



Transcontinental Gas Pipe Line Company, LLC

Section 1-6 – Act 14 Municipal Notifications

Regional Energy Access Expansion Project

April 2021
(Revised July 2021)

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*Copies of Act 14 notice letters enclosed in this transmittal do not include the Erosion and Sediment Control Plans and Post-Construction Stormwater Management Plans, in order to save paper and reduce electronic transmission size, and because the information is separately included in this application.

SECTION 1.6.1
LUZERNE COUNTY
(REGIONAL ENERGY LATERAL &
COMPRESSOR STATION 515)



MUNICIPAL NOTIFICATION OF PLANNED LAND DEVELOPMENT FOR CHAPTER 102 PERMITS

PROJECT INFORMATION (COMPLETED BY APPLICANT)

Applicant Name:	Transcontinental Gas Pipe Line Company, a subsidiary of Williams Partners, L.P.	Contact Name:	Joseph Dean Manager-Permitting
Applicant Address:	2800 Post Oak Blvd, Level 11	Contact Phone:	(713) 215-3427
Applicant City, State, ZIP:	Houston, TX 77056	County:	Luzerne

Description of Proposed Land Development and Stormwater Controls:

Municipality: **Bear Creek**

The Regional Energy Lateral component of the Regional Energy Access Expansion Project will consist of approximately 22.3 miles of 30-inch diameter pipeline, partially co-located with existing Transco Leidy Line-A, in Buck, Bear Creek, Plains, Jenkins, Kingston and Dallas Townships, and Laffin, Wyoming, and West Wyoming Boroughs, Luzerne County, Pennsylvania. The Regional Energy Lateral begins at existing Compressor Station 515 in Buck Township and continues westward to its terminus at Transco's existing Hildebrandt Tie-in in Dallas Township. Transco will be installing four mainline valves with appurtenant equipment, as a means to isolate gas flows along the Regional Energy Lateral. The mainline valve sites at each pipeline terminus (MLV515RA10 at Compressor Station 515 and MLV515RA40 at the Hildebrandt Tie-in) will also have pig traps (industry term for manifolds that launch or receive in-line inspection tools). The other two valve sites are proposed along the pipeline route (MLV515RA20 at Milepost 7.5 and MLV515RA30 at Milepost 14.8). Modifications at three existing pipeline interconnects are proposed to tie-in the proposed pipeline to the existing facilities. The Carverton Tie-In is located at Milepost 16.8. The Lower Demunds Tie-In is located at Milepost 22.3 and also includes a +/- 400-ft segment of 20-in pipeline to connect to the existing facility. The Hildebrandt Tie-In is located at the Regional Energy Lateral pipeline terminus and includes MLV515RA40. Two contractor yards are proposed for the Project and are located adjacent to the pipeline. CY-LU-001 is located at Milepost 15.3 and CY-LU-002 is located at Milepost 10.5. Cathodic protection equipment will be installed along the pipeline route. Deep anode ground beds are proposed at Mileposts 7.5 and 19.8, and one remote anode ground bed is proposed at Milepost 15.3. E&S and PCSM BMP's are proposed within Bear Creek Township, with PCSM controls designed at the MLV515RA20 valve site.

Project Area: **258.55** acres ☐ PhasedDisturbance: **101.37** acres

Tax Parcel ID(s) Affected by Proposed Land Development:

Surface Waters Receiving Stormwater Discharges:

**Bear Creek, Little Bear Creek, Little Shades Creek,
Meadow Run, Mill Creek, Shades Creek, Snider
Run**

See attached tableDischarge to: ☐ MS4 ☐ Other SS ☐ CSS

The following information was submitted to the municipality for this project:

☐ Land Development / Subdivision Plan ☒ E&S Plan ☒ PCSM Plan ☐ Other:

***On March 31, 2021 Transco submitted to you its E&S and PCSM Plans (Plans) as part of the ESCGP-3 permit application notification. The purpose of this notice is to let you know that Transco will be submitting an Erosion and Sediment Control Permit for Discharges of Stormwater Associated with Construction Activities Application to the PA Dept. of Environmental Protection to replace the ESCGP-3 application. Please refer to the previously submitted Plans.**

MUNICIPAL PLAN / ORDINANCE INFORMATION (COMPLETED BY MUNICIPALITY)

1. Is there an adopted municipal or multi-municipal comprehensive plan? ☐ Yes ☐ No
2. Is there an enacted municipal or multi-municipal zoning ordinance? ☐ Yes ☐ No
3. If Yes to #2, is the proposed project consistent with the ordinance? ☐ Yes ☐ No
4. Is there a municipal stormwater management ordinance? ☐ Yes ☐ No
5. If Yes to #4, is the proposed project consistent with the ordinance, without waiver? ☐ Yes ☐ No
6. If Yes to #4, indicate type of ordinance: ☐ Act 167 Model Ordinance ☐ DEP Model Ordinance (MS4s) ☐ Other


APPLICANT CERTIFICATION

I certify under penalty of law (see 18 Pa.C.S. § 4904 (relating to unsworn falsification)) that the information reported herein was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the information, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

MUNICIPAL ACKNOWLEDGEMENT

The municipality acknowledges that a permit application for the above-referenced project has been submitted to a reviewing agency and that notification requirements of Act 14 of 1984 and Acts 67, 68, and 127 of 2000 have been satisfied. The information reported herein by the municipality is true and accurate. The municipality reserves the right to comment to the reviewing agency relative to comprehensive plans, zoning, and stormwater ordinance consistency. Municipal acknowledgment of receipt of notification shall not be construed as project approval.

Joseph Dean

Applicant Name**Applicant Signature**

Manager - Permitting

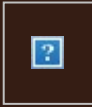
Applicant Title

07/01/2021

Date of Signature**Municipal Representative Name****Municipal Representative Signature****Municipal Representative Title****Date of Signature**

Tax Account Number/APN	Legal Desc County	Municipality
04H12 00A025000	Luzerne	Bear Creek
04H12 00A026000	Luzerne	Bear Creek
04H12 00A041000	Luzerne	Bear Creek
04H12 00A053000	Luzerne	Bear Creek
04H12 00A05F000	Luzerne	Bear Creek
04H12 00A05Y000	Luzerne	Bear Creek
04H12 00A05Y000	Luzerne	Bear Creek
04H12 00A25B000	Luzerne	Bear Creek
04-H12- 00A-53A-000	Luzerne	Bear Creek
04H12 00A55A000	Luzerne	Bear Creek
04I12 00A002000	Luzerne	Bear Creek
04I13 00A001000	Luzerne	Bear Creek
04I13 00A001000	Luzerne	Bear Creek
04J13 00A008000	Luzerne	Bear Creek
04J13 00A08A000	Luzerne	Bear Creek
04J13S2 002019000	Luzerne	Bear Creek
04J13S2 00219A000	Luzerne	Bear Creek
04J13S3 001003000	Luzerne	Bear Creek
04K13 00A20A000	Luzerne	Bear Creek

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WHM CONSULTING, INC

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Ship To:	BEAR CREEK TOWNSHIP SUPERVISORS 3333 BEAR CREEK BOULEVARD BEAR CREEK TOWNSHIP, PA 18702 US
Number of Packages:	1
UPS Service:	UPS Ground
Package Weight:	1.0 LBS
Reference Number:	WILLIAMS-20-244, TASK 2C



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March 31, 2021

UPS TRACKING (1Z8797VV0390634452)

Bear Creek Township Supervisors
3333 Bear Creek Boulevard
Bear Creek Township, PA 18702

RE: Regional Energy Access Expansion Project– Regional Energy Lateral and Compressor Station 515
Pennsylvania Acts 14, 67, 68, and 127 Notification
Bear Creek Township, Luzerne County, Pennsylvania

Dear Township Supervisors:

This municipal notice, under the requirements of Act 14, 97 P.S. § 510-5, is to inform you that Transcontinental Gas Pipe Line Company, LLC (Transco), a subsidiary of The Williams Companies, Inc. (Williams) is applying for coverage under the Erosion and Sediment Control General Permit (ESCGP-3) for Earth Disturbance Associated with Oil & Gas Exploration, Production, Processing or Treatment Operations or Transmission Facilities from the Pennsylvania Department of Environmental Protection (DEP).

1) Project Name: Regional Energy Access Expansion Project – Regional Energy Lateral and Compressor Station 515

2) Project Description: Transco, indirectly owned by The Williams Companies, Inc. (Williams), is seeking authorization from the Federal Energy Regulatory Commission (FERC or Commission) under Section 7(c) of the Natural Gas Act and Part 157 of the Commission's regulations, to construct, own, operate, and maintain the proposed Project facilities. The Project is an expansion of Transco's existing natural gas transmission system that will enable Transco to provide an incremental 829,400 dekatherms per day (Dth/d) of year-round firm transportation capacity from the Marcellus Shale production area in northeastern Pennsylvania (PA) to multiple delivery points along Transco's Leidy Line in PA, Transco's mainline at the Station 210 Zone 6 Pooling Point in Mercer County, New Jersey (NJ) and multiple delivery points in Transco's Zone 6 in NJ, PA, and Maryland (MD).

The Regional Energy Lateral component of the Project will consist of approximately 22.3 miles of 30-inch diameter pipeline, partially co-located with existing Transco Leidy Line-A, in Buck, Bear Creek, Plains, Jenkins, Kingston and Dallas Townships, and Laflin, Wyoming, and West Wyoming Boroughs, Luzerne County, Pennsylvania. The Regional Energy Lateral begins at existing Compressor Station 515 in Buck Township and continues westward to its terminus at Transco's existing Hildebrandt Tie-in in Dallas Township. Transco will be installing four mainline valves with appurtenant equipment, as a means to isolate gas flows along the Regional Energy Lateral. The mainline valve sites at each pipeline terminus (MLV515RA10 at Compressor Station 515 and MLV515RA40 at the Hildebrandt Tie-in) will also have pig traps (industry term for manifolds that launch or receive in-line inspection tools). The other two valve sites are proposed along the pipeline route (MLV515RA20 at Milepost 7.5 and MLV515RA30 at Milepost 14.8). Modifications at three existing pipeline interconnects are proposed to tie-in the proposed pipeline to the existing facilities. The Carverton Tie-In is located at Milepost 16.8. The Lower Demunds Tie-In is located at Milepost 22.3 and also includes a +/- 400-ft segment of 20-in pipeline to connect to the existing facility. The Hildebrandt Tie-In is located at the Regional Energy Lateral pipeline terminus and includes MLV515RA40. Two contractor yards are proposed for the Project and are located adjacent to the pipeline. CY-LU-001 is located at Milepost 15.3 and CY-LU-002 is located at Milepost 10.5. Cathodic protection

equipment will be installed along the pipeline route. Deep anode ground beds are proposed at Mileposts 7.5 and 19.8, and one remote anode ground bed is proposed at Milepost 15.3.

The existing Compressor Station 515 component of the Project is located at the eastern terminus of the Regional Energy Lateral in Buck Township, Luzerne County. Proposed at this facility is the addition of two gas-fired turbine driven compressor units with 63,742 nominal HP at ISO conditions and modification of three existing compressors to support the Project and to accommodate the abandonment and replacement of approximately 17,000 HP from five existing gas-fired reciprocating engine driven compressors and increase the certificated station compression by 46,742 HP. One Mainline Valve will be installed at this facility (MLV515RA10).

3) Applicant Name: Transcontinental Gas Pipe Line Company, LLC's (Transco), a subsidiary of Williams Partners L.P. (Williams)

4) Applicant Contact: Joseph Dean
Manager, Permitting
2800 Post Oak Blvd, Level 11
Houston, TX 77056
(713) 215-3427

5) Site Location: The proposed Project is located on the Kingston, Pittston, Wilks-Barre East, Pleasant View Summit, Pennsylvania, 7.5 Minute USGS quadrangle. The Project is partially co-located with an existing pipeline right-of-way. The eastern terminus of the Regional Energy Lateral is located at: 41°10'24.037" 75°40'18.141"W, and is also the location of Compressor Station 515. The western pipeline terminus: 41°20'48.869"N, 75°56'46.642"W.

6) Municipality / County: Buck, Bear Creek, Plains, Jenkins, Kingston, and Dallas Townships, Wyoming, West Wyoming, and Laflin Boroughs, Luzerne County

Act 14, which amended the Commonwealth's Administrative Code (71 P.S. § 510-5), requires every applicant for a new, amended, or revised permit to give written notice to each municipality (borough, township) and county government in which the facility is located. The municipality and county government must receive the written notice at least thirty (30) - days before DEP may issue or deny approval of coverage.

Enclosed is a complete copy of the Notice of Intent (NOI) completed for the project as well as copies of the erosion and sediment control plan and post construction stormwater management plans.

Sincerely,

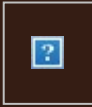


Ryan J. Nelson, PWS
WHM Consulting, LLC

Enclosures:

NOI Form
Erosion and Sediment Control Plan Drawings
Post Construction Stormwater Management Plan Drawings

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UPS Service:	UPS Ground
Package Weight:	4.0 LBS
Reference Number:	WILLIAMS 20-244, TASK 2C



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pennsylvania
DEPARTMENT OF ENVIRONMENTAL
PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF WATER PROGRAMS
OFFICE OF OIL AND GAS MANAGEMENT

OFFICIAL USE ONLY

ID # T

Date Received _____

AUTH _____

SITE _____

CLNT _____

APS _____

Fee _____

Check No. _____

Check Date _____

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT
CONTROL GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH
OIL AND GAS EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT
OPERATIONS OR TRANSMISSION FACILITIES**

**READ THE INSTRUCTIONS PROVIDED IN THIS PERMIT APPLICATION PACKAGE BEFORE COMPLETING
THIS FORM. PLEASE PRINT OR TYPE INFORMATION IN BLACK OR BLUE INK.**

SECTION A. APPLICATION TYPE

Check one:

NEW ☒ RENEWAL ☐ MAJOR MODIFICATIONS (Provide ESCGP number) ☐PHASED ☐ (check only if applicable; *note: Most projects are not submitted as phased projects*)Check one: EXPEDITED ☐ STANDARD ☒

If an Expedited Review Process being requested, be advised that the Expedited Review is not available for all projects. Refer to Section D - Expedited Review Process of the ESCGP-3 NOI Instructions to determine if the project is eligible.

SECTION B. CLIENT INFORMATION

Applicant's Last Name (If applicable)	First Name	MI	Telephone No.
Organization Name or Registered Fictitious Name Transcontinental Gas Pipe Line Company, LLC (Contact: Joseph Dean)			Telephone No. (713) 215-3427
DEP Client ID No.			
Headquarters Mailing Address 2800 Post Oak Blvd, Level 11	City Houston	State TX	ZIP Code 77056
Email Address Joseph.Dean@williams.com			
Co-Applicant's Last Name (If applicable)	First Name	MI	Telephone No.
Organization Name or Registered Fictitious Name			Telephone No.

Address	City	State	ZIP Code
Email Address			

SECTION C. SITE INFORMATION					
Is there an existing ESCGP associated with this site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, Permit No. _____					
Has a well permit application been submitted for this site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, Permit No. _____					
Does this site have a 911 address? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, <u>provide site location address.</u>					
Site Name Regional Energy Access Expansion Project					
Site Location See Attachment 1-1.1- NOI Supporting Information			Site No. (if another permit has been issued for the site)		
Site Location – City See Attachment 1-1.1- NOI Supporting Information				State PA	ZIP Code
Detailed Written Directions to Site See Attachment 1-1.1- NOI Supporting Information for locations of all project sites					
Primary Location	County Luzerne, Northampton, Bucks, Chester, and Monroe	Municipality Buck, Bear Creek, Plains, Jenkins, Kingston, Lower Mt. Bethel, Ross, Chestnut Hill, Tunkhannock, Lower Makefield, East Whiteland and Dallas Townships Wyoming, West Wyoming, and Laflin Boroughs	City <input type="checkbox"/>	Boro <input checked="" type="checkbox"/>	Twp. <input checked="" type="checkbox"/>
SECTION D. EXPEDITED REVIEW					
I. Expedited Review Eligibility					
1. Is any part of the project in the watershed of a surface water with an existing or designated use of exceptional value or high quality pursuant to Chapter 93 (relating to water quality standards), in an exceptional value wetland in accordance with 25 Pa. Code § 105.17, or in the watershed of an impaired surface water where the cause of the impairment is identified as siltation?			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
2. Will the project in which the well pad will be constructed be in or on a floodplain?			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
3. Is any earth disturbance located or proposed to be located on land known to be contaminated by the release of regulated substances as defined in Section 103 of Act 2, 35 P.S. § 6026.103?			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
4. Will naturally occurring geologic formations or soil conditions provide hazards to the project or surrounding environment or have the potential to cause or contribute to pollution when disturbed?			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
5. Do any unresolved non-compliance issues exist with the applicant or the facility?			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
6. Is the project a transmission project?			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

<p>If yes to any of the above questions the project is not eligible for Expedited Review; If the project is eligible for Expedited Review, all the following items must be completed.</p>	
<p>II. Expedited Review Process</p>	
1. Is the technically and administratively complete and accurate NOI package prepared and certified by a licensed professional?	<input type="checkbox"/> Yes <input type="checkbox"/> No
2. Are E&S and PCSM/Site Restoration Plan drawings and narrative prepared and sealed by a licensed professional? <i>(Include interim restoration details when needed)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No
3. Include a Resource Delineation Report and answer the following questions: (If the answer to question a. is "Yes" then skip to #4. If the answer to a. is "No" the applicant must answer "Yes" to at least one of the questions, b. through d. to be eligible for expedited review.)	
a. Were all wetland resources delineated during the growing season?	<input type="checkbox"/> Yes <input type="checkbox"/> No
b. If not during the growing season, was a follow-up visit conducted during the growing season to verify/adjust boundaries and look for potentially missed resources?	<input type="checkbox"/> Yes <input type="checkbox"/> No
c. Was a quality assurance field review conducted at a later date by an independent qualified wetland professional to verify boundaries and look for potentially missed resources? (If yes, attach Quality Assurance Field Review Report)	<input type="checkbox"/> Yes <input type="checkbox"/> No
d. Was a Jurisdictional Determination (JD) or Preliminary JD conducted by the US Army Corps of Engineers on the whole project? (If yes, attach Preliminary or Jurisdictional Determination Report)	<input type="checkbox"/> Yes <input type="checkbox"/> No
4. If applicable, have you included PNDI clearance letters or other documentation from applicable resource agencies?	<input type="checkbox"/> Yes <input type="checkbox"/> No
5. If the project site contains, is along, or within 100 feet of a river, stream, creek, lake, pond or reservoir, will you establish new or preserve existing riparian forest buffer at least 100 feet in width between the top of streambank or normal pool elevation of a lake, pond or reservoir and areas of earth disturbances. If no, will a waiver be obtained? <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
6. Name of Licensed Professional	
Company	
Address	
Phone	

SECTION E. PROJECT INFORMATION																	
1. Total Project Area/Project Site (Ac):	1,346 (Also see Attachment 1-1.1)	Total Disturbed Area (Ac):	689.8 (Also see Attachment 1-1.1)														
Increased disturbed acreage <i>(for permit modification only)</i>																	
Fee: <i>(For additional information regarding fees, refer to NOI Instructions #3 Permit NOI Filing Fees.)</i>			\$ \$500 (Filing Fee), \$69,000 (Disturbed Acre Fee)														
2. Project Name: Regional Energy Access Expansion Project																	
3. Project Type (Check all that apply) <table border="0" style="width: 100%;"> <tr> <td><input type="checkbox"/> Oil/Gas Well ¹</td> <td><input checked="" type="checkbox"/> Transmission Facility</td> </tr> <tr> <td><input type="checkbox"/> Gathering Facility</td> <td><input type="checkbox"/> Processing Facility</td> </tr> <tr> <td><input type="checkbox"/> Treatment Facility</td> <td><input type="checkbox"/> Well Development Impoundment</td> </tr> <tr> <td><input checked="" type="checkbox"/> Compressor Station</td> <td><input type="checkbox"/> Non-FERC regulated Transmission Facility</td> </tr> <tr> <td><input checked="" type="checkbox"/> Pipeline</td> <td><input type="checkbox"/> Ground/Surface Water Withdrawal Site</td> </tr> <tr> <td><input type="checkbox"/> Storage Field Facility</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Other</td> <td></td> </tr> </table>				<input type="checkbox"/> Oil/Gas Well ¹	<input checked="" type="checkbox"/> Transmission Facility	<input type="checkbox"/> Gathering Facility	<input type="checkbox"/> Processing Facility	<input type="checkbox"/> Treatment Facility	<input type="checkbox"/> Well Development Impoundment	<input checked="" type="checkbox"/> Compressor Station	<input type="checkbox"/> Non-FERC regulated Transmission Facility	<input checked="" type="checkbox"/> Pipeline	<input type="checkbox"/> Ground/Surface Water Withdrawal Site	<input type="checkbox"/> Storage Field Facility		<input type="checkbox"/> Other	
<input type="checkbox"/> Oil/Gas Well ¹	<input checked="" type="checkbox"/> Transmission Facility																
<input type="checkbox"/> Gathering Facility	<input type="checkbox"/> Processing Facility																
<input type="checkbox"/> Treatment Facility	<input type="checkbox"/> Well Development Impoundment																
<input checked="" type="checkbox"/> Compressor Station	<input type="checkbox"/> Non-FERC regulated Transmission Facility																
<input checked="" type="checkbox"/> Pipeline	<input type="checkbox"/> Ground/Surface Water Withdrawal Site																
<input type="checkbox"/> Storage Field Facility																	
<input type="checkbox"/> Other																	
¹ If Oil/Gas Well; is the well conventional or unconventional? <input type="checkbox"/> Conventional <input type="checkbox"/> Unconventional																	

Project Description

Transco, indirectly owned by The Williams Companies, Inc. (Williams), is seeking authorization from the Federal Energy Regulatory Commission (FERC or Commission) under Section 7(c) of the Natural Gas Act and Part 157 of the Commission's regulations, to construct, own, operate, and maintain the proposed Project facilities

The Project is an expansion of Transco's existing natural gas transmission system that will enable Transco to provide an incremental 829,400 dekatherms per day (Dth/d) of year-round firm transportation capacity from the Marcellus Shale production area in northeastern Pennsylvania (PA) to multiple delivery points along Transco's Leidy Line in PA, Transco's mainline at the Station 210 Zone 6 Pooling Point in Mercer County, New Jersey (NJ) and multiple delivery points in Transco's Zone 6 in NJ, PA, and Maryland (MD). The Project will consist of the following components:

- Approximately 22.3 miles of 30-inch-diameter pipeline partially collocated with Transco's Leidy Line A from milepost (MP) 0.00 to MP 22.32 in Luzerne County, PA (Regional Energy Lateral);
 - Approximately 13.8 miles of 42-inch-diameter pipeline collocated with Transco's Leidy Line System from MP 43.72 to MP 57.50 in Monroe County, PA (Effort Loop);
 - New gas-fired turbine driven compressor station identified as Compressor Station 201 with 11,107 nominal horsepower (HP) at International Organization of Standardization (ISO) conditions in Gloucester County, NJ;
 - Addition of two gas-fired turbine driven compressor units with 31,800 nominal HP at ISO conditions at existing Compressor Station 505 in Somerset County, NJ, to accommodate the abandonment and replacement of approximately 16,000 HP from eight existing internal combustion engine-driven compressor units and increase the certificated station compression by 15,800 HP;
 - Addition of two gas-fired turbine driven compressor units with 63,742 nominal HP at ISO conditions and modification of three existing compressors at existing Compressor Station 515 in Luzerne County, PA to support the Project and to accommodate the abandonment and replacement of approximately 17,000 HP from five existing gas-fired reciprocating engine driven compressors and increase the certificated station compression by 46,742 HP;
 - Uprate and rewheel two existing electric motor-driven compressor units at existing Compressor Station 195 in York County, PA to increase the certificated station compression by 5,000 HP and accommodate the abandonment of two existing gas-fired reciprocating engine driven compressors which total approximately 8,000 HP of compression;
 - Modifications at existing Compressor Station 200 in Chester County, PA;
 - Uprate one existing electric motor-driven compressor unit at Compressor Station 207 in Middlesex County, NJ to increase the certificated station compression by 4,100 HP;
 - Modifications to three (3) existing pipeline tie-ins in PA (Hildebrandt Tie-in, Lower Demunds REL Tie-in, and Carverton Tie-in);
 - Addition of regulation controls at an existing valve setting on Transco's Mainline "A" in Bucks County, PA (Mainline A Regulator);
 - Modifications at the existing Delaware River Regulator in Northampton County, PA;
 - Modifications at the existing Centerville Regulator in Somerset County, NJ;
 - Modifications to the existing valves and piping at the Princeton Junction (Station 210 Pooling Point) in Mercer County, NJ;
 - Modifications to three (3) existing delivery meter stations in NJ (Camden M&R Station, Lawnside M&R Station, and Mt. Laurel M&R Station);
 - Modifications to one (1) existing delivery meter station in MD (Beaver Dam M&R Station);
 - Contractual changes (no modifications) at ten (10) existing delivery meter stations in PA and NJ (Algonquin-Centerville Meter Station, Post Road Meter Station, New Village Meter Station, Spruce Run Meter Station, Marcus Hook Meter Station, Ivyland Meter Station, Repaupo Meter Station, Morgan Meter Station, Lower Mud Run Meter Station, and Chesterfield Meter Station);
 - Additional ancillary facilities, such as mainline valves (MLVs), cathodic protection, communication facilities, and internal inspection device (e.g., pig) launchers and receivers in PA; and
 - Existing, improved, and new access roads and contractor yards/staging areas in PA, NJ, and MD.
- Provide the date of pre-application meeting (if conducted with the Department) 04/27/20, 07/09/20, 09/04/20, 09/30/20, 12/15/20, 12/16/20, 01/06/21, 02/05/21

4. Provide the latitude and longitude coordinates for the center of the project. The coordinates should be in Decimal degrees and North American Datum 1983. The coordinates must meet the current DEP policy regarding locational accuracy. For linear projects provide the project's termini. See Attachment 1-1.1

Latitude (DD) . Latitude (DD) . Horizontal Collection Method: <input type="checkbox"/> GPS <input checked="" type="checkbox"/> Interpolated from U.S.G.S. Topographic Map <input type="checkbox"/> DEP's eMAP	Longitude (DD) - . Longitude (DD) - .				
5. U.S.G.S. 7.5 min. topographic quadrangle Name (See Attachment 1-1.1) <i>(Include a copy of the project area on the 7.5 min quad map)</i>					
6. Will the project be conducted as a phased permit project? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Include Master Site Plan Estimated Timetable for Phased Projects. <input type="checkbox"/> Additional sheet(s) attached.					
Phase No. or Name	Description	Total Area	Disturbed Area	Start Date	End Date
7. List existing and previous land use for a minimum of the previous 5 years. (See Section 2 of this ESCGP-3 Application)					
8. Other Pollutants: Will the stormwater discharge contain pollutional substances other than sediment? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
9. Will fuels, chemicals, solvents, other hazardous waste or materials be used or stored on site during earth disturbance activities or will Horizontal Directional Drilling (HDD) activities be conducted? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If yes, Preparedness, Prevention and Contingency (PPC) Plan must be maintained on site during earth disturbance. See NOI Instructions, E.9 PPC Plan Guidance for further information.)</i>					
10. Is the project in the watershed of an impaired surface water where the cause of the impairment is identified as siltation? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (See Section 2-5 of this ESCGP-3 Application) <i>(If yes, show how the project will not result in a net change in volume, rate or water quality. See section I below, and E.10 of NOI instructions.)</i>					
11. Are there potentially hazardous naturally occurring geological or soil conditions in any portion of the project or surrounding area? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, do the potentially hazardous geologic or soil conditions have the potential to cause or contribute to pollution as a result of the proposed earth disturbance activities? If no, provide an explanation. If yes, Geologic Hazard Mitigation Plan must be attached and explain where in this application details are provided.					
12. Has the Act 14 Municipal Notification and proof of receipt of notification been attached to the NOI? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If not, the NOI is not complete, see E.12 and #4 Municipal Notification in the NOI Instructions for additional guidance.)</i>					
13. Has the PNDI receipt been attached to the NOI? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If not, the NOI is not complete, see E.13 and #5 PNHP in the NOI Instructions for additional guidance.)</i>					
14. Have the E&S Plan and PCSM/SR Plan been planned and designed to be consistent? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
15. Have existing and/or proposed Riparian Forest Buffers been identified? Yes <input checked="" type="checkbox"/> N/A <input type="checkbox"/> <i>(If yes, they must be shown on the E&S Plan as well as the PCSM/SR Plans.)</i>					
16. Have antidegradation implementation requirements for special protection waters been addressed? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> <i>(If yes, antidegradation requirements must be included in the plan.)</i>					

17. Has the seasonal high groundwater level been identified and 20-inch separation established at all excavation locations for pits for conventional operations and Well Development Impoundments for unconventional operations?

Yes ☐ No ☐ N/A ☒

	Chapter 93, Designated Use Stream Classification	Chapter 93, Existing Use Stream Classification
18. Receiving Waters	<input checked="" type="checkbox"/> HQ <input checked="" type="checkbox"/> EV <input checked="" type="checkbox"/> Other <u>CWF, MF, WWF</u>	<input type="checkbox"/> HQ <input checked="" type="checkbox"/> EV <input checked="" type="checkbox"/> Other <u>MF</u>
<u>Effort Loop-</u>	<input checked="" type="checkbox"/> Siltation-impaired	<input type="checkbox"/> Siltation-impaired
<u>Lake Creek (HQ-CWF,MF)</u>		
<u>Princess Run (CWF,MF)</u>		
<u>Weir Creek (CWF,MF)</u>		
<u>McMichael Creek (EV, MF) and (HQ-CWF)</u>		
<u>Pohopoco Creek (CWF,MF)</u>		
<u>Sugar Hollow Creek (CWF,MF)</u>		
<u>Poplar Creek (EV,CWF,MF)</u>		
<u>Mud Run (HQ-CWF, MF)</u>		
<u>Mud Pond Run (HQ-CWF,EV,MF)</u>		
<u>Tunkhannock Creek (HQ-CWF,MF)</u>		
<u>Regional Energy Lateral-</u>		
<u>Stony Run (HQ-CWF,MF)</u>		
<u>Shades Creek (HQ-CWF,MF)</u>		
<u>Little Shades Creek (HQ-CWF,MF)</u>		
<u>Snider Run (HQ-CWF,MF)</u>		
<u>Meadow Run (HQ-CWF,MF)</u>		
<u>Bear Creek (HQ-CWF,MF)</u>		
<u>Little Bear Creek (HQ-CWF,MF)</u>		
<u>Mill Creek (CWF,MF)</u>		
<u>Gardner Creek (CWF,MF)</u>		
<u>Susquehanna River (WWF,MF)</u>		
<u>Abrahams Creek (CWF,MF)</u>		
<u>Toby Creek (CWF,MF)</u>		
<u>Trout Brook (CWF,MF)</u>		
<u>Compressor Station 515-Shades Creek (HQ-CWF,MF)</u>		
<u>Stony Run (HQ-CWF,MF)</u>		
<u>Compressor Station 200-Valley Creek (EV,MF)</u>		
<u>Delaware River Regulator-Mud Run (CWF, MF)</u>		
<u>Mainline "A" Regulator - Dyers Creek (WWF,MF)</u>		
<u>See Attachment 1-1.1 for detailed list.</u>		
	<input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired	<input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired

	<input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired <input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired	<input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired <input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired
Secondary Receiving Water	Secondary Chapter 93, Designated Use	Secondary Existing Use
Name of Municipal or Private Separate Storm Sewer Operator, if applicable.		
Non-Surface Receiving Water: (include off-site discharges)		

SECTION F. EROSION AND SEDIMENT CONTROL (E&S) PLAN
See the attached Instructions for additional guidance with E&S Plans

Erosion and Sediment Control Plan BMPs should be designed to minimize accelerated erosion and sedimentation through limiting the extent and duration of earth disturbance, protection of existing drainage and vegetation, limiting soil compaction and controlling the generation of increased runoff. The Department recommends the use of the *Pennsylvania Erosion & Sedimentation Pollution Control Program Manual (E&S Manual)* (363-2134-008) to achieve this goal. The E&S Plan must meet the requirements of Pa. Code § 102.4(b) and submitted with the NOI. Also, see section 2. of the NOI instruction for detailed information on completing the E&S plan and additional requirements.

a. E&S Plan Summary

Provide a summary of proposed E&S BMPs and their performance to manage E&S for the project.

Typical BMPs provided along the pipeline Right-Of-Way includes waterbars, trench plugs, compost filter socks, compost sediment traps, rock filter outlets, erosion control blankets, rock construction entrances, temporary equipment bridges, timber mats, diversion channels, level spreaders, mulch and seed. An appropriate sediment removal device (filter bag, dewatering structure) and well-vegetated area will be utilized for trench dewatering. In HQ, EV watersheds, appropriate Antidegradation Best Available Combination of Technologies (ABACT) BMPs will be utilized. Additional information regarding all the proposed BMPs are provided in the Erosion and Sedimentation Control and Site Restoration Plans of respective project components (Section 2 of this ESCGP-3 Application).

b. E&S Plan BMP Design

Check those that apply:

- ☒ E&S Plan is designed using BMPs in the *E&S Manual*.
- ☐ E&S Plan is designed using an alternative BMP or design standard approved by DEP.

Note: NOI packages submitted with alternate BMPs not approved by the Department will be returned to the Applicant.

c. Do you have any information regarding riparian buffer which differs from Section G, Riparian Buffer?

Yes ☐ No ☒

Explain:

d. Thermal Impacts Analysis

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

Thermal impacts associated with Regional Energy Access Expansion Project will be avoided to the maximum extent possible. Minimum permanent changes in land cover are being proposed for constructing the pipeline facilities. Runoff from impervious areas added during the project will be suitably routed to Stormwater BMPs. Gravel will be used for access roads wherever practicable. To avoid thermal impacts arising from clearing and grading, removal of vegetation will be limited to only that necessary for construction and construction Right-Of-Way will be limited to 75 feet in wetlands and floodways where practical. Once construction activities are complete, disturbed areas will be restored to pre-construction contours and seeded as described in Erosion and Sediment Control and Site Restoration Plans. Temporary workspaces will be restored back with woody and herbaceous species. Thermal impacts assessments corresponding to each project component including pipelines and aboveground facilities are given in Section 2 and 3 of this ESCGP-3 Application.

e. Off-Site Discharge Analysis

Does the activity propose any off-site discharges to areas other than surface waters? ☒ Yes ☐ No

If yes, it is the applicant's responsibility to ensure that they have legal authority for any off-site discharge to neighboring properties.

The applicant must provide a demonstration in both E&S and PCSM/SR plans that the discharge will not cause erosion, damage, or a nuisance to off-site properties.

See Offsite Discharge Analysis Sections in E&S Narratives

SECTION G. RIPARIAN BUFFER

1. Will you be protecting, converting or establishing a voluntary riparian forest buffer as part of this project?
☐ Yes ☒ No
If yes, as part of the PCSM/SR Plan, provide a Buffer Management Plan.
2. Will proposed earth disturbance activities be conducted in an EV or HQ watershed AND within 150 feet of a perennial or intermittent river, stream, or creek, or lake, pond, or reservoir? ☒ Yes ☐ No
If no, proceed to the next section/module.
3. Does this project qualify for an exception (see § 102.14(d)(1))? ☒ Yes ☐ No
If yes, indicate below the type of project for which the exception applies by marking the appropriate box.
☐ Oil and gas activities for which site reclamation or restoration is part of the permit authorization in Chapter 78 and 78a.
☒ Road maintenance activities.
☐ The repair or maintenance of existing pipelines and utilities.
☐ Other (see §102.14(d)(1))
If exceptions are checked, explain how existing riparian buffer will be undisturbed to the extent practicable. Provide a demonstration that the requirements of §102.14(b) are met, or provide the necessary information to request a riparian buffer waiver.
4. Are you requesting a riparian buffer waiver for this project (see § 102.14(d)(2))? ☒ Yes ☐ No
If yes, indicate below the type of project for which you are requesting a waiver by marking the appropriate box.
☒ Linear project that may include pipelines, public roadways, rail lines, or utility lines.
☒ Project is of a temporary nature where the site will be fully restored to its preexisting conditions during the ESCGP permit term.
☒ Project where compliance with mandatory riparian buffers is not appropriate or feasible due to site characteristics or existing structures at the project site.
☐ Other (see §102.14(d)(2)):
If waivers are checked, explain how existing riparian buffers will be undisturbed to the extent practicable.
Note: If "Yes" to #2 **AND** "No" to #3 and #4, provide an attachment to demonstrate how the requirements of §102.14 are met.

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PCSM) AND/OR SITE RESTORATION(SR) PLAN

See NOI Instructions for additional guidance with PCSM Plans

PCSM/SR BMPs should be designed to use natural measures to eliminate pollution, infiltrate runoff, not require extensive construction/maintenance, promote pollutant reduction, and preserve the integrity of stream channels. All PCSM/SR BMPs proposed in the PCSM/SR Plan must be designed in accordance with Ch. 102, Ch. 78a for unconventional operations, Ch. 78 for conventional operations and the *Pennsylvania Stormwater Best Management Practices Manual (Stormwater BMP Manual)* (363-0300-002). If alternate design criteria are utilized for the proposed project, they must have prior approval by the Department, or the NOI Application will be returned to the Applicant.

After construction is completed, how much of the entire disturbed area will be restored to meadow in good condition or better, or existing conditions? ☐ All ☒ Partial ☐ None

Include PCSM narrative and drawings for remaining impervious area. Also include a map showing the proposed contours of the site restoration plan.

If there are additional stages of the project prior to permit termination or expiration, list the stages and provide the documents required by subsection 'a' to section 'g' for each stage (e.g. partial restoration or changes to the amount of compacted areas, gravel, and/or impervious areas). Upload a narrative for each additional stage in addition to the drawings.

EXAMPLE

Stage No	Stage Name	PCSM Plan	SR Plan
Stage 1		<input type="checkbox"/>	<input type="checkbox"/>
Stage 2		<input type="checkbox"/>	<input type="checkbox"/>
Stage 3		<input type="checkbox"/>	<input type="checkbox"/>
Stage 4		<input type="checkbox"/>	<input type="checkbox"/>

Act 167 Consistency. Check those that apply.

Is there an Act 167 Plan? ☒ Yes ☐ No

☒ The attached PCSM/SR Plan is consistent with an applicable approved Act 167 Plan.

Complete the following for all approved Act 167 Stormwater Management Plans. (Use additional sheets if necessary)

Act 167 Plan Name _____ Date Adopted _____ Consistency Letter Included ☐

Luzerne County Stormwater August 18, 2010 Verification Report Included ☒

Management Ordinance

Valley Creek Watershed Stormwater February 04, 2011

Management Plan

Note: A consistency letter is not required if a verification report is provided. See NOI Instructions. The PCSM/SR Plan must satisfy either sub paragraph 1, 2, or 3 below. Check those that apply.

1. ☒ Act 167 Plan approvals on or after January 2005 – The attached PCSM/SR Plan, in its entirety, is consistent with all requirements pertaining to rate, volume, and water quality from an Act 167 Stormwater Management Plan approved by DEP on or after January 2005. Box 1 must be checked if a current, DEP approved Act 167 plan exists.
2. ☒ The PCSM/SR Plan meets the standard design criteria from sections 102.8(g)(2) and (3) and the *Stormwater BMP Manual*. For projects involving oil and gas activities authorized by a permit issued under Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure, post construction stormwater management requirements are met for all areas that are restored to preconstruction conditions or to a condition of meadow in good condition or better. *[Note: PCSM plans must meet both the volume and rate requirements in the regulations, which are provided in the 2 sections mentioned in this paragraph].*
3. ☐ Alternative Design Standard – The attached PCSM/SR Plan was developed using approaches as provided in 102.8(g)(2)(iv) and 102.8(g)(3)(iii). Demonstrate/explain in the space provided below how this standard will be either more protective than what is required in 102.8(g)(2) and 102.8(g)(3) or will maintain and protect existing water quality and existing and designated uses.

PCSM/SR BMP Alternative Standards:

Has the alternative BMP or design standard been approved by the Department?

☐ Yes

☐ No – Do not submit the ESCGP-3 application and see Section (H) of the NOI Instructions concerning the alternative BMP approval process.

Water Quality Compliance:

Does the PCSM/SR plan comply with requirements for volume control? ☒ Yes ☐ No

If yes, is at least 90% of the disturbed area controlled by a PCSM BMP? ☒ Yes ☐ No

If yes, do you have the Standard PCSM Worksheet # 10 attached to show water quality compliance has achieved?

☒ Yes ☐ No

If no, attach Standard PCSM Worksheets # 12 and #13 to show water quality compliance has achieved.

If PCSM/SR plan is not complying with the requirements for volume control, attach Standard PCSM Worksheets # 11, # 12 and #13 to show water quality compliance has achieved.

a. PCSM/SR Plan Summary

Provide a summary of proposed BMPs and their performance to manage PCSM/SR for the project.

Along the pipeline Right-Of-Way, typical E&S BMPs such as waterbars and erosion control blanket will be left in place as part of site restoration. After construction activities are completed, temporary workspaces will be restored to meadow in good condition or better than existing conditions. For the aboveground facilities, PCSM BMPs such as infiltration basins, diversion channels and vegetated swales will be used and left in place as part of site restoration. Additional information regarding all the proposed BMPs are provided in the Post-Construction Stormwater Management Plans of respective project components (Section 3 of this ESCGP-3 Application).

Check all that apply ☒ PCSM BMPs ☒ SR BMPs

b. Do you have any information regarding riparian buffer which differs from what was submitted in the Section G, Riparian Buffer?

☐ Yes ☒ No

Explain:

c. Thermal Impacts Analysis

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

Runoff collected in PCSM BMPs such as infiltration basins will mitigate thermal impacts from post construction stormwater. Runoff collected in infiltration basins are discharged to receiving waters are not expected to be retained for more than 24 hours. Minimum permanent changes in land cover are being proposed for constructing the pipeline facilities. Gravel will be used for access roads wherever practicable. Removal of trees and riparian vegetation and addition of impervious surfaces will be limited to only that necessary for construction. Once construction activities are complete, disturbed areas will be restored to pre-construction contours and seeded as described in Erosion and Sedimental Control and Site Restoration Plans. Temporary workspaces will be restored back with woody and herbaceous species. Thermal impacts assessments corresponding to each project component including pipelines and aboveground facilities are given in Section 2 and 3 of this ESCGP-3 Application.

d. Off-Site Discharge Analysis.

Does the activity propose any off-site discharges to areas other than surface waters? ☒ Yes ☐ No

If yes, it is the applicant's responsibility to ensure that they have legal authority for any off-site discharge to neighboring properties.

The Applicant must provide a demonstration in both the E&S and PCSM/SR Plans that the discharge will not cause erosion, damage, or a nuisance to off-site properties.

See Offsite Discharge Analysis Sections in PCSM Narratives

NOI Section H. POST CONSTRUCTION STORMWATER MANAGEMENT (PCSM) PLANS

Summary Calculations of Post Construction Stormwater BMPs

1. Regional Energy Lateral Pipeline - MLV-515RA20
2. Regional Energy Lateral Pipeline - MLV-515RA30
3. Regional Energy Lateral Pipeline - Carverton Tie-in
4. Regional Energy Lateral Pipeline - Lower Demunds REL Tie-in
5. Regional Energy Lateral Pipeline – Hildebrandt Tie-in/MLV-515RA40
6. Effort Loop Pipeline - MLV-505LD86
7. Compressor Station 200
8. Compressor Station 515

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - MLV-515RA20 - Zenker Valve Yard

e. Summary Table for Supporting Calculation and Measurement Data
(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Mill Creek			
Volume Control design storm frequency 2-year Rainfall amount 2.95 inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.19	+0.19
Volume of stormwater runoff (acre- feet) without planned stormwater BMPs	0.04	0.06	+0.02
Volume of stormwater runoff (acre- feet) with planned stormwater BMPs		0.03	-0.01
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	3.51	3.22	-0.29
2) 10-Year/24-Hour	6.82	6.17	-0.65
3) 50-year/24-Hour	11.88	11.12	-0.76
4) 100-year/24-Hour	14.91	14.91	-0.00

f. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Vegetated Swale	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input checked="" type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ <u>1,396cf(2-yr);</u> <u>6,186cf(100-yr)</u>	_____ _____ <u>0.28</u>
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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g. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Dry Extended Detention Basin area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Channels to ensure they have been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Dry Extended Detention Basin to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Dry Extended Detention Basin the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. At completion of Collection Channel C1 to ensure it has been constructed to the proposed line and grade, the specified lining material has been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
6. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to Collection Channel C1.
7. For final inspection of constructed BMPs.
8. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL GENERAL PERMIT (ESGCP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR TRANSMISSION FACILITIES

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - MLV-515RA30 - Wyoming Valve Yard

b. Summary Table for Supporting Calculation and Measurement Data (See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Susquehanna-Solomon Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>2.57</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.24	+0.24
Volume of stormwater runoff (acre- feet) without planned stormwater BMPs	0.03	0.06	+0.03
Volume of stormwater runoff (acre- feet) with planned stormwater BMPs		0.03	-0.00
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.22	0.02	-0.20
2) 10-Year/24-Hour	0.68	0.03	-0.65
3) 50-year/24-Hour	1.52	0.06	-1.46
4) 100-year/24-Hour	2.06	0.07	-1.99

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Soil Amendment	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>451cf(2-yr);</u> <u>2,511cf(100-yr)</u> _____ _____ _____ _____	_____ <u>0.21</u> _____ _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input checked="" type="checkbox"/> Other <u>Vegetated Swale</u>	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	 <u>1,009cf(2-yr):</u> <u>4,264cf(100-yr)</u>	 <u>0.49</u>
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Vegetated Swale area has been flagged and fence erected to prevent access to the area.
2. At the beginning of construction of the Vegetated Swale to ensure the infiltration area has not been compacted by construction activities.
3. During construction of the Vegetated Swale the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
4. At completion of Collection Channel C1 to ensure it has been constructed to the proposed line and grade, the specified lining material has been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the infiltration berm.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - Carverton Tie-In

<p align="center">b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i></p> <p>The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Abrahams Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>2.61</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.03	0.11	+0.08
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.02	0.03	+0.01
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.00	-0.02
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.46	0.00	-0.46
2) 10-Year/24-Hour	0.91	0.00	-0.91
3) 50-year/24-Hour	1.61	0.00	-1.61
4) 100-year/24-Hour	2.01	0.00	-2.01

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>1,280cf (2-yr);</u> <u>4,445cf(100-yr)</u>	_____ _____ _____ _____ <u>0.26</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. At the beginning of construction to ascertain the Infiltration Berm area has been flagged and fence erected to prevent access to the area.
2. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the infiltration berm.
3. At the beginning of construction of the Infiltration Berm to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the infiltration berm the licensed professional will observe that the berm is constructed in accordance with the plans and specifications.
5. For final inspection of constructed BMPs.
6. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - Lower Demunds REL Tie-In

<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i></p> <p>The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Toby Creek			
Volume Control design storm frequency 2-year Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.12	+0.12
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.02	0.04	+0.02
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.01	-0.01
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.20	0.00	-0.20
2) 10-Year/24-Hour	0.40	0.00	-0.40
3) 50-year/24-Hour	0.71	0.20	-0.51
4) 100-year/24-Hour	0.89	0.51	-0.38

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>1,481cf(2-yr);</u> <u>4,356cf(100-yr)</u> _____ _____ _____	_____ <u>0.17</u> _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Valve Yard Pad area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Berm/Channel to ensure it has been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Valve Yard Pad to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Valve Yard Pad the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the outlet structure.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline – MLV-515RA40-Hildebrandt Tie-In

b. Summary Table for Supporting Calculation and Measurement Data

(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Toby Creek

Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.0	0.22	+0.22
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.03	0.07	+0.04
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.01	-0.02
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.34	0.20	-0.14
2) 10-Year/24-Hour	0.67	0.38	-0.29
3) 50-year/24-Hour	1.20	0.65	-0.55
4) 100-year/24-Hour	1.52	0.80	-0.72

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Vegetated Swale	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>2,265cf(2-yr);</u> <u>5,881cf(100-yr)</u>	_____ <u>0.21</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____

<input type="checkbox"/> Roadside Vegetated Filter Strips		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Stormwater Energy Dissipaters	Infiltration/Recharge			
<input type="checkbox"/> Level Spreaders		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Riprap Aprons		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Upslope Diversions		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Other _____		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____

d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Valve Yard Pad area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Channel to ensure it has been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Valve Yard Pad to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Valve Yard Pad the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the outlet structure.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Effort Loop Pipeline-MLV-505LD86 Sugar Hollow Valve Yard

<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i> The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Pohopoco Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.26</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.09	0.62	+0.53
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.35	0.44	+0.09
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.28	-0.07
Stormwater discharge rate for the design frequency storm DA-1	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.01	0.01	-0.00
2) 10-Year/24-Hour	0.37	0.31	-0.06
3) 50-year/24-Hour	5.89	4.21	-1.68
4) 100-year/24-Hour	11.47	8.28	-3.19
Stormwater discharge rate for the design frequency storm DA-2	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	4.51	3.97	-0.54
2) 10-Year/24-Hour	12.49	12.28	-0.21
3) 50-year/24-Hour	26.58	24.35	-2.23
4) 100-year/24-Hour	35.41	31.74	-3.67

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input checked="" type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ <u>1,123cf(2-yr);</u> <u>21,318cf(100-yr)</u> _____ <u>5,915cf(2-yr);</u> <u>26,924cf(100-yr)</u>	_____ _____ <u>2.85</u> _____ <u>1.54</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. For the final grading of the access road, ensuring it is constructed according to the plan details for proper conveyance of runoff.
2. Following final grading and seeding of the diversion channels and basin, in order to confirm they have been constructed according to the plan details for proper collection and conveyance of runoff. Periodic assessments will need to be made to ensure accumulated sediment have been cleaned out so the channels and basin maintain the necessary design volumes.
3. During the layout and excavation of the outlet control structure, the professional or delegate will ensure sizing, materials specifications, and construction procedures are followed to enable proper storage in the basin.
4. Following final grading and seeding of the infiltration berm in order to confirm they have been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessment will need to be made to ensure that accumulated sediment have been cleaned out so the area behind the berm maintains the necessary design volume.
5. For final inspection of constructed channels, basin and berms.
6. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Compressor Station 200

b. Summary Table for Supporting Calculation and Measurement Data

(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Valley Creek

Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.30</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.25	0.40	+0.15
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.07	0.11	+0.04
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.07	-0.00
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	1.03	0.15	-0.88
2) 10-Year/24-Hour	2.06	1.39	-0.67
3) 50-year/24-Hour	3.19	2.79	-0.40
4) 100-year/24-Hour	3.97	3.50	-0.47

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>3,790cf(2-yr);</u> <u>11,631cf(100-yr)</u>	_____ _____ _____ _____ <u>0.56</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

- Following final grading and seeding of the infiltration berm in order to confirm it has been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessments will need to be made to ensure that accumulated sediment should be cleaned out so the channels and berm maintain necessary design volume.
- For final inspection of constructed BMPs.
- At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E & S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESGCP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

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<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i></p> <p>The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Bear Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.34	2.44	+2.10
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.50	0.81	+0.31
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.18	-0.32
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	5.46	1.76	-3.70
2) 10-Year/24-Hour	10.19	8.30	-1.89
3) 50-year/24-Hour	16.85	9.55	-7.30
4) 100-year/24-Hour	20.81	9.58	-11.23

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>31,799cf(2-yr):</u> <u>96,268cf(100-yr)</u>	_____ _____ _____ _____ <u>3.83</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

- Following final grading and seeding of the collection channels and infiltration berm in order to confirm they have been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessments will need to be made to ensure that accumulated sediment should be cleaned out so the channels and berm maintain necessary design volume.
- For final inspection of constructed BMPs.
- At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E & S controls.

SECTION I. ANTIDegradation ANALYSIS

This section must be completed where earth disturbance activities will be conducted in the watershed of a surface water with an existing or designated use of exceptional value or high quality pursuant to Chapter 93 (relating to water quality standards), projects where any part is located in an exceptional value wetland in accordance with 25 Pa. Code § 105.17, and projects where any part is located in the watershed of an impaired surface water where the cause of impairment is identified as siltation.

Part 1 - NONDISCHARGE ALTERNATIVES EVALUATION

The applicant must consider and describe any and all non-discharge alternatives for the entire project area which are environmentally sound and will:

- Minimize accelerated erosion and sedimentation during the earth disturbance activity
- Achieve no net change from pre-development to post-development volume, rate and concentration of pollutants in water quality

E & S Plan	PCSM/SR Plan
<p>Check off the environmentally sound nondischarge Best Management Practices (BMPs) listed below to be used prior to, during, and after earth disturbance activities that have been incorporated into your E & S Plan based on the site analysis. For non-discharge BMPs not checked, provide an explanation of why they were not utilized. Also for BMPs checked, provide an explanation of why they were utilized. (Provide the analysis and attach additional sheets if necessary)</p> <p>See Section 2 of this ESCGP-3 Application</p>	<p>Check off the environmentally sound nondischarge Best Management Practices (BMPs) listed below to be used after construction that have been incorporated into the PCSM/SR Plan based on your site analysis. For non-discharge BMPs not checked, provide an explanation of why they were not utilized. Also for BMPs checked, provide an explanation of why they were utilized. (Provide the analysis and attach additional sheets if necessary)</p> <p>See Section 3 of this ESCGP-3 Application</p>
<p>Nondischarge BMPs</p> <p><input type="checkbox"/> Alternative Siting</p> <p style="margin-left: 20px;"><input type="checkbox"/> Alternative location</p> <p style="margin-left: 20px;"><input type="checkbox"/> Alternative configuration</p> <p style="margin-left: 20px;"><input type="checkbox"/> Alternative location of discharge</p> <p><input checked="" type="checkbox"/> Limited Disturbed Area</p> <p><input type="checkbox"/> Limiting Extent & Duration of Disturbance (Phasing, Sequencing)</p> <p><input type="checkbox"/> Riparian Buffers (150 ft. min.)</p> <p><input type="checkbox"/> Riparian Forest Buffer (150 ft. min.)</p> <p><input type="checkbox"/> Other _____</p>	<p>Nondischarge BMPs</p> <p><input type="checkbox"/> Alternative Siting</p> <p style="margin-left: 20px;"><input type="checkbox"/> Alternative location</p> <p style="margin-left: 20px;"><input type="checkbox"/> Alternative configuration</p> <p style="margin-left: 20px;"><input type="checkbox"/> Alternative location of discharge</p> <p><input type="checkbox"/> Low Impact Development (LID / BSD)</p> <p><input type="checkbox"/> Riparian Buffers (150 ft. min.)</p> <p><input type="checkbox"/> Riparian Forest Buffer (150 ft. min.)</p> <p><input checked="" type="checkbox"/> Infiltration</p> <p><input type="checkbox"/> Water Reuse</p> <p><input type="checkbox"/> Other _____</p>
<p>Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality during construction?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, antidegradation analysis is complete.</p> <p>If no, proceed to Part 2.</p>	<p>Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality after construction?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, antidegradation analysis is complete.</p> <p>If no, proceed to Part 2.</p>

PART 2 - ANTIDEGRADATION BEST AVAILABLE COMBINATION OF TECHNOLOGIES (ABACT)

If the net change in stormwater discharge from or after construction is not fully managed by nondischarge BMPs, the applicant must utilize ABACT BMPs to manage the difference. The Applicant must specify whether the discharge will occur during construction, post-construction or both, and identify the technologies that will be used to ensure that the discharge will be a non-degrading discharge. ABACT BMPs include but are not limited to:

E & S Plan	PCSM/SR Plan
<p><input checked="" type="checkbox"/> Treatment BMPs:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Sediment basin with skimmer <input type="checkbox"/> Sediment basin ratio of 4:1 or greater (flow length to basin width) <input type="checkbox"/> Sediment basin with 4-7 day detention <input type="checkbox"/> Flocculants <input checked="" type="checkbox"/> Compost Filter Socks <input checked="" type="checkbox"/> Compost Filter Sock Sediment Basin <input checked="" type="checkbox"/> RCE w/ Wash Rack <p><input checked="" type="checkbox"/> Land disposal:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Vegetated filters <input type="checkbox"/> Riparian buffers <150ft. <input type="checkbox"/> Riparian Forest Buffer <150ft. <input checked="" type="checkbox"/> Immediate stabilization <p><input checked="" type="checkbox"/> Pollution prevention:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> PPC Plans <input checked="" type="checkbox"/> Street sweeping <input checked="" type="checkbox"/> Channels, collectors and diversions lined with permanent vegetation, rock, geotextile or other non-erosive materials <p><input type="checkbox"/> Stormwater reuse technologies:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Sediment basin water for dust control <input type="checkbox"/> Sediment basin water for irrigation <p><input type="checkbox"/> Other _____</p>	<p><input checked="" type="checkbox"/> Treatment BMPs:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Infiltration Practices <input type="checkbox"/> Wet ponds <input type="checkbox"/> Created wetland treatment systems <input checked="" type="checkbox"/> Vegetated swales <input type="checkbox"/> Manufactured devices <input checked="" type="checkbox"/> Bio-retention/infiltration <input type="checkbox"/> Green Roofs <p><input type="checkbox"/> Land disposal:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Vegetated filters <input type="checkbox"/> Riparian Buffers <150ft. <input type="checkbox"/> Riparian Forest Buffer <150ft. <input type="checkbox"/> Disconnection of roof drainage <input type="checkbox"/> Bio-retention/bio-infiltration <p><input checked="" type="checkbox"/> Pollution prevention:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Street sweeping <input type="checkbox"/> Nutrient, pesticide, herbicide or other chemical application plan alternatives <input checked="" type="checkbox"/> PPC Plans <input checked="" type="checkbox"/> Non-structural Practices <input checked="" type="checkbox"/> Restoration BMPs <p><input type="checkbox"/> Stormwater reuse technologies:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Divert rainwater into impoundment <input type="checkbox"/> Underground storage <p><input type="checkbox"/> Spray/Drip Irrigation</p> <p><input type="checkbox"/> Other _____</p>
<p>Are the ABACT BMPs selected sufficient to minimize E&S discharges to the extent that existing or designated surface water uses are protected?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.</p>	<p>Are the ABACT BMPs selected sufficient to achieve no net change and assure that existing or designated surface water uses are protected?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.</p>

SECTION J. COMPLIANCE HISTORY REVIEW

Is/was the applicant(s) in violation of any Department regulation, order, schedule of compliance or permit or in violation of any department regulated activities within the past five years?

☒ Yes ☐ No

If yes, provide the permit number or facility name, a brief description of the violation, the compliance schedule (including dates and steps to achieve compliance) and the current compliance status. (Attach additional information on a separate sheet, when necessary)

Permit Program or Activity: Chapter 102, Chapter 105, PAG-10

Permit Number (if applicable):

1. ESG03000150001, ESG00350150001, ESG00081150001
2. E41-649
3. E-19-311, E36-947, E-38-195, E40-769, E49-336, E54-360, E58-315, E66-160, E41-667, E18-495,
4. PAG109632

Brief Description of non-compliance:

Consent Assessment of Civil Penalty, Reports past due.

Steps taken to achieve compliance

1. Consent Assessment of Civil Penalty
2. Consent Assessment of Civil Penalty. Permits being obtained to complete channel restoration
3. Consent Assessment of Civil Penalty
4. All past due reports were provided to PADEP

Date(s) compliance achieved



1. 9/20/2020
2. 8/9/2020
3. 9/20/2020
4. 12/14/2017

Current Compliance Status: ☒ In-Compliance ☐ In Non-Compliance

If in non-compliance, attach schedule for achieving compliance.

SECTION K. CERTIFICATION BY PERSON PREPARING E&S AND PCSM/SR PLANS

I do hereby certify to the best of my knowledge, information, and belief, that the Erosion and Sediment Control and PCSM/Site Restoration Plans are true and correct, represent actual field conditions, and are in accordance with the 25 Pa. Code Chapters 78/78a and 102 of the Department's rules and regulations. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Print Name Kevin C. Clark	Signature 	Professional Seal 	
Company BAI Group, LLC			
Address 2525 Green Tech Drive, Suite D, State College, PA-16803			
Phone (814) 238-2060			
Most Recent DEP Training Attended	Location		Date
e-Mail Address kclark@baigroupllc.com			

EXPEDITED REVIEW PROCESS

In addition to the certification required above, applicants using the expedited permit review process must attach an E&S and PCSM/Site Restoration Plans developed and sealed by a licensed professional engineer, surveyor or professional geologist. The plans shall contain the following certification:

I do hereby certify to the best of my knowledge, information, and belief, that the E & S Control and PCSM/SR BMPs are true and correct, represent actual field conditions and are in accordance with the 25 Pa. Code Chapters 78 / 78a and 102 of the Department's rules and regulations. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SECTION L. APPLICANT CERTIFICATION

Applicant Certification

I certify under penalty of law, as provided by 18 Pa. C.S.A. § 4904, that this application and all related attachments were prepared by me or under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my own knowledge and on inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. The responsible official's signature also verifies that the activity is eligible to participate in the ESCGP, and that the applicant agrees to abide by the terms and conditions of the permit. BMP's, E&S Plan, PPC Plan, PCSM Plan, and other controls are being or will be, implemented to ensure that water quality standards and effluent limits are attained.

I grant permission to the agencies responsible for the permitting of this work, or their duly authorized representative to enter the project site for inspection purposes. I will abide by the conditions of the permit if issued and will not begin work prior to permit issuance.

(For individuals no indication of title is necessary, choose the box below. All others proceed to the next paragraph)

☐ **Individual; proceed to signature portion.**

I hereby certify under penalty of law, as provided by 18 Pa. C.S.A. § 4904, that I am the person who is responsible for decision-making regarding environmental compliance functions for Transcontinental Gas Pipeline Company, LLC, the manager of one or more manufacturing, production, or operating facilities of the applicant and am authorized to make management decisions which govern the operation of regulated facility including having explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure the applicant's long term environmental compliance with environmental laws and regulations; and I am responsible for ensuring that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements.

(choose one of the following; not applicable for individuals):

☐ The responsible corporate officer ☐ president ☐ vice president ☐ secretary
☐ treasure of _____ Corporation/Company
Entity name

☒ The ☐ member or ☒ manager of Transcontinental Gas Pipe Line Company, LLC
Entity name

☐ The general partner of _____ partnership/LP/LLP
Entity name

☐ The principal executive officer or ranking elected official of _____ Municipality/State/Federal/other public
agency
Entity name

☐ Power of Attorney/delegation of contractual authority (documentation supporting delegation of contracting
authority must be provided) for _____
Entity name

Print Name and Title of Applicant

Print Name and Title of Co-Applicant (if applicable)

Signature of Applicant

Signature of Co-Applicant

Date Application Signed

Date Application Signed

Notarization

Sworn to and subscribed to before me this

Commonwealth of Pennsylvania

_____ day of _____, 20_____

County of _____

Notary Public

My Commission expires _____

AFFIX SEAL

SECTION M. ADDITIONAL CONTACT INFORMATION				
Contact's Last Name	First Name	MI	Phone (814) 689-1650	
Nelson	Ryan	J	FAX	
Mailing Address	City	State	ZIP + 4	
2525 Green Tech Drive, Suite B	State College	PA	16803	
e-Mail Address ryann@whmgroup.com				

Section 1-1.1 NOI Supporting Information

Project Component	Site	Site Location City	ZIP Code	County	Municipality	Total Project Area/Project Site (Acre)	Total Disturbed Area (Acre)	Latitude / Longitude	U.S.G.S. 7.5 min. Topographic Quadrangle	Receiving Waters	Chapter 93, Designated Use Stream Classification	Chapter 93, Existing Use Stream Classification	Siltation Impaired
Regional Energy Lateral	Pipeline			Luzerne	Buck, Bear Creek, Plains, Jenkins, Kingston, Dallas, Wyoming, West Wyoming, Laflin	952.63	420.67 (includes CS 515 and sites below)	41.173337, -75.671706 (eastern terminus) 41.346917, -75.946263 (western terminus)	Kingston, Pittston, Avoca, Wilkes-Barre East, Pleasant View Summit	Stony Run, Shades Creek, Little Shades Creek, Snider Run, Meadow Run, Bear Creek, Little Bear Creek, Mill Creek, Gardner Creek, Susquehanna River, Abrahams Creek, Toby Creek, Trout Brook	MF, HQ-CWF, WWF, CWF	-	No
	CY-LU-001	Wyoming	18644	Luzerne	Wyoming		16.3 (Included within above total)	41.31016, -75.84636		Abrahams Creek	CWF, MF	-	No
	CY-LU-002	Wilkes-Barre	18702	Luzerne	Laflin		11.4 (Included within above total)	41.28491, -75.79026		Gardner Creek	CWF, MF	-	No
	MLV-515RA20	Wilkes-Barre	18702	Luzerne	Bear Creek Township		0.46 (Included within above total)	41.25279, -75.75856		Mill Creek	CWF, MF	-	No
	MLV-515RA30	Wyoming	18644	Luzerne	Wyoming Borough		0.44 (Included within above total)	41.30411, -75.84662		Susquehanna River	WWF		No
	Carverton Tie-in	Wyoming	18644	Luzerne	West Wyoming Borough		3.9 (Included within above total)	41.32053, -75.87270		Abrahams Creek	CWF, MF		No
	Lower Demunds REL Tie-in	Dallas	18612	Luzerne	Dallas Township		1.7 (Included within above total)	41.34652, -75.94551		Trout Brook	CWF, MF		No
	Hildebrandt Tie-in/MLV-515RA40	Dallas	18612	Luzerne	Dallas Township		3.1 (Included within above total)	41.34692, -75.94629		Toby Creek, Trout Brook	CWF, MF		No
	Laflin Borough Stream Stabilization	Wilkes-Barre	18702	Luzerne	Laflin Borough		0.94 (Included within above total)	41.28925, -75.80209		Gardner Creek	CWF, MF	-	No
Effort Loop	Pipeline			Monroe	Ross, Chestnuthill, Tunkhannock	360.63	262.18	40.896796, -75.370606 (Southeast Terminus) 41.053413, -75.526178 (Northwest Terminus)	Blakeslee, Pocono Pines, Brodheads ville, Saylorsburg	Lake Creek, Princess Run, Weir Creek, McMichael Creek, Pohopoco Creek, Sugar Hollow Creek, Poplar Creek, Mud Run, Mud Pond Run, Tunkhannock Creek	EV, MF, HQ-CWF, CWF	EV, MF	No

Regional Energy Access Expansion Project
ESCGP-3 Permit Application
Transcontinental Gas Pipe Line Company, LLC
Section 1-1.1 NOI Supporting Information

Project Component	Site	Site Location City	ZIP Code	County	Municipality	Total Project Area/Project Site (Acre)	Total Disturbed Area (Acre)	Latitude / Longitude	U.S.G.S. 7.5 min. Topographic Quadrangle	Receiving Waters	Chapter 93, Designated Use Stream Classification	Chapter 93, Existing Use Stream Classification	Siltation Impaired
	MLV-505LD86 Sugar Hollow Valve Yard	Effort	18330	Monroe	Chestnut Hill Township		8.8 (Included within above total)	40.96775, -75.42980		Sugar Hollow Creek	CWF, MF	-	No
	CY-MO-001	Saylorsburg	18353	Monroe	Ross Township		50.1 (Included within above total)	40.89803, -75.36784		Lake Creek, Princess Run	HQ-CWF, MF, CWF	-	No
Delaware River Regulator		Easton	18040	Northampton	Lower Mt. Bethel	11.28	3.25	40.76220 -75.19653	Bangor, PA	Mud Run	CWF, MF	-	No
Mainline “A” Regulator		Washington Crossing	18977	Bucks	Lower Makefield	0.94	0.530	40.26807, -74.85712	Pennington, NJ-PA	Dyers Creek, Delaware River	MF, WWF	-	No
Compressor Station 200		Frazer	19335	Chester	East Whiteland	20.28	3.16	40.04998, -75.58589	Malvern, PA	Valley Creek	EV, MF, CWF	-	Yes
Compressor Station 515		White Haven	18661	Luzerne	Buck	952.63 (Included with Regional Energy Lateral)	24.83 (included with Regional Energy Lateral)	41.17380, -75.67118	Pleasant View Summit, PA	Shades Creek, Stony Run	HQ-CWF, MF	-	No



MUNICIPAL NOTIFICATION OF PLANNED LAND DEVELOPMENT FOR CHAPTER 102 PERMITS

PROJECT INFORMATION (COMPLETED BY APPLICANT)

Applicant Name:	Transcontinental Gas Pipe Line Company, a subsidiary of Williams Partners, L.P.	Contact Name:	Joseph Dean Manager-Permitting
Applicant Address:	2800 Post Oak Blvd, Level 11	Contact Phone:	(713) 215-3427
Applicant City, State, ZIP:	Houston, TX 77056	County:	Luzerne

Description of Proposed Land Development and Stormwater Controls:

Municipality: **Buck**

The Regional Energy Lateral component of the Regional Energy Access Expansion Project will consist of approximately 22.3 miles of 30-inch diameter pipeline, partially co-located with existing Transco Leidy Line-A, in Buck, Bear Creek, Plains, Jenkins, Kingston and Dallas Townships, and Laffin, Wyoming, and West Wyoming Boroughs, Luzerne County, Pennsylvania. The Regional Energy Lateral begins at existing Compressor Station 515 in Buck Township and continues westward to its terminus at Transco's existing Hildebrandt Tie-in in Dallas Township. Transco will be installing four mainline valves with appurtenant equipment, as a means to isolate gas flows along the Regional Energy Lateral. The mainline valve sites at each pipeline terminus (MLV515RA10 at Compressor Station 515 and MLV515RA40 at the Hildebrandt Tie-in) will also have pig traps (industry term for manifolds that launch or receive in-line inspection tools). The other two valve sites are proposed along the pipeline route (MLV515RA20 at Milepost 7.5 and MLV515RA30 at Milepost 14.8). Modifications at three existing pipeline interconnects are proposed to tie-in the proposed pipeline to the existing facilities. The Carverton Tie-In is located at Milepost 16.8. The Lower Demunds Tie-In is located at Milepost 22.3 and also includes a +/- 400-ft segment of 20-in pipeline to connect to the existing facility. The Hildebrandt Tie-In is located at the Regional Energy Lateral pipeline terminus and includes MLV515RA40. Two contractor yards are proposed for the Project and are located adjacent to the pipeline. CY-LU-001 is located at Milepost 15.3 and CY-LU-002 is located at Milepost 10.5. Cathodic protection equipment will be installed along the pipeline route. Deep anode ground beds are proposed at Mileposts 7.5 and 19.8, and one remote anode ground bed is proposed at Milepost 15.3.

Project Area: **106.06** acres ☐ PhasedDisturbance: **47.57** acres

The existing Compressor Station 515 component of the Project is located at the eastern terminus of the Regional Energy Lateral in Buck Township, Luzerne County. Proposed at this facility is the addition of two gas-fired turbine driven compressor units with 63,742 nominal HP at ISO conditions and modification of three existing compressors to support the Project and to accommodate the abandonment and replacement of approximately 17,000 HP from five existing gas-fired reciprocating engine driven compressors and increase the certificated station compression by 46,742 HP. One Mainline Valve will be installed at this facility (MLV515RA10). E&S and PCSM BMP's are proposed within Buck Township, with PCSM BMP's proposed at Compressor Station 515.

Surface Waters Receiving Stormwater Discharges:

Tax Parcel ID(s) Affected by Proposed Land Development:

Shades Creek, Stony Run**See attached table**Discharge to: ☐ MS4 ☐ Other SS ☐ CSS

The following information was submitted to the municipality for this project:

☐ Land Development / Subdivision Plan ☒ E&S Plan ☒ PCSM Plan ☐ Other:

***On March 31, 2021 Transco submitted to you its E&S and PCSM Plans (Plans) as part of the ESCGP-3 permit application notification. The purpose of this notice is to let you know that Transco will be submitting an Erosion and Sediment Control Permit for Discharges of Stormwater Associated with Construction Activities Application to the PA Dept. of Environmental Protection to replace the ESCGP-3 application. Please refer to the previously submitted Plans.**

MUNICIPAL PLAN / ORDINANCE INFORMATION (COMPLETED BY MUNICIPALITY)

1. Is there an adopted municipal or multi-municipal comprehensive plan? ☐ Yes ☐ No
2. Is there an enacted municipal or multi-municipal zoning ordinance? ☐ Yes ☐ No
3. If Yes to #2, is the proposed project consistent with the ordinance? ☐ Yes ☐ No
4. Is there a municipal stormwater management ordinance? ☐ Yes ☐ No
5. If Yes to #4, is the proposed project consistent with the ordinance, without waiver? ☐ Yes ☐ No
6. If Yes to #4, indicate type of ordinance: ☐ Act 167 Model Ordinance ☐ DEP Model Ordinance (MS4s) ☐ Other


APPLICANT CERTIFICATION

I certify under penalty of law (see 18 Pa.C.S. § 4904 (relating to unsworn falsification)) that the information reported herein was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the information, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

MUNICIPAL ACKNOWLEDGEMENT

The municipality acknowledges that a permit application for the above-referenced project has been submitted to a reviewing agency and that notification requirements of Act 14 of 1984 and Acts 67, 68, and 127 of 2000 have been satisfied. The information reported herein by the municipality is true and accurate. The municipality reserves the right to comment to the reviewing agency relative to comprehensive plans, zoning, and stormwater ordinance consistency. Municipal acknowledgment of receipt of notification shall not be construed as project approval.

Joseph Dean

Applicant Name**Applicant Signature**

Manager - Permitting

Applicant Title

07/01/2021

Date of Signature**Municipal Representative Name****Municipal Representative Signature****Municipal Representative Title****Date of Signature**

Tax Account Number/APN	Legal Desc County	Municipality
05J14 00AVAR000	Luzerne	Buck
05J14 00AVAR000	Luzerne	Buck
05J14 00AVAR000	Luzerne	Buck
05J14 00AVAR000	Luzerne	Buck
05J14 00AVAR000	Luzerne	Buck
05J14 00AVAR000	Luzerne	Buck
05J14 00AVAR000	Luzerne	Buck
05J14 00AVAR000	Luzerne	Buck
05J14 00AVAR000	Luzerne	Buck
05J14 00AVAR000	Luzerne	Buck
05K13 00A002000	Luzerne	Buck
05K14 00A046000	Luzerne	Buck
05K14 00A050000	Luzerne	Buck
05K14 00A051000	Luzerne	Buck



July 13, 2021

Dear Sue Fox:

The following is in response to your request for proof of delivery on your item with the tracking number:
7020 1290 0001 6919 2944.

Item Details

Status:	Delivered, PO Box
Status Date / Time:	July 13, 2021, 9:02 am
Location:	BEAR CREEK, PA 18602
Postal Product:	First-Class Mail®
Extra Services:	Certified Mail™
	Return Receipt Electronic

Shipment Details

Weight:	1.0oz
----------------	-------

Recipient Signature

Signature of Recipient:

Address of Recipient:

Handwritten signature and address of the recipient, Sue Fox, dated 7-13-21. The address is Bear Creek, PA 18602.

Note: Scanned image may reflect a different destination address due to Intended Recipient's delivery instructions on file.

Thank you for selecting the United States Postal Service® for your mailing needs. If you require additional assistance, please contact your local Post Office™ or a Postal representative at 1-800-222-1811.

Sincerely,
United States Postal Service®
475 L'Enfant Plaza SW
Washington, D.C. 20260-0004



March 31, 2021

USPS Overnight Delivery

Buck Township Supervisors
114 Buck Boulevard
PO Box 273
Bear Creek, PA 18602

Re: Regional Energy Access Expansion Project– Regional Energy Lateral and Compressor Station 515
Pennsylvania Acts 14, 67, 68, and 127 Notification
Buck Township, Luzerne County, Pennsylvania

Dear Township Supervisors:

This municipal notice, under the requirements of Act 14, 97 P.S. § 510-5, is to inform you that Transcontinental Gas Pipe Line Company, LLC (Transco), a subsidiary of The Williams Companies, Inc. (Williams) is applying for coverage under the Erosion and Sediment Control General Permit (ESCGP-3) for Earth Disturbance Associated with Oil & Gas Exploration, Production, Processing or Treatment Operations or Transmission Facilities from the Pennsylvania Department of Environmental Protection (DEP).

1) Project Name: Regional Energy Access Expansion Project – Regional Energy Lateral and Compressor Station 515

2) Project Description: Transco, indirectly owned by The Williams Companies, Inc. (Williams), is seeking authorization from the Federal Energy Regulatory Commission (FERC or Commission) under Section 7(c) of the Natural Gas Act and Part 157 of the Commission's regulations, to construct, own, operate, and maintain the proposed Project facilities. The Project is an expansion of Transco's existing natural gas transmission system that will enable Transco to provide an incremental 829,400 dekatherms per day (Dth/d) of year-round firm transportation capacity from the Marcellus Shale production area in northeastern Pennsylvania (PA) to multiple delivery points along Transco's Leidy Line in PA, Transco's mainline at the Station 210 Zone 6 Pooling Point in Mercer County, New Jersey (NJ) and multiple delivery points in Transco's Zone 6 in NJ, PA, and Maryland (MD).

The Regional Energy Lateral component of the Project will consist of approximately 22.3 miles of 30-inch diameter pipeline, partially co-located with existing Transco Leidy Line-A, in Buck, Bear Creek, Plains, Jenkins, Kingston and Dallas Townships, and Laflin, Wyoming, and West Wyoming Boroughs, Luzerne County, Pennsylvania. The Regional Energy Lateral begins at existing Compressor Station 515 in Buck Township and continues westward to its terminus at Transco's existing Hildebrandt Tie-in in Dallas Township. Transco will be installing four mainline valves with appurtenant equipment, as a means to isolate gas flows along the Regional Energy Lateral. The mainline valve sites at each pipeline terminus (MLV515RA10 at Compressor Station 515 and MLV515RA40 at the Hildebrandt Tie-in) will also have pig traps (industry term for manifolds that launch or receive in-line inspection tools). The other two valve sites are proposed along the pipeline route (MLV515RA20 at Milepost 7.5 and MLV515RA30 at Milepost 14.8). Modifications at three existing pipeline interconnects are proposed to tie-in the proposed pipeline to the existing facilities. The Carverton Tie-In is located at Milepost 16.8. The Lower Demunds Tie-In is located at Milepost 22.3 and also includes a +/- 400-ft segment of 20-in pipeline to connect to the existing facility. The Hildebrandt Tie-In is located at the Regional Energy Lateral pipeline terminus and includes MLV515RA40. Two contractor yards are proposed for the Project and are located adjacent to the pipeline. CY-LU-001 is located at Milepost 15.3 and CY-LU-002 is located at Milepost 10.5. Cathodic protection

equipment will be installed along the pipeline route. Deep anode ground beds are proposed at Mileposts 7.5 and 19.8, and one remote anode ground bed is proposed at Milepost 15.3.

The existing Compressor Station 515 component of the Project is located at the eastern terminus of the Regional Energy Lateral in Buck Township, Luzerne County. Proposed at this facility is the addition of two gas-fired turbine driven compressor units with 63,742 nominal HP at ISO conditions and modification of three existing compressors to support the Project and to accommodate the abandonment and replacement of approximately 17,000 HP from five existing gas-fired reciprocating engine driven compressors and increase the certificated station compression by 46,742 HP. One Mainline Valve will be installed at this facility (MLV515RA10).

3) Applicant Name: Transcontinental Gas Pipe Line Company, LLC's (Transco), a subsidiary of Williams Partners L.P. (Williams)

4) Applicant Contact: Joseph Dean
Manager, Permitting
2800 Post Oak Blvd, Level 11
Houston, TX 77056
(713) 215-3427

5) Site Location: The proposed Project is located on the Kingston, Pittston, Wilks-Barre East, Pleasant View Summit, Pennsylvania, 7.5 Minute USGS quadrangle. The Project is partially co-located with an existing pipeline right-of-way. The eastern terminus of the Regional Energy Lateral is located at: 41°10'24.037" 75°40'18.141"W, and is also the location of Compressor Station 515. The western pipeline terminus: 41°20'48.869"N, 75°56'46.642"W.

6) Municipality / County: Buck, Bear Creek, Plains, Jenkins, Kingston, and Dallas Townships, Wyoming, West Wyoming, and Laflin Boroughs, Luzerne County

Act 14, which amended the Commonwealth's Administrative Code (71 P.S. § 510-5), requires every applicant for a new, amended, or revised permit to give written notice to each municipality (borough, township) and county government in which the facility is located. The municipality and county government must receive the written notice at least thirty (30) - days before DEP may issue or deny approval of coverage.

Enclosed is a complete copy of the Notice of Intent (NOI) completed for the project as well as copies of the erosion and sediment control plan and post construction stormwater management plans.

Sincerely,



Ryan J. Nelson, PWS
WHM Consulting, LLC

Enclosures:

NOI Form
Erosion and Sediment Control Plan Drawings
Post Construction Stormwater Management Plan Drawings

Sue Fox

From: auto-reply@usps.com
Sent: Thursday, April 8, 2021 10:54 PM
To: Sue Fox
Subject: USPS® Item Delivered EJ150027803US



Hello **Sue Fox**,

Your item was delivered at 8:21 am on April 8, 2021 in BEAR CREEK, PA 18602. Waiver of signature was exercised at time of delivery.

Tracking Number: [EJ150027803US](#)

Delivered



Tracking & Delivery Options


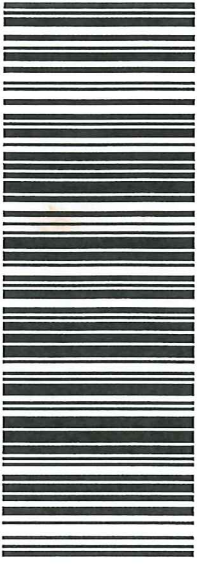
My Account

Visit [USPS Tracking®](#) to check the most up-to-date status of your package. Sign up for [Informed Delivery®](#) to digitally preview the address side of your incoming letter-sized mail and manage your packages scheduled to arrive soon! To update how frequently you receive emails from USPS, log in to your [USPS.com](#) account.

Want regular updates on your package? [Set up text alerts.](#)

INFORMED DELIVERY®
Sign up to view your mail
online or via email.



SHIP TO: TOWNSHIP SUPERVISORS 5704723344 BUCK TOWNSHIP SUPERVISORS 114 BUCK BOULEVARD BEAR CREEK PA 18602	PA 186 9-70 	UPS GROUND TRACKING #: 1Z 879 7VV 03 9021 5440 	4 LBS 1 OF 1 SUE FOX 8146891650 WHM CONSULTING, INC. 2525 GREENTECH DR #B STATE COLLEGE PA 16803
BILLING: P/P			Reference No.1: WILLIAMS 20-244, task 2c XOL 21.03.15 NV45-42.0A 01/2021*

-----Please fold or cut in half-----

SENDER'S RECEIPT

Airbill#: 1Z8797VV0390215440

To(Company):

Buck Township Supervisors

 114 Buck Boulevard
 BEAR CREEK, PA 18602
 United States

Attention To: Township Supervisors

Phone#: 570-472-3344

Sent By: Sue Fox

Phone#: 814-689-1650

Date Printed: 2021-03-31

Ship Date: 2021-03-31

Rate Estimate: 15.31

Protection: Amount: \$

Protection: Value: \$ 0.00 (inclusive of all pkgs)

Description:

Weight: 4

Dimensions: x x

Ship Ref1: WILLIAMS 20-244, task 2c

Ship Ref2:

Service Level: Ground

Special Service:

COD Amount:

Payment Options:

Bill Shipment To: Sender

Bill To Account: 8797VV

UPS Signature (optional) _____ Route _____ Date _____ Time _____


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 For Tracking, please go to www.ups.com or call 1-800-PICK-UPS
 Thank you for shipping with UPS Worldwide Express



pennsylvania
DEPARTMENT OF ENVIRONMENTAL
PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF WATER PROGRAMS
OFFICE OF OIL AND GAS MANAGEMENT

OFFICIAL USE ONLY

ID # T

Date Received _____

AUTH _____

SITE _____

CLNT _____

APS _____

Fee _____

Check No. _____

Check Date _____

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT
CONTROL GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH
OIL AND GAS EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT
OPERATIONS OR TRANSMISSION FACILITIES**

**READ THE INSTRUCTIONS PROVIDED IN THIS PERMIT APPLICATION PACKAGE BEFORE COMPLETING
THIS FORM. PLEASE PRINT OR TYPE INFORMATION IN BLACK OR BLUE INK.**

SECTION A. APPLICATION TYPE

Check one:

NEW ☒ RENEWAL ☐ MAJOR MODIFICATIONS (Provide ESCGP number) ☐PHASED ☐ (check only if applicable; *note: Most projects are not submitted as phased projects*)Check one: EXPEDITED ☐ STANDARD ☒

If an Expedited Review Process being requested, be advised that the Expedited Review is not available for all projects. Refer to Section D - Expedited Review Process of the ESCGP-3 NOI Instructions to determine if the project is eligible.

SECTION B. CLIENT INFORMATION

Applicant's Last Name (If applicable)	First Name	MI	Telephone No.
Organization Name or Registered Fictitious Name Transcontinental Gas Pipe Line Company, LLC (Contact: Joseph Dean)			Telephone No. (713) 215-3427
DEP Client ID No.			
Headquarters Mailing Address 2800 Post Oak Blvd, Level 11	City Houston	State TX	ZIP Code 77056
Email Address Joseph.Dean@williams.com			
Co-Applicant's Last Name (If applicable)	First Name	MI	Telephone No.
Organization Name or Registered Fictitious Name			Telephone No.

Address	City	State	ZIP Code
Email Address			

SECTION C. SITE INFORMATION					
Is there an existing ESCGP associated with this site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, Permit No. _____					
Has a well permit application been submitted for this site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, Permit No. _____					
Does this site have a 911 address? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, <u>provide site location address.</u>					
Site Name Regional Energy Access Expansion Project					
Site Location See Attachment 1-1.1- NOI Supporting Information			Site No. (if another permit has been issued for the site)		
Site Location – City See Attachment 1-1.1- NOI Supporting Information				State PA	ZIP Code
Detailed Written Directions to Site See Attachment 1-1.1- NOI Supporting Information for locations of all project sites					
Primary Location	County Luzerne, Northampton, Bucks, Chester, and Monroe	Municipality Buck, Bear Creek, Plains, Jenkins, Kingston, Lower Mt. Bethel, Ross, Chestnut Hill, Tunkhannock, Lower Makefield, East Whiteland and Dallas Townships Wyoming, West Wyoming, and Laflin Boroughs	City <input type="checkbox"/>	Boro <input checked="" type="checkbox"/>	Twp. <input checked="" type="checkbox"/>
SECTION D. EXPEDITED REVIEW					
I. Expedited Review Eligibility					
1. Is any part of the project in the watershed of a surface water with an existing or designated use of exceptional value or high quality pursuant to Chapter 93 (relating to water quality standards), in an exceptional value wetland in accordance with 25 Pa. Code § 105.17, or in the watershed of an impaired surface water where the cause of the impairment is identified as siltation?			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
2. Will the project in which the well pad will be constructed be in or on a floodplain?			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
3. Is any earth disturbance located or proposed to be located on land known to be contaminated by the release of regulated substances as defined in Section 103 of Act 2, 35 P.S. § 6026.103?			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
4. Will naturally occurring geologic formations or soil conditions provide hazards to the project or surrounding environment or have the potential to cause or contribute to pollution when disturbed?			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
5. Do any unresolved non-compliance issues exist with the applicant or the facility?			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
6. Is the project a transmission project?			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

<p>If yes to any of the above questions the project is not eligible for Expedited Review; If the project is eligible for Expedited Review, all the following items must be completed.</p>	
<p>II. Expedited Review Process</p>	
1. Is the technically and administratively complete and accurate NOI package prepared and certified by a licensed professional?	<input type="checkbox"/> Yes <input type="checkbox"/> No
2. Are E&S and PCSM/Site Restoration Plan drawings and narrative prepared and sealed by a licensed professional? <i>(Include interim restoration details when needed)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No
3. Include a Resource Delineation Report and answer the following questions: (If the answer to question a. is "Yes" then skip to #4. If the answer to a. is "No" the applicant must answer "Yes" to at least one of the questions, b. through d. to be eligible for expedited review.)	
a. Were all wetland resources delineated during the growing season?	<input type="checkbox"/> Yes <input type="checkbox"/> No
b. If not during the growing season, was a follow-up visit conducted during the growing season to verify/adjust boundaries and look for potentially missed resources?	<input type="checkbox"/> Yes <input type="checkbox"/> No
c. Was a quality assurance field review conducted at a later date by an independent qualified wetland professional to verify boundaries and look for potentially missed resources? (If yes, attach Quality Assurance Field Review Report)	<input type="checkbox"/> Yes <input type="checkbox"/> No
d. Was a Jurisdictional Determination (JD) or Preliminary JD conducted by the US Army Corps of Engineers on the whole project? (If yes, attach Preliminary or Jurisdictional Determination Report)	<input type="checkbox"/> Yes <input type="checkbox"/> No
4. If applicable, have you included PNDI clearance letters or other documentation from applicable resource agencies?	<input type="checkbox"/> Yes <input type="checkbox"/> No
5. If the project site contains, is along, or within 100 feet of a river, stream, creek, lake, pond or reservoir, will you establish new or preserve existing riparian forest buffer at least 100 feet in width between the top of streambank or normal pool elevation of a lake, pond or reservoir and areas of earth disturbances. If no, will a waiver be obtained? <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
6. Name of Licensed Professional	
Company	
Address	
Phone	

SECTION E. PROJECT INFORMATION																	
1. Total Project Area/Project Site (Ac):	1,346 (Also see Attachment 1-1.1)	Total Disturbed Area (Ac):	689.8 (Also see Attachment 1-1.1)														
Increased disturbed acreage <i>(for permit modification only)</i>																	
Fee: <i>(For additional information regarding fees, refer to NOI Instructions #3 Permit NOI Filing Fees.)</i>			\$ \$500 (Filing Fee), \$69,000 (Disturbed Acre Fee)														
2. Project Name: Regional Energy Access Expansion Project																	
3. Project Type (Check all that apply) <table border="0" style="width: 100%;"> <tr> <td><input type="checkbox"/> Oil/Gas Well ¹</td> <td><input checked="" type="checkbox"/> Transmission Facility</td> </tr> <tr> <td><input type="checkbox"/> Gathering Facility</td> <td><input type="checkbox"/> Processing Facility</td> </tr> <tr> <td><input type="checkbox"/> Treatment Facility</td> <td><input type="checkbox"/> Well Development Impoundment</td> </tr> <tr> <td><input checked="" type="checkbox"/> Compressor Station</td> <td><input type="checkbox"/> Non-FERC regulated Transmission Facility</td> </tr> <tr> <td><input checked="" type="checkbox"/> Pipeline</td> <td><input type="checkbox"/> Ground/Surface Water Withdrawal Site</td> </tr> <tr> <td><input type="checkbox"/> Storage Field Facility</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Other</td> <td></td> </tr> </table>				<input type="checkbox"/> Oil/Gas Well ¹	<input checked="" type="checkbox"/> Transmission Facility	<input type="checkbox"/> Gathering Facility	<input type="checkbox"/> Processing Facility	<input type="checkbox"/> Treatment Facility	<input type="checkbox"/> Well Development Impoundment	<input checked="" type="checkbox"/> Compressor Station	<input type="checkbox"/> Non-FERC regulated Transmission Facility	<input checked="" type="checkbox"/> Pipeline	<input type="checkbox"/> Ground/Surface Water Withdrawal Site	<input type="checkbox"/> Storage Field Facility		<input type="checkbox"/> Other	
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<input checked="" type="checkbox"/> Compressor Station	<input type="checkbox"/> Non-FERC regulated Transmission Facility																
<input checked="" type="checkbox"/> Pipeline	<input type="checkbox"/> Ground/Surface Water Withdrawal Site																
<input type="checkbox"/> Storage Field Facility																	
<input type="checkbox"/> Other																	
¹ If Oil/Gas Well; is the well conventional or unconventional? <input type="checkbox"/> Conventional <input type="checkbox"/> Unconventional																	

Project Description

Transco, indirectly owned by The Williams Companies, Inc. (Williams), is seeking authorization from the Federal Energy Regulatory Commission (FERC or Commission) under Section 7(c) of the Natural Gas Act and Part 157 of the Commission's regulations, to construct, own, operate, and maintain the proposed Project facilities

The Project is an expansion of Transco's existing natural gas transmission system that will enable Transco to provide an incremental 829,400 dekatherms per day (Dth/d) of year-round firm transportation capacity from the Marcellus Shale production area in northeastern Pennsylvania (PA) to multiple delivery points along Transco's Leidy Line in PA, Transco's mainline at the Station 210 Zone 6 Pooling Point in Mercer County, New Jersey (NJ) and multiple delivery points in Transco's Zone 6 in NJ, PA, and Maryland (MD). The Project will consist of the following components:

- Approximately 22.3 miles of 30-inch-diameter pipeline partially collocated with Transco's Leidy Line A from milepost (MP) 0.00 to MP 22.32 in Luzerne County, PA (Regional Energy Lateral);
 - Approximately 13.8 miles of 42-inch-diameter pipeline collocated with Transco's Leidy Line System from MP 43.72 to MP 57.50 in Monroe County, PA (Effort Loop);
 - New gas-fired turbine driven compressor station identified as Compressor Station 201 with 11,107 nominal horsepower (HP) at International Organization of Standardization (ISO) conditions in Gloucester County, NJ;
 - Addition of two gas-fired turbine driven compressor units with 31,800 nominal HP at ISO conditions at existing Compressor Station 505 in Somerset County, NJ, to accommodate the abandonment and replacement of approximately 16,000 HP from eight existing internal combustion engine-driven compressor units and increase the certificated station compression by 15,800 HP;
 - Addition of two gas-fired turbine driven compressor units with 63,742 nominal HP at ISO conditions and modification of three existing compressors at existing Compressor Station 515 in Luzerne County, PA to support the Project and to accommodate the abandonment and replacement of approximately 17,000 HP from five existing gas-fired reciprocating engine driven compressors and increase the certificated station compression by 46,742 HP;
 - Uprate and rewheel two existing electric motor-driven compressor units at existing Compressor Station 195 in York County, PA to increase the certificated station compression by 5,000 HP and accommodate the abandonment of two existing gas-fired reciprocating engine driven compressors which total approximately 8,000 HP of compression;
 - Modifications at existing Compressor Station 200 in Chester County, PA;
 - Uprate one existing electric motor-driven compressor unit at Compressor Station 207 in Middlesex County, NJ to increase the certificated station compression by 4,100 HP;
 - Modifications to three (3) existing pipeline tie-ins in PA (Hildebrandt Tie-in, Lower Demunds REL Tie-in, and Carverton Tie-in);
 - Addition of regulation controls at an existing valve setting on Transco's Mainline "A" in Bucks County, PA (Mainline A Regulator);
 - Modifications at the existing Delaware River Regulator in Northampton County, PA;
 - Modifications at the existing Centerville Regulator in Somerset County, NJ;
 - Modifications to the existing valves and piping at the Princeton Junction (Station 210 Pooling Point) in Mercer County, NJ;
 - Modifications to three (3) existing delivery meter stations in NJ (Camden M&R Station, Lawnside M&R Station, and Mt. Laurel M&R Station);
 - Modifications to one (1) existing delivery meter station in MD (Beaver Dam M&R Station);
 - Contractual changes (no modifications) at ten (10) existing delivery meter stations in PA and NJ (Algonquin-Centerville Meter Station, Post Road Meter Station, New Village Meter Station, Spruce Run Meter Station, Marcus Hook Meter Station, Ivyland Meter Station, Repaupo Meter Station, Morgan Meter Station, Lower Mud Run Meter Station, and Chesterfield Meter Station);
 - Additional ancillary facilities, such as mainline valves (MLVs), cathodic protection, communication facilities, and internal inspection device (e.g., pig) launchers and receivers in PA; and
 - Existing, improved, and new access roads and contractor yards/staging areas in PA, NJ, and MD.
- Provide the date of pre-application meeting (if conducted with the Department) 04/27/20, 07/09/20, 09/04/20, 09/30/20, 12/15/20, 12/16/20, 01/06/21, 02/05/21

4. Provide the latitude and longitude coordinates for the center of the project. The coordinates should be in Decimal degrees and North American Datum 1983. The coordinates must meet the current DEP policy regarding locational accuracy. For linear projects provide the project's termini. See Attachment 1-1.1

Latitude (DD) . Latitude (DD) . Horizontal Collection Method: <input type="checkbox"/> GPS <input checked="" type="checkbox"/> Interpolated from U.S.G.S. Topographic Map <input type="checkbox"/> DEP's eMAP	Longitude (DD) - . Longitude (DD) - .				
5. U.S.G.S. 7.5 min. topographic quadrangle Name (See Attachment 1-1.1) <i>(Include a copy of the project area on the 7.5 min quad map)</i>					
6. Will the project be conducted as a phased permit project? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Include Master Site Plan Estimated Timetable for Phased Projects. <input type="checkbox"/> Additional sheet(s) attached.					
Phase No. or Name	Description	Total Area	Disturbed Area	Start Date	End Date
7. List existing and previous land use for a minimum of the previous 5 years. (See Section 2 of this ESCGP-3 Application)					
8. Other Pollutants: Will the stormwater discharge contain pollutional substances other than sediment? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
9. Will fuels, chemicals, solvents, other hazardous waste or materials be used or stored on site during earth disturbance activities or will Horizontal Directional Drilling (HDD) activities be conducted? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If yes, Preparedness, Prevention and Contingency (PPC) Plan must be maintained on site during earth disturbance. See NOI Instructions, E.9 PPC Plan Guidance for further information.)</i>					
10. Is the project in the watershed of an impaired surface water where the cause of the impairment is identified as siltation? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (See Section 2-5 of this ESCGP-3 Application) <i>(If yes, show how the project will not result in a net change in volume, rate or water quality. See section I below, and E.10 of NOI instructions.)</i>					
11. Are there potentially hazardous naturally occurring geological or soil conditions in any portion of the project or surrounding area? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, do the potentially hazardous geologic or soil conditions have the potential to cause or contribute to pollution as a result of the proposed earth disturbance activities? If no, provide an explanation. If yes, Geologic Hazard Mitigation Plan must be attached and explain where in this application details are provided.					
12. Has the Act 14 Municipal Notification and proof of receipt of notification been attached to the NOI? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If not, the NOI is not complete, see E.12 and #4 Municipal Notification in the NOI Instructions for additional guidance.)</i>					
13. Has the PNDI receipt been attached to the NOI? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If not, the NOI is not complete, see E.13 and #5 PNHP in the NOI Instructions for additional guidance.)</i>					
14. Have the E&S Plan and PCSM/SR Plan been planned and designed to be consistent? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
15. Have existing and/or proposed Riparian Forest Buffers been identified? Yes <input checked="" type="checkbox"/> N/A <input type="checkbox"/> <i>(If yes, they must be shown on the E&S Plan as well as the PCSM/SR Plans.)</i>					
16. Have antidegradation implementation requirements for special protection waters been addressed? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> <i>(If yes, antidegradation requirements must be included in the plan.)</i>					

17. Has the seasonal high groundwater level been identified and 20-inch separation established at all excavation locations for pits for conventional operations and Well Development Impoundments for unconventional operations?

Yes ☐ No ☐ N/A ☒

<p>18. Receiving Waters</p> <u>Effort Loop-</u> <u>Lake Creek (HQ-CWF,MF)</u> <u>Princess Run (CWF,MF)</u> <u>Weir Creek (CWF,MF)</u> <u>McMichael Creek (EV, MF) and (HQ-CWF)</u> <u>Pohopoco Creek (CWF,MF)</u> <u>Sugar Hollow Creek (CWF,MF)</u> <u>Poplar Creek (EV,CWF,MF)</u> <u>Mud Run (HQ-CWF, MF)</u> <u>Mud Pond Run (HQ- CWF,EV,MF)</u> <u>Tunkhannock Creek (HQ- CWF,MF)</u> <u>Regional Energy Lateral- Stony Run (HQ-CWF,MF)</u> <u>Shades Creek (HQ-CWF,MF)</u> <u>Little Shades Creek (HQ- CWF,MF)</u> <u>Snider Run (HQ-CWF,MF)</u> <u>Meadow Run (HQ-CWF,MF)</u> <u>Bear Creek (HQ-CWF,MF)</u> <u>Little Bear Creek (HQ- CWF,MF)</u> <u>Mill Creek (CWF,MF)</u> <u>Gardner Creek (CWF,MF)</u> <u>Susquehanna River (WWF,MF)</u> <u>Abrahams Creek (CWF,MF)</u> <u>Toby Creek (CWF,MF)</u> <u>Trout Brook (CWF,MF)</u> <u>Compressor Station 515-Shades Creek (HQ-CWF,MF)</u> <u>Stony Run (HQ-CWF,MF)</u> <u>Compressor Station 200-Valley Creek (EV,MF)</u> <u>Delaware River Regulator-Mud Run (CWF, MF)</u> <u>Mainline "A" Regulator - Dyers Creek (WWF,MF)</u> <u>See Attachment 1-1.1 for detailed list.</u>	<p>Chapter 93, Designated Use Stream Classification</p> <input checked="" type="checkbox"/> HQ <input checked="" type="checkbox"/> EV <input checked="" type="checkbox"/> Other <u>CWF, MF, WWF</u> <input checked="" type="checkbox"/> Siltation-impaired	<p>Chapter 93, Existing Use Stream Classification</p> <input type="checkbox"/> HQ <input checked="" type="checkbox"/> EV <input checked="" type="checkbox"/> Other <u>MF</u> <input type="checkbox"/> Siltation-impaired
	<input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired	<input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired

	<input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired <input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired	<input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired <input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired
Secondary Receiving Water	Secondary Chapter 93, Designated Use	Secondary Existing Use
Name of Municipal or Private Separate Storm Sewer Operator, if applicable.		
Non-Surface Receiving Water: (include off-site discharges)		

SECTION F. EROSION AND SEDIMENT CONTROL (E&S) PLAN
See the attached Instructions for additional guidance with E&S Plans

Erosion and Sediment Control Plan BMPs should be designed to minimize accelerated erosion and sedimentation through limiting the extent and duration of earth disturbance, protection of existing drainage and vegetation, limiting soil compaction and controlling the generation of increased runoff. The Department recommends the use of the *Pennsylvania Erosion & Sedimentation Pollution Control Program Manual (E&S Manual)* (363-2134-008) to achieve this goal. The E&S Plan must meet the requirements of Pa. Code § 102.4(b) and submitted with the NOI. Also, see section 2. of the NOI instruction for detailed information on completing the E&S plan and additional requirements.

a. E&S Plan Summary

Provide a summary of proposed E&S BMPs and their performance to manage E&S for the project.

Typical BMPs provided along the pipeline Right-Of-Way includes waterbars, trench plugs, compost filter socks, compost sediment traps, rock filter outlets, erosion control blankets, rock construction entrances, temporary equipment bridges, timber mats, diversion channels, level spreaders, mulch and seed. An appropriate sediment removal device (filter bag, dewatering structure) and well-vegetated area will be utilized for trench dewatering. In HQ, EV watersheds, appropriate Antidegradation Best Available Combination of Technologies (ABACT) BMPs will be utilized. Additional information regarding all the proposed BMPs are provided in the Erosion and Sedimentation Control and Site Restoration Plans of respective project components (Section 2 of this ESCGP-3 Application).

b. E&S Plan BMP Design

Check those that apply:

- ☒ E&S Plan is designed using BMPs in the *E&S Manual*.
- ☐ E&S Plan is designed using an alternative BMP or design standard approved by DEP.

Note: NOI packages submitted with alternate BMPs not approved by the Department will be returned to the Applicant.

c. Do you have any information regarding riparian buffer which differs from Section G, Riparian Buffer?

Yes ☐ No ☒

Explain:

d. Thermal Impacts Analysis

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

Thermal impacts associated with Regional Energy Access Expansion Project will be avoided to the maximum extent possible. Minimum permanent changes in land cover are being proposed for constructing the pipeline facilities. Runoff from impervious areas added during the project will be suitably routed to Stormwater BMPs. Gravel will be used for access roads wherever practicable. To avoid thermal impacts arising from clearing and grading, removal of vegetation will be limited to only that necessary for construction and construction Right-Of-Way will be limited to 75 feet in wetlands and floodways where practical. Once construction activities are complete, disturbed areas will be restored to pre-construction contours and seeded as described in Erosion and Sediment Control and Site Restoration Plans. Temporary workspaces will be restored back with woody and herbaceous species. Thermal impacts assessments corresponding to each project component including pipelines and aboveground facilities are given in Section 2 and 3 of this ESCGP-3 Application.

e. Off-Site Discharge Analysis

Does the activity propose any off-site discharges to areas other than surface waters? ☒ Yes ☐ No

If yes, it is the applicant's responsibility to ensure that they have legal authority for any off-site discharge to neighboring properties.

The applicant must provide a demonstration in both E&S and PCSM/SR plans that the discharge will not cause erosion, damage, or a nuisance to off-site properties.

See Offsite Discharge Analysis Sections in E&S Narratives

SECTION G. RIPARIAN BUFFER

1. Will you be protecting, converting or establishing a voluntary riparian forest buffer as part of this project?
☐ Yes ☒ No
If yes, as part of the PCSM/SR Plan, provide a Buffer Management Plan.
2. Will proposed earth disturbance activities be conducted in an EV or HQ watershed AND within 150 feet of a perennial or intermittent river, stream, or creek, or lake, pond, or reservoir? ☒ Yes ☐ No
If no, proceed to the next section/module.
3. Does this project qualify for an exception (see § 102.14(d)(1))? ☒ Yes ☐ No
If yes, indicate below the type of project for which the exception applies by marking the appropriate box.
☐ Oil and gas activities for which site reclamation or restoration is part of the permit authorization in Chapter 78 and 78a.
☒ Road maintenance activities.
☐ The repair or maintenance of existing pipelines and utilities.
☐ Other (see §102.14(d)(1))
If exceptions are checked, explain how existing riparian buffer will be undisturbed to the extent practicable. Provide a demonstration that the requirements of §102.14(b) are met, or provide the necessary information to request a riparian buffer waiver.
4. Are you requesting a riparian buffer waiver for this project (see § 102.14(d)(2))? ☒ Yes ☐ No
If yes, indicate below the type of project for which you are requesting a waiver by marking the appropriate box.
☒ Linear project that may include pipelines, public roadways, rail lines, or utility lines.
☒ Project is of a temporary nature where the site will be fully restored to its preexisting conditions during the ESCGP permit term.
☒ Project where compliance with mandatory riparian buffers is not appropriate or feasible due to site characteristics or existing structures at the project site.
☐ Other (see §102.14(d)(2)):
If waivers are checked, explain how existing riparian buffers will be undisturbed to the extent practicable.
Note: If "Yes" to #2 **AND** "No" to #3 and #4, provide an attachment to demonstrate how the requirements of §102.14 are met.

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PCSM) AND/OR SITE RESTORATION(SR) PLAN

See NOI Instructions for additional guidance with PCSM Plans

PCSM/SR BMPs should be designed to use natural measures to eliminate pollution, infiltrate runoff, not require extensive construction/maintenance, promote pollutant reduction, and preserve the integrity of stream channels. All PCSM/SR BMPs proposed in the PCSM/SR Plan must be designed in accordance with Ch. 102, Ch. 78a for unconventional operations, Ch. 78 for conventional operations and the *Pennsylvania Stormwater Best Management Practices Manual (Stormwater BMP Manual)* (363-0300-002). If alternate design criteria are utilized for the proposed project, they must have prior approval by the Department, or the NOI Application will be returned to the Applicant.

After construction is completed, how much of the entire disturbed area will be restored to meadow in good condition or better, or existing conditions? ☐ All ☒ Partial ☐ None

Include PCSM narrative and drawings for remaining impervious area. Also include a map showing the proposed contours of the site restoration plan.

If there are additional stages of the project prior to permit termination or expiration, list the stages and provide the documents required by subsection 'a' to section 'g' for each stage (e.g. partial restoration or changes to the amount of compacted areas, gravel, and/or impervious areas). Upload a narrative for each additional stage in addition to the drawings.

EXAMPLE

Stage No	Stage Name	PCSM Plan	SR Plan
Stage 1		<input type="checkbox"/>	<input type="checkbox"/>
Stage 2		<input type="checkbox"/>	<input type="checkbox"/>
Stage 3		<input type="checkbox"/>	<input type="checkbox"/>
Stage 4		<input type="checkbox"/>	<input type="checkbox"/>

Act 167 Consistency. Check those that apply.

Is there an Act 167 Plan? ☒ Yes ☐ No

☒ The attached PCSM/SR Plan is consistent with an applicable approved Act 167 Plan.

Complete the following for all approved Act 167 Stormwater Management Plans. (Use additional sheets if necessary)

Act 167 Plan Name _____ Date Adopted _____ Consistency Letter Included ☐

Luzerne County Stormwater August 18, 2010 Verification Report Included ☒

Management Ordinance

Valley Creek Watershed Stormwater February 04, 2011

Management Plan

Note: A consistency letter is not required if a verification report is provided. See NOI Instructions. The PCSM/SR Plan must satisfy either sub paragraph 1, 2, or 3 below. Check those that apply.

1. ☒ Act 167 Plan approvals on or after January 2005 – The attached PCSM/SR Plan, in its entirety, is consistent with all requirements pertaining to rate, volume, and water quality from an Act 167 Stormwater Management Plan approved by DEP on or after January 2005. Box 1 must be checked if a current, DEP approved Act 167 plan exists.
2. ☒ The PCSM/SR Plan meets the standard design criteria from sections 102.8(g)(2) and (3) and the *Stormwater BMP Manual*. For projects involving oil and gas activities authorized by a permit issued under Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure, post construction stormwater management requirements are met for all areas that are restored to preconstruction conditions or to a condition of meadow in good condition or better. *[Note: PCSM plans must meet both the volume and rate requirements in the regulations, which are provided in the 2 sections mentioned in this paragraph].*
3. ☐ Alternative Design Standard – The attached PCSM/SR Plan was developed using approaches as provided in 102.8(g)(2)(iv) and 102.8(g)(3)(iii). Demonstrate/explain in the space provided below how this standard will be either more protective than what is required in 102.8(g)(2) and 102.8(g)(3) or will maintain and protect existing water quality and existing and designated uses.

PCSM/SR BMP Alternative Standards:

Has the alternative BMP or design standard been approved by the Department?

☐ Yes

☐ No – Do not submit the ESCGP-3 application and see Section (H) of the NOI Instructions concerning the alternative BMP approval process.

Water Quality Compliance:

Does the PCSM/SR plan comply with requirements for volume control? ☒ Yes ☐ No

If yes, is at least 90% of the disturbed area controlled by a PCSM BMP? ☒ Yes ☐ No

If yes, do you have the Standard PCSM Worksheet # 10 attached to show water quality compliance has achieved?

☒ Yes ☐ No

If no, attach Standard PCSM Worksheets # 12 and #13 to show water quality compliance has achieved.

If PCSM/SR plan is not complying with the requirements for volume control, attach Standard PCSM Worksheets # 11, # 12 and #13 to show water quality compliance has achieved.

a. PCSM/SR Plan Summary

Provide a summary of proposed BMPs and their performance to manage PCSM/SR for the project.

Along the pipeline Right-Of-Way, typical E&S BMPs such as waterbars and erosion control blanket will be left in place as part of site restoration. After construction activities are completed, temporary workspaces will be restored to meadow in good condition or better than existing conditions. For the aboveground facilities, PCSM BMPs such as infiltration basins, diversion channels and vegetated swales will be used and left in place as part of site restoration. Additional information regarding all the proposed BMPs are provided in the Post-Construction Stormwater Management Plans of respective project components (Section 3 of this ESCGP-3 Application).

Check all that apply ☒ PCSM BMPs ☒ SR BMPs

b. Do you have any information regarding riparian buffer which differs from what was submitted in the Section G, Riparian Buffer?

☐ Yes ☒ No

Explain:

c. Thermal Impacts Analysis

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

Runoff collected in PCSM BMPs such as infiltration basins will mitigate thermal impacts from post construction stormwater. Runoff collected in infiltration basins are discharged to receiving waters are not expected to be retained for more than 24 hours. Minimum permanent changes in land cover are being proposed for constructing the pipeline facilities. Gravel will be used for access roads wherever practicable. Removal of trees and riparian vegetation and addition of impervious surfaces will be limited to only that necessary for construction. Once construction activities are complete, disturbed areas will be restored to pre-construction contours and seeded as described in Erosion and Sedimental Control and Site Restoration Plans. Temporary workspaces will be restored back with woody and herbaceous species. Thermal impacts assessments corresponding to each project component including pipelines and aboveground facilities are given in Section 2 and 3 of this ESCGP-3 Application.

d. Off-Site Discharge Analysis.

Does the activity propose any off-site discharges to areas other than surface waters? ☒ Yes ☐ No

If yes, it is the applicant's responsibility to ensure that they have legal authority for any off-site discharge to neighboring properties.

The Applicant must provide a demonstration in both the E&S and PCSM/SR Plans that the discharge will not cause erosion, damage, or a nuisance to off-site properties.

See Offsite Discharge Analysis Sections in PCSM Narratives

NOI Section H. POST CONSTRUCTION STORMWATER MANAGEMENT (PCSM) PLANS

Summary Calculations of Post Construction Stormwater BMPs

1. Regional Energy Lateral Pipeline - MLV-515RA20
2. Regional Energy Lateral Pipeline - MLV-515RA30
3. Regional Energy Lateral Pipeline - Carverton Tie-in
4. Regional Energy Lateral Pipeline - Lower Demunds REL Tie-in
5. Regional Energy Lateral Pipeline – Hildebrandt Tie-in/MLV-515RA40
6. Effort Loop Pipeline - MLV-505LD86
7. Compressor Station 200
8. Compressor Station 515

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - MLV-515RA20 - Zenker Valve Yard

e. Summary Table for Supporting Calculation and Measurement Data
(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Mill Creek			
Volume Control design storm frequency 2-year Rainfall amount 2.95 inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.19	+0.19
Volume of stormwater runoff (acre- feet) without planned stormwater BMPs	0.04	0.06	+0.02
Volume of stormwater runoff (acre- feet) with planned stormwater BMPs		0.03	-0.01
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	3.51	3.22	-0.29
2) 10-Year/24-Hour	6.82	6.17	-0.65
3) 50-year/24-Hour	11.88	11.12	-0.76
4) 100-year/24-Hour	14.91	14.91	-0.00

f. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Vegetated Swale	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input checked="" type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ <u>1,396cf(2-yr);</u> <u>6,186cf(100-yr)</u>	_____ _____ <u>0.28</u>
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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g. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Dry Extended Detention Basin area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Channels to ensure they have been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Dry Extended Detention Basin to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Dry Extended Detention Basin the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. At completion of Collection Channel C1 to ensure it has been constructed to the proposed line and grade, the specified lining material has been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
6. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to Collection Channel C1.
7. For final inspection of constructed BMPs.
8. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL GENERAL PERMIT (ESGCP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR TRANSMISSION FACILITIES

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - MLV-515RA30 - Wyoming Valve Yard

b. Summary Table for Supporting Calculation and Measurement Data (See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Susquehanna-Solomon Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>2.57</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.24	+0.24
Volume of stormwater runoff (acre- feet) without planned stormwater BMPs	0.03	0.06	+0.03
Volume of stormwater runoff (acre- feet) with planned stormwater BMPs		0.03	-0.00
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.22	0.02	-0.20
2) 10-Year/24-Hour	0.68	0.03	-0.65
3) 50-year/24-Hour	1.52	0.06	-1.46
4) 100-year/24-Hour	2.06	0.07	-1.99

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Soil Amendment	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>451cf(2-yr);</u> <u>2,511cf(100-yr)</u> _____ _____ _____ _____	_____ <u>0.21</u> _____ _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input checked="" type="checkbox"/> Other <u>Vegetated Swale</u>	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	 <u>1,009cf(2-yr):</u> <u>4,264cf(100-yr)</u>	 <u>0.49</u>
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Vegetated Swale area has been flagged and fence erected to prevent access to the area.
2. At the beginning of construction of the Vegetated Swale to ensure the infiltration area has not been compacted by construction activities.
3. During construction of the Vegetated Swale the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
4. At completion of Collection Channel C1 to ensure it has been constructed to the proposed line and grade, the specified lining material has been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the infiltration berm.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - Carverton Tie-In

<p align="center">b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i></p> <p>The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Abrahams Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>2.61</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.03	0.11	+0.08
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.02	0.03	+0.01
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.00	-0.02
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.46	0.00	-0.46
2) 10-Year/24-Hour	0.91	0.00	-0.91
3) 50-year/24-Hour	1.61	0.00	-1.61
4) 100-year/24-Hour	2.01	0.00	-2.01

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>1,280cf (2-yr);</u> <u>4,445cf(100-yr)</u>	_____ _____ _____ _____ <u>0.26</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. At the beginning of construction to ascertain the Infiltration Berm area has been flagged and fence erected to prevent access to the area.
2. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the infiltration berm.
3. At the beginning of construction of the Infiltration Berm to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the infiltration berm the licensed professional will observe that the berm is constructed in accordance with the plans and specifications.
5. For final inspection of constructed BMPs.
6. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - Lower Demunds REL Tie-In

<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i></p> <p>The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Toby Creek			
Volume Control design storm frequency 2-year Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.12	+0.12
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.02	0.04	+0.02
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.01	-0.01
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.20	0.00	-0.20
2) 10-Year/24-Hour	0.40	0.00	-0.40
3) 50-year/24-Hour	0.71	0.20	-0.51
4) 100-year/24-Hour	0.89	0.51	-0.38

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>1,481cf(2-yr);</u> <u>4,356cf(100-yr)</u> _____ _____ _____	_____ <u>0.17</u> _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Valve Yard Pad area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Berm/Channel to ensure it has been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Valve Yard Pad to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Valve Yard Pad the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the outlet structure.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline – MLV-515RA40-Hildebrandt Tie-In

b. Summary Table for Supporting Calculation and Measurement Data

(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Toby Creek

Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.0	0.22	+0.22
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.03	0.07	+0.04
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.01	-0.02
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.34	0.20	-0.14
2) 10-Year/24-Hour	0.67	0.38	-0.29
3) 50-year/24-Hour	1.20	0.65	-0.55
4) 100-year/24-Hour	1.52	0.80	-0.72

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Vegetated Swale	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>2,265cf(2-yr);</u> <u>5,881cf(100-yr)</u>	_____ <u>0.21</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____

<input type="checkbox"/> Roadside Vegetated Filter Strips		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Stormwater Energy Dissipaters	Infiltration/Recharge			
<input type="checkbox"/> Level Spreaders		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Riprap Aprons		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Upslope Diversions		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Other _____		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____

d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Valve Yard Pad area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Channel to ensure it has been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Valve Yard Pad to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Valve Yard Pad the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the outlet structure.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Effort Loop Pipeline-MLV-505LD86 Sugar Hollow Valve Yard

b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i> The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.			
Watershed Name: Pohopoco Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.26</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.09	0.62	+0.53
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.35	0.44	+0.09
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.28	-0.07
Stormwater discharge rate for the design frequency storm DA-1	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.01	0.01	-0.00
2) 10-Year/24-Hour	0.37	0.31	-0.06
3) 50-year/24-Hour	5.89	4.21	-1.68
4) 100-year/24-Hour	11.47	8.28	-3.19
Stormwater discharge rate for the design frequency storm DA-2	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	4.51	3.97	-0.54
2) 10-Year/24-Hour	12.49	12.28	-0.21
3) 50-year/24-Hour	26.58	24.35	-2.23
4) 100-year/24-Hour	35.41	31.74	-3.67

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input checked="" type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ <u>1,123cf(2-yr);</u> <u>21,318cf(100-yr)</u> _____ <u>5,915cf(2-yr);</u> <u>26,924cf(100-yr)</u>	_____ _____ <u>2.85</u> _____ <u>1.54</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. For the final grading of the access road, ensuring it is constructed according to the plan details for proper conveyance of runoff.
2. Following final grading and seeding of the diversion channels and basin, in order to confirm they have been constructed according to the plan details for proper collection and conveyance of runoff. Periodic assessments will need to be made to ensure accumulated sediment have been cleaned out so the channels and basin maintain the necessary design volumes.
3. During the layout and excavation of the outlet control structure, the professional or delegate will ensure sizing, materials specifications, and construction procedures are followed to enable proper storage in the basin.
4. Following final grading and seeding of the infiltration berm in order to confirm they have been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessment will need to be made to ensure that accumulated sediment have been cleaned out so the area behind the berm maintains the necessary design volume.
5. For final inspection of constructed channels, basin and berms.
6. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Compressor Station 200

b. Summary Table for Supporting Calculation and Measurement Data

(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Valley Creek

Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.30</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.25	0.40	+0.15
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.07	0.11	+0.04
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.07	-0.00
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	1.03	0.15	-0.88
2) 10-Year/24-Hour	2.06	1.39	-0.67
3) 50-year/24-Hour	3.19	2.79	-0.40
4) 100-year/24-Hour	3.97	3.50	-0.47

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>3,790cf(2-yr);</u> <u>11,631cf(100-yr)</u>	_____ _____ _____ _____ <u>0.56</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Following final grading and seeding of the infiltration berm in order to confirm it has been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessments will need to be made to ensure that accumulated sediment should be cleaned out so the channels and berm maintain necessary design volume.
2. For final inspection of constructed BMPs.
3. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E & S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESGCP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Compressor Station 515

b. Summary Table for Supporting Calculation and Measurement Data

(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Bear Creek

Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.34	2.44	+2.10
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.50	0.81	+0.31
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.18	-0.32
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	5.46	1.76	-3.70
2) 10-Year/24-Hour	10.19	8.30	-1.89
3) 50-year/24-Hour	16.85	9.55	-7.30
4) 100-year/24-Hour	20.81	9.58	-11.23

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>31,799cf(2-yr):</u> <u>96,268cf(100-yr)</u>	_____ _____ _____ _____ <u>3.83</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Following final grading and seeding of the collection channels and infiltration berm in order to confirm they have been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessments will need to be made to ensure that accumulated sediment should be cleaned out so the channels and berm maintain necessary design volume.
2. For final inspection of constructed BMPs.
3. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E & S controls.

SECTION I. ANTIDegradation ANALYSIS

This section must be completed where earth disturbance activities will be conducted in the watershed of a surface water with an existing or designated use of exceptional value or high quality pursuant to Chapter 93 (relating to water quality standards), projects where any part is located in an exceptional value wetland in accordance with 25 Pa. Code § 105.17, and projects where any part is located in the watershed of an impaired surface water where the cause of impairment is identified as siltation.

Part 1 - NONDISCHARGE ALTERNATIVES EVALUATION

The applicant must consider and describe any and all non-discharge alternatives for the entire project area which are environmentally sound and will:

- Minimize accelerated erosion and sedimentation during the earth disturbance activity
- Achieve no net change from pre-development to post-development volume, rate and concentration of pollutants in water quality

E & S Plan	PCSM/SR Plan
<p>Check off the environmentally sound nondischarge Best Management Practices (BMPs) listed below to be used prior to, during, and after earth disturbance activities that have been incorporated into your E & S Plan based on the site analysis. For non-discharge BMPs not checked, provide an explanation of why they were not utilized. Also for BMPs checked, provide an explanation of why they were utilized. (Provide the analysis and attach additional sheets if necessary)</p> <p>See Section 2 of this ESCGP-3 Application</p>	<p>Check off the environmentally sound nondischarge Best Management Practices (BMPs) listed below to be used after construction that have been incorporated into the PCSM/SR Plan based on your site analysis. For non-discharge BMPs not checked, provide an explanation of why they were not utilized. Also for BMPs checked, provide an explanation of why they were utilized. (Provide the analysis and attach additional sheets if necessary)</p> <p>See Section 3 of this ESCGP-3 Application</p>
<p>Nondischarge BMPs</p> <p><input type="checkbox"/> Alternative Siting</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative location</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative configuration</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative location of discharge</p> <p><input checked="" type="checkbox"/> Limited Disturbed Area</p> <p><input type="checkbox"/> Limiting Extent & Duration of Disturbance (Phasing, Sequencing)</p> <p><input type="checkbox"/> Riparian Buffers (150 ft. min.)</p> <p><input type="checkbox"/> Riparian Forest Buffer (150 ft. min.)</p> <p><input type="checkbox"/> Other _____</p>	<p>Nondischarge BMPs</p> <p><input type="checkbox"/> Alternative Siting</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative location</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative configuration</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative location of discharge</p> <p><input type="checkbox"/> Low Impact Development (LID / BSD)</p> <p><input type="checkbox"/> Riparian Buffers (150 ft. min.)</p> <p><input type="checkbox"/> Riparian Forest Buffer (150 ft. min.)</p> <p><input checked="" type="checkbox"/> Infiltration</p> <p><input type="checkbox"/> Water Reuse</p> <p><input type="checkbox"/> Other _____</p>
<p>Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality during construction?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, antidegradation analysis is complete. If no, proceed to Part 2.</p>	<p>Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality after construction?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, antidegradation analysis is complete. If no, proceed to Part 2.</p>

PART 2 - ANTIDEGRADATION BEST AVAILABLE COMBINATION OF TECHNOLOGIES (ABACT)

If the net change in stormwater discharge from or after construction is not fully managed by nondischarge BMPs, the applicant must utilize ABACT BMPs to manage the difference. The Applicant must specify whether the discharge will occur during construction, post-construction or both, and identify the technologies that will be used to ensure that the discharge will be a non-degrading discharge. ABACT BMPs include but are not limited to:

E & S Plan	PCSM/SR Plan
<p><input checked="" type="checkbox"/> Treatment BMPs:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Sediment basin with skimmer <input type="checkbox"/> Sediment basin ratio of 4:1 or greater (flow length to basin width) <input type="checkbox"/> Sediment basin with 4-7 day detention <input type="checkbox"/> Flocculants <input checked="" type="checkbox"/> Compost Filter Socks <input checked="" type="checkbox"/> Compost Filter Sock Sediment Basin <input checked="" type="checkbox"/> RCE w/ Wash Rack <p><input checked="" type="checkbox"/> Land disposal:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Vegetated filters <input type="checkbox"/> Riparian buffers <150ft. <input type="checkbox"/> Riparian Forest Buffer <150ft. <input checked="" type="checkbox"/> Immediate stabilization <p><input checked="" type="checkbox"/> Pollution prevention:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> PPC Plans <input checked="" type="checkbox"/> Street sweeping <input checked="" type="checkbox"/> Channels, collectors and diversions lined with permanent vegetation, rock, geotextile or other non-erosive materials <p><input type="checkbox"/> Stormwater reuse technologies:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Sediment basin water for dust control <input type="checkbox"/> Sediment basin water for irrigation <p><input type="checkbox"/> Other _____</p>	<p><input checked="" type="checkbox"/> Treatment BMPs:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Infiltration Practices <input type="checkbox"/> Wet ponds <input type="checkbox"/> Created wetland treatment systems <input checked="" type="checkbox"/> Vegetated swales <input type="checkbox"/> Manufactured devices <input checked="" type="checkbox"/> Bio-retention/infiltration <input type="checkbox"/> Green Roofs <p><input type="checkbox"/> Land disposal:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Vegetated filters <input type="checkbox"/> Riparian Buffers <150ft. <input type="checkbox"/> Riparian Forest Buffer <150ft. <input type="checkbox"/> Disconnection of roof drainage <input type="checkbox"/> Bio-retention/bio-infiltration <p><input checked="" type="checkbox"/> Pollution prevention:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Street sweeping <input type="checkbox"/> Nutrient, pesticide, herbicide or other chemical application plan alternatives <input checked="" type="checkbox"/> PPC Plans <input checked="" type="checkbox"/> Non-structural Practices <input checked="" type="checkbox"/> Restoration BMPs <p><input type="checkbox"/> Stormwater reuse technologies:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Divert rainwater into impoundment <input type="checkbox"/> Underground storage <p><input type="checkbox"/> Spray/Drip Irrigation</p> <p><input type="checkbox"/> Other _____</p>
<p>Are the ABACT BMPs selected sufficient to minimize E&S discharges to the extent that existing or designated surface water uses are protected?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.</p>	<p>Are the ABACT BMPs selected sufficient to achieve no net change and assure that existing or designated surface water uses are protected?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.</p>

SECTION J. COMPLIANCE HISTORY REVIEW

Is/was the applicant(s) in violation of any Department regulation, order, schedule of compliance or permit or in violation of any department regulated activities within the past five years?

☒ Yes ☐ No

If yes, provide the permit number or facility name, a brief description of the violation, the compliance schedule (including dates and steps to achieve compliance) and the current compliance status. (Attach additional information on a separate sheet, when necessary)

Permit Program or Activity: Chapter 102, Chapter 105, PAG-10

Permit Number (if applicable):

1. ESG03000150001, ESG00350150001, ESG00081150001
2. E41-649
3. E-19-311, E36-947, E-38-195, E40-769, E49-336, E54-360, E58-315, E66-160, E41-667, E18-495,
4. PAG109632

Brief Description of non-compliance:

Consent Assessment of Civil Penalty, Reports past due.

Steps taken to achieve compliance

1. Consent Assessment of Civil Penalty
2. Consent Assessment of Civil Penalty. Permits being obtained to complete channel restoration
3. Consent Assessment of Civil Penalty
4. All past due reports were provided to PADEP

Date(s) compliance achieved



1. 9/20/2020
2. 8/9/2020
3. 9/20/2020
4. 12/14/2017

Current Compliance Status: ☒ In-Compliance ☐ In Non-Compliance

If in non-compliance, attach schedule for achieving compliance.

SECTION K. CERTIFICATION BY PERSON PREPARING E&S AND PCSM/SR PLANS

I do hereby certify to the best of my knowledge, information, and belief, that the Erosion and Sediment Control and PCSM/Site Restoration Plans are true and correct, represent actual field conditions, and are in accordance with the 25 Pa. Code Chapters 78/78a and 102 of the Department's rules and regulations. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Print Name Kevin C. Clark	Signature 	Professional Seal 	
Company BAI Group, LLC			
Address 2525 Green Tech Drive, Suite D, State College, PA-16803			
Phone (814) 238-2060			
Most Recent DEP Training Attended	Location		Date
e-Mail Address kclark@baigroupllc.com			

EXPEDITED REVIEW PROCESS

In addition to the certification required above, applicants using the expedited permit review process must attach an E&S and PCSM/Site Restoration Plans developed and sealed by a licensed professional engineer, surveyor or professional geologist. The plans shall contain the following certification:

I do hereby certify to the best of my knowledge, information, and belief, that the E & S Control and PCSM/SR BMPs are true and correct, represent actual field conditions and are in accordance with the 25 Pa. Code Chapters 78 / 78a and 102 of the Department's rules and regulations. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SECTION L. APPLICANT CERTIFICATION

Applicant Certification

I certify under penalty of law, as provided by 18 Pa. C.S.A. § 4904, that this application and all related attachments were prepared by me or under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my own knowledge and on inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. The responsible official's signature also verifies that the activity is eligible to participate in the ESCGP, and that the applicant agrees to abide by the terms and conditions of the permit. BMP's, E&S Plan, PPC Plan, PCSM Plan, and other controls are being or will be, implemented to ensure that water quality standards and effluent limits are attained.

I grant permission to the agencies responsible for the permitting of this work, or their duly authorized representative to enter the project site for inspection purposes. I will abide by the conditions of the permit if issued and will not begin work prior to permit issuance.

(For individuals no indication of title is necessary, choose the box below. All others proceed to the next paragraph)

☐ **Individual; proceed to signature portion.**

I hereby certify under penalty of law, as provided by 18 Pa. C.S.A. § 4904, that I am the person who is responsible for decision-making regarding environmental compliance functions for Transcontinental Gas Pipeline Company, LLC, the manager of one or more manufacturing, production, or operating facilities of the applicant and am authorized to make management decisions which govern the operation of regulated facility including having explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure the applicant's long term environmental compliance with environmental laws and regulations; and I am responsible for ensuring that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements.

(choose one of the following; not applicable for individuals):

☐ The responsible corporate officer ☐ president ☐ vice president ☐ secretary
☐ treasure of _____ Corporation/Company
Entity name

☒ The ☐ member or ☒ manager of Transcontinental Gas Pipe Line Company, LLC
Entity name

☐ The general partner of _____ partnership/LP/LLP
Entity name

☐ The principal executive officer or ranking elected official of _____ Municipality/State/Federal/other public
agency
Entity name

☐ Power of Attorney/delegation of contractual authority (documentation supporting delegation of contracting
authority must be provided) for _____
Entity name

Print Name and Title of Applicant Print Name and Title of Co-Applicant (if applicable)

Signature of Applicant Signature of Co-Applicant

Date Application Signed Date Application Signed

Notarization

Sworn to and subscribed to before me this
____ day of _____, 20____

Commonwealth of Pennsylvania
County of _____

Notary Public

My Commission expires _____

AFFIX SEAL

SECTION M. ADDITIONAL CONTACT INFORMATION			
Contact's Last Name	First Name	MI	Phone (814) 689-1650
Nelson	Ryan	J	FAX
Mailing Address	City	State	ZIP + 4
2525 Green Tech Drive, Suite B	State College	PA	16803
e-Mail Address ryann@whmgroup.com			

Section 1-1.1 NOI Supporting Information

Project Component	Site	Site Location City	ZIP Code	County	Municipality	Total Project Area/Project Site (Acre)	Total Disturbed Area (Acre)	Latitude / Longitude	U.S.G.S. 7.5 min. Topographic Quadrangle	Receiving Waters	Chapter 93, Designated Use Stream Classification	Chapter 93, Existing Use Stream Classification	Siltation Impaired
Regional Energy Lateral	Pipeline			Luzerne	Buck, Bear Creek, Plains, Jenkins, Kingston, Dallas, Wyoming, West Wyoming, Laflin	952.63	420.67 (includes CS 515 and sites below)	41.173337, -75.671706 (eastern terminus) 41.346917, -75.946263 (western terminus)	Kingston, Pittston, Avoca, Wilkes-Barre East, Pleasant View Summit	Stony Run, Shades Creek, Little Shades Creek, Snider Run, Meadow Run, Bear Creek, Little Bear Creek, Mill Creek, Gardner Creek, Susquehanna River, Abrahams Creek, Toby Creek, Trout Brook	MF, HQ-CWF, WWF, CWF	-	No
	CY-LU-001	Wyoming	18644	Luzerne	Wyoming		16.3 (Included within above total)	41.31016, -75.84636		Abrahams Creek	CWF, MF	-	No
	CY-LU-002	Wilkes-Barre	18702	Luzerne	Laflin		11.4 (Included within above total)	41.28491, -75.79026		Gardner Creek	CWF, MF	-	No
	MLV-515RA20	Wilkes-Barre	18702	Luzerne	Bear Creek Township		0.46 (Included within above total)	41.25279, -75.75856		Mill Creek	CWF, MF	-	No
	MLV-515RA30	Wyoming	18644	Luzerne	Wyoming Borough		0.44 (Included within above total)	41.30411, -75.84662		Susquehanna River	WWF		No
	Carverton Tie-in	Wyoming	18644	Luzerne	West Wyoming Borough		3.9 (Included within above total)	41.32053, -75.87270		Abrahams Creek	CWF, MF		No
	Lower Demunds REL Tie-in	Dallas	18612	Luzerne	Dallas Township		1.7 (Included within above total)	41.34652, -75.94551		Trout Brook	CWF, MF		No
	Hildebrandt Tie-in/MLV-515RA40	Dallas	18612	Luzerne	Dallas Township		3.1 (Included within above total)	41.34692, -75.94629		Toby Creek, Trout Brook	CWF, MF		No
	Laflin Borough Stream Stabilization	Wilkes-Barre	18702	Luzerne	Laflin Borough		0.94 (Included within above total)	41.28925, -75.80209		Gardner Creek	CWF, MF	-	No
Effort Loop	Pipeline			Monroe	Ross, Chestnuthill, Tunkhannock	360.63	262.18	40.896796, -75.370606 (Southeast Terminus) 41.053413, -75.526178 (Northwest Terminus)	Blakeslee, Pocono Pines, Brodheads ville, Saylorsburg	Lake Creek, Princess Run, Weir Creek, McMichael Creek, Pohopoco Creek, Sugar Hollow Creek, Poplar Creek, Mud Run, Mud Pond Run, Tunkhannock Creek	EV, MF, HQ-CWF, CWF	EV, MF	No

Regional Energy Access Expansion Project
ESCGP-3 Permit Application
Transcontinental Gas Pipe Line Company, LLC
Section 1-1.1 NOI Supporting Information

Project Component	Site	Site Location City	ZIP Code	County	Municipality	Total Project Area/Project Site (Acre)	Total Disturbed Area (Acre)	Latitude / Longitude	U.S.G.S. 7.5 min. Topographic Quadrangle	Receiving Waters	Chapter 93, Designated Use Stream Classification	Chapter 93, Existing Use Stream Classification	Siltation Impaired
	MLV-505LD86 Sugar Hollow Valve Yard	Effort	18330	Monroe	Chestnut Hill Township		8.8 (Included within above total)	40.96775, -75.42980		Sugar Hollow Creek	CWF, MF	-	No
	CY-MO-001	Saylorsburg	18353	Monroe	Ross Township		50.1 (Included within above total)	40.89803, -75.36784		Lake Creek, Princess Run	HQ-CWF, MF, CWF	-	No
Delaware River Regulator		Easton	18040	Northampton	Lower Mt. Bethel	11.28	3.25	40.76220 -75.19653	Bangor, PA	Mud Run	CWF, MF	-	No
Mainline “A” Regulator		Washington Crossing	18977	Bucks	Lower Makefield	0.94	0.530	40.26807, -74.85712	Pennington, NJ-PA	Dyers Creek, Delaware River	MF, WWF	-	No
Compressor Station 200		Frazer	19335	Chester	East Whiteland	20.28	3.16	40.04998, -75.58589	Malvern, PA	Valley Creek	EV, MF, CWF	-	Yes
Compressor Station 515		White Haven	18661	Luzerne	Buck	952.63 (Included with Regional Energy Lateral)	24.83 (included with Regional Energy Lateral)	41.17380, -75.67118	Pleasant View Summit, PA	Shades Creek, Stony Run	HQ-CWF, MF	-	No



MUNICIPAL NOTIFICATION OF PLANNED LAND DEVELOPMENT FOR CHAPTER 102 PERMITS

PROJECT INFORMATION (COMPLETED BY APPLICANT)

Applicant Name:	Transcontinental Gas Pipe Line Company, a subsidiary of Williams Partners, L.P.	Contact Name:	Joseph Dean Manager-Permitting
Applicant Address:	2800 Post Oak Blvd, Level 11	Contact Phone:	(713) 215-3427
Applicant City, State, ZIP:	Houston, TX 77056	County:	Luzerne

Description of Proposed Land Development and Stormwater Controls:	Municipality: Dallas
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The Regional Energy Lateral component of the Regional Energy Access Expansion Project will consist of approximately 22.3 miles of 30-inch diameter pipeline, partially co-located with existing Transco Leidy Line-A, in Buck, Bear Creek, Plains, Jenkins, Kingston and Dallas Townships, and Laffin, Wyoming, and West Wyoming Boroughs, Luzerne County, Pennsylvania. The Regional Energy Lateral begins at existing Compressor Station 515 in Buck Township and continues westward to its terminus at Transco's existing Hildebrandt Tie-in in Dallas Township. Transco will be installing four mainline valves with appurtenant equipment, as a means to isolate gas flows along the Regional Energy Lateral. The mainline valve sites at each pipeline terminus (MLV515RA10 at Compressor Station 515 and MLV515RA40 at the Hildebrandt Tie-in) will also have pig traps (industry term for manifolds that launch or receive in-line inspection tools). The other two valve sites are proposed along the pipeline route (MLV515RA20 at Milepost 7.5 and MLV515RA30 at Milepost 14.8). Modifications at three existing pipeline interconnects are proposed to tie-in the proposed pipeline to the existing facilities. The Carverton Tie-In is located at Milepost 16.8. The Lower Demunds Tie-In is located at Milepost 22.3 and also includes a +/- 400-ft segment of 20-in pipeline to connect to the existing facility. The Hildebrandt Tie-In is located at the Regional Energy Lateral pipeline terminus and includes MLV515RA40. Two contractor yards are proposed for the Project and are located adjacent to the pipeline. CY-LU-001 is located at Milepost 15.3 and CY-LU-002 is located at Milepost 10.5. Cathodic protection equipment will be installed along the pipeline route. Deep anode ground beds are proposed at Mileposts 7.5 and 19.8, and one remote anode ground bed is proposed at Milepost 15.3. E&S and PCSM BMP's are proposed within Dallas Township, with PCSM BMP's proposed at the Lower Demunds Tie-In and MLV515RA40 sites.

Project Area:	63.18	acres	<input type="checkbox"/> Phased
Disturbance:	28.86	acres	

Tax Parcel ID(s) Affected by Proposed Land Development:

See attached table

Surface Waters Receiving Stormwater Discharges:

Toby Creek, Trout BrookDischarge to: ☐ MS4 ☐ Other SS ☐ CSS

The following information was submitted to the municipality for this project:

☐ Land Development / Subdivision Plan
 ☒ E&S Plan
 ☒ PCSM Plan
 ☐ Other:

***On March 31, 2021 Transco submitted to you its E&S and PCSM Plans (Plans) as part of the ESCGP-3 permit application notification. The purpose of this notice is to let you know that Transco will be submitting an Erosion and Sediment Control Permit for Discharges of Stormwater Associated with Construction Activities Application to the PA Dept. of Environmental Protection to replace the ESCGP-3 application. Please refer to the previously submitted Plans.**

MUNICIPAL PLAN / ORDINANCE INFORMATION (COMPLETED BY MUNICIPALITY)

1. Is there an adopted municipal or multi-municipal comprehensive plan? ☐ Yes ☐ No
2. Is there an enacted municipal or multi-municipal zoning ordinance? ☐ Yes ☐ No
3. If Yes to #2, is the proposed project consistent with the ordinance? ☐ Yes ☐ No
4. Is there a municipal stormwater management ordinance? ☐ Yes ☐ No
5. If Yes to #4, is the proposed project consistent with the ordinance, without waiver? ☐ Yes ☐ No
6. If Yes to #4, indicate type of ordinance: ☐ Act 167 Model Ordinance ☐ DEP Model Ordinance (MS4s) ☐ Other


APPLICANT CERTIFICATION

I certify under penalty of law (see 18 Pa.C.S. § 4904 (relating to unsworn falsification)) that the information reported herein was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the information, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

MUNICIPAL ACKNOWLEDGEMENT

The municipality acknowledges that a permit application for the above-referenced project has been submitted to a reviewing agency and that notification requirements of Act 14 of 1984 and Acts 67, 68, and 127 of 2000 have been satisfied. The information reported herein by the municipality is true and accurate. The municipality reserves the right to comment to the reviewing agency relative to comprehensive plans, zoning, and stormwater ordinance consistency. Municipal acknowledgment of receipt of notification shall not be construed as project approval.

Joseph Dean

Applicant Name**Applicant Signature**

Manager - Permitting

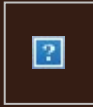
Applicant Title

07/01/2021

Date of Signature**Municipal Representative Name****Municipal Representative Signature****Municipal Representative Title****Date of Signature**

[illegible]

From: [UPS](#)
To: SFOX@WHMGROUP.COM
Subject: UPS Delivery Notification, Tracking Number 1Z8797VV0399390271
Date: Wednesday, July 7, 2021 1:27:14 PM



Hello, your package has been delivered.

Delivery Date: Wednesday, 07/07/2021

Delivery Time: 1:26 PM

Left At: RECEIVER

Signed by: CARL

WHM CONSULTING, INC

Tracking Number:	1Z8797VV0399390271
Ship To:	DALLAS TOWNSHIP SUPERVISORS 105 LT. MICHAEL CLEARY DRIVE DALLAS, PA 18612 US
Number of Packages:	1
UPS Service:	UPS Ground
Package Weight:	1.0 LBS
Reference Number:	WILLIAMS-20-244, TASK 2C



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March 31, 2021

UPS TRACKING (1Z8797VV039788235)

Dallas Township Supervisors
105 Lt. Michael Cleary Dr.
Dallas, PA 18612

Re: Regional Energy Access Expansion Project– Regional Energy Lateral and Compressor Station 515
Pennsylvania Acts 14, 67, 68, and 127 Notification
Dallas Township, Luzerne County, Pennsylvania

Dear Township Supervisors:

This municipal notice, under the requirements of Act 14, 97 P.S. § 510-5, is to inform you that Transcontinental Gas Pipe Line Company, LLC (Transco), a subsidiary of The Williams Companies, Inc. (Williams) is applying for coverage under the Erosion and Sediment Control General Permit (ESCGP-3) for Earth Disturbance Associated with Oil & Gas Exploration, Production, Processing or Treatment Operations or Transmission Facilities from the Pennsylvania Department of Environmental Protection (DEP).

1) Project Name: Regional Energy Access Expansion Project – Regional Energy Lateral and Compressor Station 515

2) Project Description: Transco, indirectly owned by The Williams Companies, Inc. (Williams), is seeking authorization from the Federal Energy Regulatory Commission (FERC or Commission) under Section 7(c) of the Natural Gas Act and Part 157 of the Commission's regulations, to construct, own, operate, and maintain the proposed Project facilities. The Project is an expansion of Transco's existing natural gas transmission system that will enable Transco to provide an incremental 829,400 dekatherms per day (Dth/d) of year-round firm transportation capacity from the Marcellus Shale production area in northeastern Pennsylvania (PA) to multiple delivery points along Transco's Leidy Line in PA, Transco's mainline at the Station 210 Zone 6 Pooling Point in Mercer County, New Jersey (NJ) and multiple delivery points in Transco's Zone 6 in NJ, PA, and Maryland (MD).

The Regional Energy Lateral component of the Project will consist of approximately 22.3 miles of 30-inch diameter pipeline, partially co-located with existing Transco Leidy Line-A, in Buck, Bear Creek, Plains, Jenkins, Kingston and Dallas Townships, and Laflin, Wyoming, and West Wyoming Boroughs, Luzerne County, Pennsylvania. The Regional Energy Lateral begins at existing Compressor Station 515 in Buck Township and continues westward to its terminus at Transco's existing Hildebrandt Tie-in in Dallas Township. Transco will be installing four mainline valves with appurtenant equipment, as a means to isolate gas flows along the Regional Energy Lateral. The mainline valve sites at each pipeline terminus (MLV515RA10 at Compressor Station 515 and MLV515RA40 at the Hildebrandt Tie-in) will also have pig traps (industry term for manifolds that launch or receive in-line inspection tools). The other two valve sites are proposed along the pipeline route (MLV515RA20 at Milepost 7.5 and MLV515RA30 at Milepost 14.8). Modifications at three existing pipeline interconnects are proposed to tie-in the proposed pipeline to the existing facilities. The Carverton Tie-In is located at Milepost 16.8. The Lower Demunds Tie-In is located at Milepost 22.3 and also includes a +/- 400-ft segment of 20-in pipeline to connect to the existing facility. The Hildebrandt Tie-In is located at the Regional Energy Lateral pipeline terminus and includes MLV515RA40. Two contractor yards are proposed for the Project and are located adjacent to the pipeline. CY-LU-001 is located at Milepost 15.3 and CY-LU-002 is located at Milepost 10.5. Cathodic protection equipment will be installed along the pipeline route. Deep anode ground beds are proposed at Mileposts 7.5 and 19.8, and one remote anode ground bed is proposed at Milepost 15.3.

The existing Compressor Station 515 component of the Project is located at the eastern terminus of the Regional Energy Lateral in Buck Township, Luzerne County. Proposed at this facility is the addition of two gas-fired turbine driven compressor units with 63,742 nominal HP at ISO conditions and modification of three existing compressors to support the Project and to accommodate the abandonment and replacement of approximately 17,000 HP from five existing gas-fired reciprocating engine driven compressors and increase the certificated station compression by 46,742 HP. One Mainline Valve will be installed at this facility (MLV515RA10).

3) Applicant Name: Transcontinental Gas Pipe Line Company, LLC's (Transco), a subsidiary of Williams Partners L.P. (Williams)

4) Applicant Contact: Joseph Dean
Manager, Permitting
2800 Post Oak Blvd, Level 11
Houston, TX 77056
(713) 215-3427

5) Site Location: The proposed Project is located on the Kingston, Pittston, Wilks-Barre East, Pleasant View Summit, Pennsylvania, 7.5 Minute USGS quadrangle. The Project is partially co-located with an existing pipeline right-of-way. The eastern terminus of the Regional Energy Lateral is located at: 41°10'24.037" 75°40'18.141"W, and is also the location of Compressor Station 515. The western pipeline terminus: 41°20'48.869"N, 75°56'46.642"W.

6) Municipality / County: Buck, Bear Creek, Plains, Jenkins, Kingston, and Dallas Townships, Wyoming, West Wyoming, and Laflin Boroughs, Luzerne County

Act 14, which amended the Commonwealth's Administrative Code (71 P.S. § 510-5), requires every applicant for a new, amended, or revised permit to give written notice to each municipality (borough, township) and county government in which the facility is located. The municipality and county government must receive the written notice at least thirty (30) - days before DEP may issue or deny approval of coverage.

Enclosed is a complete copy of the Notice of Intent (NOI) completed for the project as well as copies of the erosion and sediment control plan and post construction stormwater management plans.

Sincerely,

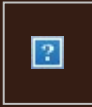


Ryan J. Nelson, PWS
WHM Consulting, LLC

Enclosures:

NOI Form
Erosion and Sediment Control Plan Drawings
Post Construction Stormwater Management Plan Drawings

From: [UPS](#)
To: SFOX@WHMGROUP.COM
Subject: UPS Delivery Notification, Tracking Number 1Z8797VV0394788235
Date: Thursday, April 1, 2021 1:05:00 PM



Hello, your package has been delivered.

Delivery Date: Thursday, 04/01/2021

Delivery Time: 01:02 PM

Left At: DOCK

Signed by: CARL

WHM CONSULTING, INC

Tracking Number:	1Z8797VV0394788235
Ship To:	DALLAS TOWNSHIP SUPERVISORS 105 LT. MICHAEL CLEARY DRIVE DALLAS, PA 18612 US
Number of Packages:	1
UPS Service:	UPS Ground
Package Weight:	4.0 LBS
Reference Number:	WILLIAMS 20-244, TASK 2C



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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF WATER PROGRAMS
OFFICE OF OIL AND GAS MANAGEMENT

OFFICIAL USE ONLY

ID # T _____
 Date Received _____
 AUTH _____
 SITE _____
 CLNT _____
 APS _____
 Fee _____
 Check No. _____
 Check Date _____

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT
CONTROL GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH
OIL AND GAS EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT
OPERATIONS OR TRANSMISSION FACILITIES**

READ THE INSTRUCTIONS PROVIDED IN THIS PERMIT APPLICATION PACKAGE BEFORE COMPLETING THIS FORM. PLEASE PRINT OR TYPE INFORMATION IN BLACK OR BLUE INK.

SECTION A. APPLICATION TYPE

Check one:

NEW ☒ **RENEWAL** ☐ **MAJOR MODIFICATIONS (Provide ESCGP number)** ☐

PHASED ☐ (check only if applicable; *note: Most projects are not submitted as phased projects*)

Check one: EXPEDITED ☐ **STANDARD** ☒

If an Expedited Review Process being requested, be advised that the Expedited Review is not available for all projects. Refer to Section D - Expedited Review Process of the ESCGP-3 NOI Instructions to determine if the project is eligible.

SECTION B. CLIENT INFORMATION

Applicant's Last Name (If applicable)	First Name	MI	Telephone No.
Organization Name or Registered Fictitious Name Transcontinental Gas Pipe Line Company, LLC (Contact: Joseph Dean)			Telephone No. (713) 215-3427
DEP Client ID No.			
Headquarters Mailing Address 2800 Post Oak Blvd, Level 11	City Houston	State TX	ZIP Code 77056
Email Address Joseph.Dean@williams.com			
Co-Applicant's Last Name (If applicable)	First Name	MI	Telephone No.
Organization Name or Registered Fictitious Name 			Telephone No.

Address	City	State	ZIP Code
Email Address			

SECTION C. SITE INFORMATION					
Is there an existing ESCGP associated with this site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, Permit No. _____					
Has a well permit application been submitted for this site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, Permit No. _____					
Does this site have a 911 address? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, <u>provide site location address.</u>					
Site Name Regional Energy Access Expansion Project					
Site Location See Attachment 1-1.1- NOI Supporting Information			Site No. (if another permit has been issued for the site)		
Site Location – City See Attachment 1-1.1- NOI Supporting Information				State PA	ZIP Code
Detailed Written Directions to Site See Attachment 1-1.1- NOI Supporting Information for locations of all project sites					
Primary Location	County Luzerne, Northampton, Bucks, Chester, and Monroe	Municipality Buck, Bear Creek, Plains, Jenkins, Kingston, Lower Mt. Bethel, Ross, Chestnut Hill, Tunkhannock, Lower Makefield, East Whiteland and Dallas Townships Wyoming, West Wyoming, and Laflin Boroughs	City <input type="checkbox"/>	Boro <input checked="" type="checkbox"/>	Twp. <input checked="" type="checkbox"/>
SECTION D. EXPEDITED REVIEW					
I. Expedited Review Eligibility					
1. Is any part of the project in the watershed of a surface water with an existing or designated use of exceptional value or high quality pursuant to Chapter 93 (relating to water quality standards), in an exceptional value wetland in accordance with 25 Pa. Code § 105.17, or in the watershed of an impaired surface water where the cause of the impairment is identified as siltation?			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
2. Will the project in which the well pad will be constructed be in or on a floodplain?			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
3. Is any earth disturbance located or proposed to be located on land known to be contaminated by the release of regulated substances as defined in Section 103 of Act 2, 35 P.S. § 6026.103?			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
4. Will naturally occurring geologic formations or soil conditions provide hazards to the project or surrounding environment or have the potential to cause or contribute to pollution when disturbed?			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
5. Do any unresolved non-compliance issues exist with the applicant or the facility?			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
6. Is the project a transmission project?			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

<p>If yes to any of the above questions the project is not eligible for Expedited Review; If the project is eligible for Expedited Review, all the following items must be completed.</p>	
<p>II. Expedited Review Process</p>	
1. Is the technically and administratively complete and accurate NOI package prepared and certified by a licensed professional?	<input type="checkbox"/> Yes <input type="checkbox"/> No
2. Are E&S and PCSM/Site Restoration Plan drawings and narrative prepared and sealed by a licensed professional? <i>(Include interim restoration details when needed)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No
3. Include a Resource Delineation Report and answer the following questions: (If the answer to question a. is "Yes" then skip to #4. If the answer to a. is "No" the applicant must answer "Yes" to at least one of the questions, b. through d. to be eligible for expedited review.)	
a. Were all wetland resources delineated during the growing season?	<input type="checkbox"/> Yes <input type="checkbox"/> No
b. If not during the growing season, was a follow-up visit conducted during the growing season to verify/adjust boundaries and look for potentially missed resources?	<input type="checkbox"/> Yes <input type="checkbox"/> No
c. Was a quality assurance field review conducted at a later date by an independent qualified wetland professional to verify boundaries and look for potentially missed resources? (If yes, attach Quality Assurance Field Review Report)	<input type="checkbox"/> Yes <input type="checkbox"/> No
d. Was a Jurisdictional Determination (JD) or Preliminary JD conducted by the US Army Corps of Engineers on the whole project? (If yes, attach Preliminary or Jurisdictional Determination Report)	<input type="checkbox"/> Yes <input type="checkbox"/> No
4. If applicable, have you included PNDI clearance letters or other documentation from applicable resource agencies?	<input type="checkbox"/> Yes <input type="checkbox"/> No
5. If the project site contains, is along, or within 100 feet of a river, stream, creek, lake, pond or reservoir, will you establish new or preserve existing riparian forest buffer at least 100 feet in width between the top of streambank or normal pool elevation of a lake, pond or reservoir and areas of earth disturbances. If no, will a waiver be obtained? <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
6. Name of Licensed Professional	
Company	
Address	
Phone	

SECTION E. PROJECT INFORMATION																	
1. Total Project Area/Project Site (Ac):	1,346 (Also see Attachment 1-1.1)	Total Disturbed Area (Ac):	689.8 (Also see Attachment 1-1.1)														
Increased disturbed acreage <i>(for permit modification only)</i>																	
Fee: <i>(For additional information regarding fees, refer to NOI Instructions #3 Permit NOI Filing Fees.)</i>			\$ \$500 (Filing Fee), \$69,000 (Disturbed Acre Fee)														
2. Project Name: Regional Energy Access Expansion Project																	
3. Project Type (Check all that apply) <table border="0" style="width: 100%;"> <tr> <td><input type="checkbox"/> Oil/Gas Well ¹</td> <td><input checked="" type="checkbox"/> Transmission Facility</td> </tr> <tr> <td><input type="checkbox"/> Gathering Facility</td> <td><input type="checkbox"/> Processing Facility</td> </tr> <tr> <td><input type="checkbox"/> Treatment Facility</td> <td><input type="checkbox"/> Well Development Impoundment</td> </tr> <tr> <td><input checked="" type="checkbox"/> Compressor Station</td> <td><input type="checkbox"/> Non-FERC regulated Transmission Facility</td> </tr> <tr> <td><input checked="" type="checkbox"/> Pipeline</td> <td><input type="checkbox"/> Ground/Surface Water Withdrawal Site</td> </tr> <tr> <td><input type="checkbox"/> Storage Field Facility</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Other</td> <td></td> </tr> </table>				<input type="checkbox"/> Oil/Gas Well ¹	<input checked="" type="checkbox"/> Transmission Facility	<input type="checkbox"/> Gathering Facility	<input type="checkbox"/> Processing Facility	<input type="checkbox"/> Treatment Facility	<input type="checkbox"/> Well Development Impoundment	<input checked="" type="checkbox"/> Compressor Station	<input type="checkbox"/> Non-FERC regulated Transmission Facility	<input checked="" type="checkbox"/> Pipeline	<input type="checkbox"/> Ground/Surface Water Withdrawal Site	<input type="checkbox"/> Storage Field Facility		<input type="checkbox"/> Other	
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<input checked="" type="checkbox"/> Pipeline	<input type="checkbox"/> Ground/Surface Water Withdrawal Site																
<input type="checkbox"/> Storage Field Facility																	
<input type="checkbox"/> Other																	
¹ If Oil/Gas Well; is the well conventional or unconventional? <input type="checkbox"/> Conventional <input type="checkbox"/> Unconventional																	

Project Description

Transco, indirectly owned by The Williams Companies, Inc. (Williams), is seeking authorization from the Federal Energy Regulatory Commission (FERC or Commission) under Section 7(c) of the Natural Gas Act and Part 157 of the Commission's regulations, to construct, own, operate, and maintain the proposed Project facilities

The Project is an expansion of Transco's existing natural gas transmission system that will enable Transco to provide an incremental 829,400 dekatherms per day (Dth/d) of year-round firm transportation capacity from the Marcellus Shale production area in northeastern Pennsylvania (PA) to multiple delivery points along Transco's Leidy Line in PA, Transco's mainline at the Station 210 Zone 6 Pooling Point in Mercer County, New Jersey (NJ) and multiple delivery points in Transco's Zone 6 in NJ, PA, and Maryland (MD). The Project will consist of the following components:

- Approximately 22.3 miles of 30-inch-diameter pipeline partially collocated with Transco's Leidy Line A from milepost (MP) 0.00 to MP 22.32 in Luzerne County, PA (Regional Energy Lateral);
 - Approximately 13.8 miles of 42-inch-diameter pipeline collocated with Transco's Leidy Line System from MP 43.72 to MP 57.50 in Monroe County, PA (Effort Loop);
 - New gas-fired turbine driven compressor station identified as Compressor Station 201 with 11,107 nominal horsepower (HP) at International Organization of Standardization (ISO) conditions in Gloucester County, NJ;
 - Addition of two gas-fired turbine driven compressor units with 31,800 nominal HP at ISO conditions at existing Compressor Station 505 in Somerset County, NJ, to accommodate the abandonment and replacement of approximately 16,000 HP from eight existing internal combustion engine-driven compressor units and increase the certificated station compression by 15,800 HP;
 - Addition of two gas-fired turbine driven compressor units with 63,742 nominal HP at ISO conditions and modification of three existing compressors at existing Compressor Station 515 in Luzerne County, PA to support the Project and to accommodate the abandonment and replacement of approximately 17,000 HP from five existing gas-fired reciprocating engine driven compressors and increase the certificated station compression by 46,742 HP;
 - Uprate and rewheel two existing electric motor-driven compressor units at existing Compressor Station 195 in York County, PA to increase the certificated station compression by 5,000 HP and accommodate the abandonment of two existing gas-fired reciprocating engine driven compressors which total approximately 8,000 HP of compression;
 - Modifications at existing Compressor Station 200 in Chester County, PA;
 - Uprate one existing electric motor-driven compressor unit at Compressor Station 207 in Middlesex County, NJ to increase the certificated station compression by 4,100 HP;
 - Modifications to three (3) existing pipeline tie-ins in PA (Hildebrandt Tie-in, Lower Demunds REL Tie-in, and Carverton Tie-in);
 - Addition of regulation controls at an existing valve setting on Transco's Mainline "A" in Bucks County, PA (Mainline A Regulator);
 - Modifications at the existing Delaware River Regulator in Northampton County, PA;
 - Modifications at the existing Centerville Regulator in Somerset County, NJ;
 - Modifications to the existing valves and piping at the Princeton Junction (Station 210 Pooling Point) in Mercer County, NJ;
 - Modifications to three (3) existing delivery meter stations in NJ (Camden M&R Station, Lawnside M&R Station, and Mt. Laurel M&R Station);
 - Modifications to one (1) existing delivery meter station in MD (Beaver Dam M&R Station);
 - Contractual changes (no modifications) at ten (10) existing delivery meter stations in PA and NJ (Algonquin-Centerville Meter Station, Post Road Meter Station, New Village Meter Station, Spruce Run Meter Station, Marcus Hook Meter Station, Ivyland Meter Station, Repaupo Meter Station, Morgan Meter Station, Lower Mud Run Meter Station, and Chesterfield Meter Station);
 - Additional ancillary facilities, such as mainline valves (MLVs), cathodic protection, communication facilities, and internal inspection device (e.g., pig) launchers and receivers in PA; and
 - Existing, improved, and new access roads and contractor yards/staging areas in PA, NJ, and MD.
- Provide the date of pre-application meeting (if conducted with the Department) 04/27/20, 07/09/20, 09/04/20, 09/30/20, 12/15/20, 12/16/20, 01/06/21, 02/05/21

4. Provide the latitude and longitude coordinates for the center of the project. The coordinates should be in Decimal degrees and North American Datum 1983. The coordinates must meet the current DEP policy regarding locational accuracy. For linear projects provide the project's termini. See Attachment 1-1.1

Latitude (DD) . Latitude (DD) . Horizontal Collection Method: <input type="checkbox"/> GPS <input checked="" type="checkbox"/> Interpolated from U.S.G.S. Topographic Map <input type="checkbox"/> DEP's eMAP	Longitude (DD) - . Longitude (DD) - .				
5. U.S.G.S. 7.5 min. topographic quadrangle Name (See Attachment 1-1.1) <i>(Include a copy of the project area on the 7.5 min quad map)</i>					
6. Will the project be conducted as a phased permit project? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Include Master Site Plan Estimated Timetable for Phased Projects. <input type="checkbox"/> Additional sheet(s) attached.					
Phase No. or Name	Description	Total Area	Disturbed Area	Start Date	End Date
7. List existing and previous land use for a minimum of the previous 5 years. (See Section 2 of this ESCGP-3 Application)					
8. Other Pollutants: Will the stormwater discharge contain pollutational substances other than sediment? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
9. Will fuels, chemicals, solvents, other hazardous waste or materials be used or stored on site during earth disturbance activities or will Horizontal Directional Drilling (HDD) activities be conducted? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If yes, Preparedness, Prevention and Contingency (PPC) Plan must be maintained on site during earth disturbance. See NOI Instructions, E.9 PPC Plan Guidance for further information.)</i>					
10. Is the project in the watershed of an impaired surface water where the cause of the impairment is identified as siltation? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (See Section 2-5 of this ESCGP-3 Application) <i>(If yes, show how the project will not result in a net change in volume, rate or water quality. See section I below, and E.10 of NOI instructions.)</i>					
11. Are there potentially hazardous naturally occurring geological or soil conditions in any portion of the project or surrounding area? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, do the potentially hazardous geologic or soil conditions have the potential to cause or contribute to pollution as a result of the proposed earth disturbance activities? If no, provide an explanation. If yes, Geologic Hazard Mitigation Plan must be attached and explain where in this application details are provided.					
12. Has the Act 14 Municipal Notification and proof of receipt of notification been attached to the NOI? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If not, the NOI is not complete, see E.12 and #4 Municipal Notification in the NOI Instructions for additional guidance.)</i>					
13. Has the PNDI receipt been attached to the NOI? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If not, the NOI is not complete, see E.13 and #5 PNHP in the NOI Instructions for additional guidance.)</i>					
14. Have the E&S Plan and PCSM/SR Plan been planned and designed to be consistent? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
15. Have existing and/or proposed Riparian Forest Buffers been identified? Yes <input checked="" type="checkbox"/> N/A <input type="checkbox"/> <i>(If yes, they must be shown on the E&S Plan as well as the PCSM/SR Plans.)</i>					
16. Have antidegradation implementation requirements for special protection waters been addressed? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> <i>(If yes, antidegradation requirements must be included in the plan.)</i>					

17. Has the seasonal high groundwater level been identified and 20-inch separation established at all excavation locations for pits for conventional operations and Well Development Impoundments for unconventional operations?

Yes ☐ No ☐ N/A ☒

<p>18. Receiving Waters</p> <u>Effort Loop-</u> <u>Lake Creek (HQ-CWF,MF)</u> <u>Princess Run (CWF,MF)</u> <u>Weir Creek (CWF,MF)</u> <u>McMichael Creek (EV, MF) and</u> <u>(HQ-CWF)</u> <u>Pohopoco Creek (CWF,MF)</u> <u>Sugar Hollow Creek (CWF,MF)</u> <u>Poplar Creek (EV,CWF,MF)</u> <u>Mud Run (HQ-CWF, MF)</u> <u>Mud Pond Run (HQ-</u> <u>CWF,EV,MF)</u> <u>Tunkhannock Creek (HQ-</u> <u>CWF,MF)</u> <u>Regional Energy Lateral-</u> <u>Stony Run (HQ-CWF,MF)</u> <u>Shades Creek (HQ-CWF,MF)</u> <u>Little Shades Creek (HQ-</u> <u>CWF,MF)</u> <u>Snider Run (HQ-CWF,MF)</u> <u>Meadow Run (HQ-CWF,MF)</u> <u>Bear Creek (HQ-CWF,MF)</u> <u>Little Bear Creek (HQ-</u> <u>CWF,MF)</u> <u>Mill Creek (CWF,MF)</u> <u>Gardner Creek (CWF,MF)</u> <u>Susquehanna River (WWF,MF)</u> <u>Abrahams Creek (CWF,MF)</u> <u>Toby Creek (CWF,MF)</u> <u>Trout Brook (CWF,MF)</u> <u>Compressor Station 515-</u> <u>Shades Creek (HQ-CWF,MF)</u> <u>Stony Run (HQ-CWF,MF)</u> <u>Compressor Station 200-</u> <u>Valley Creek (EV,MF)</u> <u>Delaware River Regulator-</u> <u>Mud Run (CWF, MF)</u> <u>Mainline "A" Regulator -</u> <u>Dyers Creek (WWF,MF)</u> <u>See Attachment 1-1.1 for</u> <u>detailed list.</u>	<p>Chapter 93, Designated Use Stream Classification</p> <input checked="" type="checkbox"/> HQ <input checked="" type="checkbox"/> EV <input checked="" type="checkbox"/> Other <u>CWF, MF, WWF</u> <input checked="" type="checkbox"/> Siltation-impaired	<p>Chapter 93, Existing Use Stream Classification</p> <input type="checkbox"/> HQ <input checked="" type="checkbox"/> EV <input checked="" type="checkbox"/> Other <u>MF</u> <input type="checkbox"/> Siltation-impaired
	<p><input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____</p> <input type="checkbox"/> Siltation-impaired	<p><input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____</p> <input type="checkbox"/> Siltation-impaired

	<input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired <input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired	<input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired <input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired
Secondary Receiving Water	Secondary Chapter 93, Designated Use	Secondary Existing Use
Name of Municipal or Private Separate Storm Sewer Operator, if applicable.		
Non-Surface Receiving Water: (include off-site discharges)		

SECTION F. EROSION AND SEDIMENT CONTROL (E&S) PLAN
See the attached Instructions for additional guidance with E&S Plans

Erosion and Sediment Control Plan BMPs should be designed to minimize accelerated erosion and sedimentation through limiting the extent and duration of earth disturbance, protection of existing drainage and vegetation, limiting soil compaction and controlling the generation of increased runoff. The Department recommends the use of the *Pennsylvania Erosion & Sedimentation Pollution Control Program Manual (E&S Manual)* (363-2134-008) to achieve this goal. The E&S Plan must meet the requirements of Pa. Code § 102.4(b) and submitted with the NOI. Also, see section 2. of the NOI instruction for detailed information on completing the E&S plan and additional requirements.

a. E&S Plan Summary

Provide a summary of proposed E&S BMPs and their performance to manage E&S for the project.

Typical BMPs provided along the pipeline Right-Of-Way includes waterbars, trench plugs, compost filter socks, compost sediment traps, rock filter outlets, erosion control blankets, rock construction entrances, temporary equipment bridges, timber mats, diversion channels, level spreaders, mulch and seed. An appropriate sediment removal device (filter bag, dewatering structure) and well-vegetated area will be utilized for trench dewatering. In HQ, EV watersheds, appropriate Antidegradation Best Available Combination of Technologies (ABACT) BMPs will be utilized. Additional information regarding all the proposed BMPs are provided in the Erosion and Sedimentation Control and Site Restoration Plans of respective project components (Section 2 of this ESCGP-3 Application).

b. E&S Plan BMP Design

Check those that apply:

- ☒ E&S Plan is designed using BMPs in the *E&S Manual*.
- ☐ E&S Plan is designed using an alternative BMP or design standard approved by DEP.

Note: NOI packages submitted with alternate BMPs not approved by the Department will be returned to the Applicant.

c. Do you have any information regarding riparian buffer which differs from Section G, Riparian Buffer?

Yes ☐ No ☒

Explain:

d. Thermal Impacts Analysis

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

Thermal impacts associated with Regional Energy Access Expansion Project will be avoided to the maximum extent possible. Minimum permanent changes in land cover are being proposed for constructing the pipeline facilities. Runoff from impervious areas added during the project will be suitably routed to Stormwater BMPs. Gravel will be used for access roads wherever practicable. To avoid thermal impacts arising from clearing and grading, removal of vegetation will be limited to only that necessary for construction and construction Right-Of-Way will be limited to 75 feet in wetlands and floodways where practical. Once construction activities are complete, disturbed areas will be restored to pre-construction contours and seeded as described in Erosion and Sediment Control and Site Restoration Plans. Temporary workspaces will be restored back with woody and herbaceous species. Thermal impacts assessments corresponding to each project component including pipelines and aboveground facilities are given in Section 2 and 3 of this ESCGP-3 Application.

e. Off-Site Discharge Analysis

Does the activity propose any off-site discharges to areas other than surface waters? ☒ Yes ☐ No

If yes, it is the applicant's responsibility to ensure that they have legal authority for any off-site discharge to neighboring properties.

The applicant must provide a demonstration in both E&S and PCSM/SR plans that the discharge will not cause erosion, damage, or a nuisance to off-site properties.

See Offsite Discharge Analysis Sections in E&S Narratives

SECTION G. RIPARIAN BUFFER

1. Will you be protecting, converting or establishing a voluntary riparian forest buffer as part of this project?
☐ Yes ☒ No
If yes, as part of the PCSM/SR Plan, provide a Buffer Management Plan.
2. Will proposed earth disturbance activities be conducted in an EV or HQ watershed AND within 150 feet of a perennial or intermittent river, stream, or creek, or lake, pond, or reservoir? ☒ Yes ☐ No
If no, proceed to the next section/module.
3. Does this project qualify for an exception (see § 102.14(d)(1))? ☒ Yes ☐ No
If yes, indicate below the type of project for which the exception applies by marking the appropriate box.
☐ Oil and gas activities for which site reclamation or restoration is part of the permit authorization in Chapter 78 and 78a.
☒ Road maintenance activities.
☐ The repair or maintenance of existing pipelines and utilities.
☐ Other (see §102.14(d)(1))
If exceptions are checked, explain how existing riparian buffer will be undisturbed to the extent practicable. Provide a demonstration that the requirements of §102.14(b) are met, or provide the necessary information to request a riparian buffer waiver.
4. Are you requesting a riparian buffer waiver for this project (see § 102.14(d)(2))? ☒ Yes ☐ No
If yes, indicate below the type of project for which you are requesting a waiver by marking the appropriate box.
☒ Linear project that may include pipelines, public roadways, rail lines, or utility lines.
☒ Project is of a temporary nature where the site will be fully restored to its preexisting conditions during the ESCGP permit term.
☒ Project where compliance with mandatory riparian buffers is not appropriate or feasible due to site characteristics or existing structures at the project site.
☐ Other (see §102.14(d)(2)):
If waivers are checked, explain how existing riparian buffers will be undisturbed to the extent practicable.
Note: If "Yes" to #2 **AND** "No" to #3 and #4, provide an attachment to demonstrate how the requirements of §102.14 are met.

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PCSM) AND/OR SITE RESTORATION(SR) PLAN

See NOI Instructions for additional guidance with PCSM Plans

PCSM/SR BMPs should be designed to use natural measures to eliminate pollution, infiltrate runoff, not require extensive construction/maintenance, promote pollutant reduction, and preserve the integrity of stream channels. All PCSM/SR BMPs proposed in the PCSM/SR Plan must be designed in accordance with Ch. 102, Ch. 78a for unconventional operations, Ch. 78 for conventional operations and the *Pennsylvania Stormwater Best Management Practices Manual (Stormwater BMP Manual)* (363-0300-002). If alternate design criteria are utilized for the proposed project, they must have prior approval by the Department, or the NOI Application will be returned to the Applicant.

After construction is completed, how much of the entire disturbed area will be restored to meadow in good condition or better, or existing conditions? ☐ All ☒ Partial ☐ None

Include PCSM narrative and drawings for remaining impervious area. Also include a map showing the proposed contours of the site restoration plan.

If there are additional stages of the project prior to permit termination or expiration, list the stages and provide the documents required by subsection 'a' to section 'g' for each stage (e.g. partial restoration or changes to the amount of compacted areas, gravel, and/or impervious areas). Upload a narrative for each additional stage in addition to the drawings.

EXAMPLE

Stage No	Stage Name	PCSM Plan	SR Plan
Stage 1		<input type="checkbox"/>	<input type="checkbox"/>
Stage 2		<input type="checkbox"/>	<input type="checkbox"/>
Stage 3		<input type="checkbox"/>	<input type="checkbox"/>
Stage 4		<input type="checkbox"/>	<input type="checkbox"/>

Act 167 Consistency. Check those that apply.

Is there an Act 167 Plan? ☒ Yes ☐ No

☒ The attached PCSM/SR Plan is consistent with an applicable approved Act 167 Plan.

Complete the following for all approved Act 167 Stormwater Management Plans. (Use additional sheets if necessary)

Act 167 Plan Name _____ Date Adopted _____ Consistency Letter Included ☐

Luzerne County Stormwater August 18, 2010 Verification Report Included ☒

Management Ordinance

Valley Creek Watershed Stormwater February 04, 2011

Management Plan

Note: A consistency letter is not required if a verification report is provided. See NOI Instructions. The PCSM/SR Plan must satisfy either sub paragraph 1, 2, or 3 below. Check those that apply.

1. ☒ Act 167 Plan approvals on or after January 2005 – The attached PCSM/SR Plan, in its entirety, is consistent with all requirements pertaining to rate, volume, and water quality from an Act 167 Stormwater Management Plan approved by DEP on or after January 2005. Box 1 must be checked if a current, DEP approved Act 167 plan exists.
2. ☒ The PCSM/SR Plan meets the standard design criteria from sections 102.8(g)(2) and (3) and the *Stormwater BMP Manual*. For projects involving oil and gas activities authorized by a permit issued under Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure, post construction stormwater management requirements are met for all areas that are restored to preconstruction conditions or to a condition of meadow in good condition or better. *[Note: PCSM plans must meet both the volume and rate requirements in the regulations, which are provided in the 2 sections mentioned in this paragraph].*
3. ☐ Alternative Design Standard – The attached PCSM/SR Plan was developed using approaches as provided in 102.8(g)(2)(iv) and 102.8(g)(3)(iii). Demonstrate/explain in the space provided below how this standard will be either more protective than what is required in 102.8(g)(2) and 102.8(g)(3) or will maintain and protect existing water quality and existing and designated uses.

PCSM/SR BMP Alternative Standards:

Has the alternative BMP or design standard been approved by the Department?

☐ Yes

☐ No – Do not submit the ESCGP-3 application and see Section (H) of the NOI Instructions concerning the alternative BMP approval process.

Water Quality Compliance:

Does the PCSM/SR plan comply with requirements for volume control? ☒ Yes ☐ No

If yes, is at least 90% of the disturbed area controlled by a PCSM BMP? ☒ Yes ☐ No

If yes, do you have the Standard PCSM Worksheet # 10 attached to show water quality compliance has achieved?

☒ Yes ☐ No

If no, attach Standard PCSM Worksheets # 12 and #13 to show water quality compliance has achieved.

If PCSM/SR plan is not complying with the requirements for volume control, attach Standard PCSM Worksheets # 11, # 12 and #13 to show water quality compliance has achieved.

a. PCSM/SR Plan Summary

Provide a summary of proposed BMPs and their performance to manage PCSM/SR for the project.

Along the pipeline Right-Of-Way, typical E&S BMPs such as waterbars and erosion control blanket will be left in place as part of site restoration. After construction activities are completed, temporary workspaces will be restored to meadow in good condition or better than existing conditions. For the aboveground facilities, PCSM BMPs such as infiltration basins, diversion channels and vegetated swales will be used and left in place as part of site restoration. Additional information regarding all the proposed BMPs are provided in the Post-Construction Stormwater Management Plans of respective project components (Section 3 of this ESCGP-3 Application).

Check all that apply ☒ PCSM BMPs ☒ SR BMPs

b. Do you have any information regarding riparian buffer which differs from what was submitted in the Section G, Riparian Buffer?

☐ Yes ☒ No

Explain:

c. Thermal Impacts Analysis

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

Runoff collected in PCSM BMPs such as infiltration basins will mitigate thermal impacts from post construction stormwater. Runoff collected in infiltration basins are discharged to receiving waters are not expected to be retained for more than 24 hours. Minimum permanent changes in land cover are being proposed for constructing the pipeline facilities. Gravel will be used for access roads wherever practicable. Removal of trees and riparian vegetation and addition of impervious surfaces will be limited to only that necessary for construction. Once construction activities are complete, disturbed areas will be restored to pre-construction contours and seeded as described in Erosion and Sedimental Control and Site Restoration Plans. Temporary workspaces will be restored back with woody and herbaceous species. Thermal impacts assessments corresponding to each project component including pipelines and aboveground facilities are given in Section 2 and 3 of this ESCGP-3 Application.

d. Off-Site Discharge Analysis.

Does the activity propose any off-site discharges to areas other than surface waters? ☒ Yes ☐ No

If yes, it is the applicant's responsibility to ensure that they have legal authority for any off-site discharge to neighboring properties.

The Applicant must provide a demonstration in both the E&S and PCSM/SR Plans that the discharge will not cause erosion, damage, or a nuisance to off-site properties.

See Offsite Discharge Analysis Sections in PCSM Narratives

NOI Section H. POST CONSTRUCTION STORMWATER MANAGEMENT (PCSM) PLANS

Summary Calculations of Post Construction Stormwater BMPs

1. Regional Energy Lateral Pipeline - MLV-515RA20
2. Regional Energy Lateral Pipeline - MLV-515RA30
3. Regional Energy Lateral Pipeline - Carverton Tie-in
4. Regional Energy Lateral Pipeline - Lower Demunds REL Tie-in
5. Regional Energy Lateral Pipeline – Hildebrandt Tie-in/MLV-515RA40
6. Effort Loop Pipeline - MLV-505LD86
7. Compressor Station 200
8. Compressor Station 515

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - MLV-515RA20 - Zenker Valve Yard

e. Summary Table for Supporting Calculation and Measurement Data
(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Mill Creek			
Volume Control design storm frequency 2-year Rainfall amount 2.95 inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.19	+0.19
Volume of stormwater runoff (acre- feet) without planned stormwater BMPs	0.04	0.06	+0.02
Volume of stormwater runoff (acre- feet) with planned stormwater BMPs		0.03	-0.01
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	3.51	3.22	-0.29
2) 10-Year/24-Hour	6.82	6.17	-0.65
3) 50-year/24-Hour	11.88	11.12	-0.76
4) 100-year/24-Hour	14.91	14.91	-0.00

f. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Vegetated Swale	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input checked="" type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ <u>1,396cf(2-yr);</u> <u>6,186cf(100-yr)</u>	_____ _____ <u>0.28</u>
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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g. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Dry Extended Detention Basin area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Channels to ensure they have been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Dry Extended Detention Basin to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Dry Extended Detention Basin the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. At completion of Collection Channel C1 to ensure it has been constructed to the proposed line and grade, the specified lining material has been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
6. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to Collection Channel C1.
7. For final inspection of constructed BMPs.
8. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL GENERAL PERMIT (ESGCP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR TRANSMISSION FACILITIES

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - MLV-515RA30 - Wyoming Valve Yard

b. Summary Table for Supporting Calculation and Measurement Data (See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Susquehanna-Solomon Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>2.57</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.24	+0.24
Volume of stormwater runoff (acre- feet) without planned stormwater BMPs	0.03	0.06	+0.03
Volume of stormwater runoff (acre- feet) with planned stormwater BMPs		0.03	-0.00
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.22	0.02	-0.20
2) 10-Year/24-Hour	0.68	0.03	-0.65
3) 50-year/24-Hour	1.52	0.06	-1.46
4) 100-year/24-Hour	2.06	0.07	-1.99

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Soil Amendment	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>451cf(2-yr);</u> <u>2,511cf(100-yr)</u> _____ _____ _____ _____	_____ <u>0.21</u> _____ _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input checked="" type="checkbox"/> Other <u>Vegetated Swale</u>	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	 <u>1,009cf(2-yr):</u> <u>4,264cf(100-yr)</u>	 <u>0.49</u>
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Vegetated Swale area has been flagged and fence erected to prevent access to the area.
2. At the beginning of construction of the Vegetated Swale to ensure the infiltration area has not been compacted by construction activities.
3. During construction of the Vegetated Swale the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
4. At completion of Collection Channel C1 to ensure it has been constructed to the proposed line and grade, the specified lining material has been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the infiltration berm.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - Carverton Tie-In

<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i></p> <p>The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Abrahams Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>2.61</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.03	0.11	+0.08
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.02	0.03	+0.01
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.00	-0.02
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.46	0.00	-0.46
2) 10-Year/24-Hour	0.91	0.00	-0.91
3) 50-year/24-Hour	1.61	0.00	-1.61
4) 100-year/24-Hour	2.01	0.00	-2.01

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>1,280cf (2-yr);</u> <u>4,445cf(100-yr)</u>	_____ _____ _____ _____ <u>0.26</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. At the beginning of construction to ascertain the Infiltration Berm area has been flagged and fence erected to prevent access to the area.
2. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the infiltration berm.
3. At the beginning of construction of the Infiltration Berm to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the infiltration berm the licensed professional will observe that the berm is constructed in accordance with the plans and specifications.
5. For final inspection of constructed BMPs.
6. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
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TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - Lower Demunds REL Tie-In

<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i></p> <p>The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Toby Creek			
Volume Control design storm frequency 2-year Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.12	+0.12
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.02	0.04	+0.02
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.01	-0.01
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.20	0.00	-0.20
2) 10-Year/24-Hour	0.40	0.00	-0.40
3) 50-year/24-Hour	0.71	0.20	-0.51
4) 100-year/24-Hour	0.89	0.51	-0.38

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>1,481cf(2-yr);</u> <u>4,356cf(100-yr)</u> _____ _____ _____	_____ <u>0.17</u> _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Valve Yard Pad area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Berm/Channel to ensure it has been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Valve Yard Pad to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Valve Yard Pad the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the outlet structure.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline – MLV-515RA40-Hildebrandt Tie-In

b. Summary Table for Supporting Calculation and Measurement Data

(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Toby Creek

Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.0	0.22	+0.22
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.03	0.07	+0.04
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.01	-0.02
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.34	0.20	-0.14
2) 10-Year/24-Hour	0.67	0.38	-0.29
3) 50-year/24-Hour	1.20	0.65	-0.55
4) 100-year/24-Hour	1.52	0.80	-0.72

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Vegetated Swale	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>2,265cf(2-yr);</u> <u>5,881cf(100-yr)</u>	_____ <u>0.21</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____

<input type="checkbox"/> Roadside Vegetated Filter Strips		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Stormwater Energy Dissipaters	Infiltration/Recharge			
<input type="checkbox"/> Level Spreaders		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Riprap Aprons		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Upslope Diversions		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Other _____		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____

d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Valve Yard Pad area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Channel to ensure it has been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Valve Yard Pad to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Valve Yard Pad the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the outlet structure.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR TRANSMISSION FACILITIES

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Effort Loop Pipeline-MLV-505LD86 Sugar Hollow Valve Yard

b. Summary Table for Supporting Calculation and Measurement Data

(See *NOI Instructions for additional guidance with this section*)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Pohopoco Creek

Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.26</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.09	0.62	+0.53
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.35	0.44	+0.09
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.28	-0.07
Stormwater discharge rate for the design frequency storm DA-1	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.01	0.01	-0.00
2) 10-Year/24-Hour	0.37	0.31	-0.06
3) 50-year/24-Hour	5.89	4.21	-1.68
4) 100-year/24-Hour	11.47	8.28	-3.19
Stormwater discharge rate for the design frequency storm DA-2	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	4.51	3.97	-0.54
2) 10-Year/24-Hour	12.49	12.28	-0.21
3) 50-year/24-Hour	26.58	24.35	-2.23
4) 100-year/24-Hour	35.41	31.74	-3.67

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input checked="" type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ <u>1,123cf(2-yr);</u> <u>21,318cf(100-yr)</u> _____ <u>5,915cf(2-yr);</u> <u>26,924cf(100-yr)</u>	_____ _____ <u>2.85</u> _____ <u>1.54</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. For the final grading of the access road, ensuring it is constructed according to the plan details for proper conveyance of runoff.
2. Following final grading and seeding of the diversion channels and basin, in order to confirm they have been constructed according to the plan details for proper collection and conveyance of runoff. Periodic assessments will need to be made to ensure accumulated sediment have been cleaned out so the channels and basin maintain the necessary design volumes.
3. During the layout and excavation of the outlet control structure, the professional or delegate will ensure sizing, materials specifications, and construction procedures are followed to enable proper storage in the basin.
4. Following final grading and seeding of the infiltration berm in order to confirm they have been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessment will need to be made to ensure that accumulated sediment have been cleaned out so the area behind the berm maintains the necessary design volume.
5. For final inspection of constructed channels, basin and berms.
6. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Compressor Station 200

b. Summary Table for Supporting Calculation and Measurement Data

(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Valley Creek

Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.30</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.25	0.40	+0.15
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.07	0.11	+0.04
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.07	-0.00
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	1.03	0.15	-0.88
2) 10-Year/24-Hour	2.06	1.39	-0.67
3) 50-year/24-Hour	3.19	2.79	-0.40
4) 100-year/24-Hour	3.97	3.50	-0.47

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>3,790cf(2-yr);</u> <u>11,631cf(100-yr)</u>	_____ _____ _____ _____ <u>0.56</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Following final grading and seeding of the infiltration berm in order to confirm it has been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessments will need to be made to ensure that accumulated sediment should be cleaned out so the channels and berm maintain necessary design volume.
2. For final inspection of constructed BMPs.
3. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E & S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESGCP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Compressor Station 515

b. Summary Table for Supporting Calculation and Measurement Data

(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Bear Creek

Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.34	2.44	+2.10
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.50	0.81	+0.31
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.18	-0.32
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	5.46	1.76	-3.70
2) 10-Year/24-Hour	10.19	8.30	-1.89
3) 50-year/24-Hour	16.85	9.55	-7.30
4) 100-year/24-Hour	20.81	9.58	-11.23

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>31,799cf(2-yr):</u> <u>96,268cf(100-yr)</u>	_____ _____ _____ _____ <u>3.83</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Following final grading and seeding of the collection channels and infiltration berm in order to confirm they have been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessments will need to be made to ensure that accumulated sediment should be cleaned out so the channels and berm maintain necessary design volume.
2. For final inspection of constructed BMPs.
3. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E & S controls.

SECTION I. ANTIDEGRADATION ANALYSIS

This section must be completed where earth disturbance activities will be conducted in the watershed of a surface water with an existing or designated use of exceptional value or high quality pursuant to Chapter 93 (relating to water quality standards), projects where any part is located in an exceptional value wetland in accordance with 25 Pa. Code § 105.17, and projects where any part is located in the watershed of an impaired surface water where the cause of impairment is identified as siltation.

Part 1 - NONDISCHARGE ALTERNATIVES EVALUATION

The applicant must consider and describe any and all non-discharge alternatives for the entire project area which are environmentally sound and will:

- Minimize accelerated erosion and sedimentation during the earth disturbance activity
- Achieve no net change from pre-development to post-development volume, rate and concentration of pollutants in water quality

E & S Plan	PCSM/SR Plan
<p>Check off the environmentally sound nondischarge Best Management Practices (BMPs) listed below to be used prior to, during, and after earth disturbance activities that have been incorporated into your E & S Plan based on the site analysis. For non-discharge BMPs not checked, provide an explanation of why they were not utilized. Also for BMPs checked, provide an explanation of why they were utilized. (Provide the analysis and attach additional sheets if necessary)</p> <p>See Section 2 of this ESCGP-3 Application</p>	<p>Check off the environmentally sound nondischarge Best Management Practices (BMPs) listed below to be used after construction that have been incorporated into the PCSM/SR Plan based on your site analysis. For non-discharge BMPs not checked, provide an explanation of why they were not utilized. Also for BMPs checked, provide an explanation of why they were utilized. (Provide the analysis and attach additional sheets if necessary)</p> <p>See Section 3 of this ESCGP-3 Application</p>
<p>Nondischarge BMPs</p> <p><input type="checkbox"/> Alternative Siting</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative location</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative configuration</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative location of discharge</p> <p><input checked="" type="checkbox"/> Limited Disturbed Area</p> <p><input type="checkbox"/> Limiting Extent & Duration of Disturbance (Phasing, Sequencing)</p> <p><input type="checkbox"/> Riparian Buffers (150 ft. min.)</p> <p><input type="checkbox"/> Riparian Forest Buffer (150 ft. min.)</p> <p><input type="checkbox"/> Other _____</p>	<p>Nondischarge BMPs</p> <p><input type="checkbox"/> Alternative Siting</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative location</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative configuration</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative location of discharge</p> <p><input type="checkbox"/> Low Impact Development (LID / BSD)</p> <p><input type="checkbox"/> Riparian Buffers (150 ft. min.)</p> <p><input type="checkbox"/> Riparian Forest Buffer (150 ft. min.)</p> <p><input checked="" type="checkbox"/> Infiltration</p> <p><input type="checkbox"/> Water Reuse</p> <p><input type="checkbox"/> Other _____</p>
<p>Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality during construction?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, antidegradation analysis is complete. If no, proceed to Part 2.</p>	<p>Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality after construction?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, antidegradation analysis is complete. If no, proceed to Part 2.</p>

PART 2 - ANTIDEGRADATION BEST AVAILABLE COMBINATION OF TECHNOLOGIES (ABACT)

If the net change in stormwater discharge from or after construction is not fully managed by nondischarge BMPs, the applicant must utilize ABACT BMPs to manage the difference. The Applicant must specify whether the discharge will occur during construction, post-construction or both, and identify the technologies that will be used to ensure that the discharge will be a non-degrading discharge. ABACT BMPs include but are not limited to:

E & S Plan	PCSM/SR Plan
<p><input checked="" type="checkbox"/> Treatment BMPs:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Sediment basin with skimmer <input type="checkbox"/> Sediment basin ratio of 4:1 or greater (flow length to basin width) <input type="checkbox"/> Sediment basin with 4-7 day detention <input type="checkbox"/> Flocculants <input checked="" type="checkbox"/> Compost Filter Socks <input checked="" type="checkbox"/> Compost Filter Sock Sediment Basin <input checked="" type="checkbox"/> RCE w/ Wash Rack <p><input checked="" type="checkbox"/> Land disposal:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Vegetated filters <input type="checkbox"/> Riparian buffers <150ft. <input type="checkbox"/> Riparian Forest Buffer <150ft. <input checked="" type="checkbox"/> Immediate stabilization <p><input checked="" type="checkbox"/> Pollution prevention:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> PPC Plans <input checked="" type="checkbox"/> Street sweeping <input checked="" type="checkbox"/> Channels, collectors and diversions lined with permanent vegetation, rock, geotextile or other non-erosive materials <p><input type="checkbox"/> Stormwater reuse technologies:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Sediment basin water for dust control <input type="checkbox"/> Sediment basin water for irrigation <p><input type="checkbox"/> Other _____</p>	<p><input checked="" type="checkbox"/> Treatment BMPs:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Infiltration Practices <input type="checkbox"/> Wet ponds <input type="checkbox"/> Created wetland treatment systems <input checked="" type="checkbox"/> Vegetated swales <input type="checkbox"/> Manufactured devices <input checked="" type="checkbox"/> Bio-retention/infiltration <input type="checkbox"/> Green Roofs <p><input type="checkbox"/> Land disposal:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Vegetated filters <input type="checkbox"/> Riparian Buffers <150ft. <input type="checkbox"/> Riparian Forest Buffer <150ft. <input type="checkbox"/> Disconnection of roof drainage <input type="checkbox"/> Bio-retention/bio-infiltration <p><input checked="" type="checkbox"/> Pollution prevention:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Street sweeping <input type="checkbox"/> Nutrient, pesticide, herbicide or other chemical application plan alternatives <input checked="" type="checkbox"/> PPC Plans <input checked="" type="checkbox"/> Non-structural Practices <input checked="" type="checkbox"/> Restoration BMPs <p><input type="checkbox"/> Stormwater reuse technologies:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Divert rainwater into impoundment <input type="checkbox"/> Underground storage <p><input type="checkbox"/> Spray/Drip Irrigation</p> <p><input type="checkbox"/> Other _____</p>
<p>Are the ABACT BMPs selected sufficient to minimize E&S discharges to the extent that existing or designated surface water uses are protected?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.</p>	<p>Are the ABACT BMPs selected sufficient to achieve no net change and assure that existing or designated surface water uses are protected?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.</p>

SECTION J. COMPLIANCE HISTORY REVIEW

Is/was the applicant(s) in violation of any Department regulation, order, schedule of compliance or permit or in violation of any department regulated activities within the past five years?

☒ Yes ☐ No

If yes, provide the permit number or facility name, a brief description of the violation, the compliance schedule (including dates and steps to achieve compliance) and the current compliance status. (Attach additional information on a separate sheet, when necessary)

Permit Program or Activity: Chapter 102, Chapter 105, PAG-10

Permit Number (if applicable):

1. ESG03000150001, ESG00350150001, ESG00081150001
2. E41-649
3. E-19-311, E36-947, E-38-195, E40-769, E49-336, E54-360, E58-315, E66-160, E41-667, E18-495,
4. PAG109632

Brief Description of non-compliance:

Consent Assessment of Civil Penalty, Reports past due.

Steps taken to achieve compliance

1. Consent Assessment of Civil Penalty
2. Consent Assessment of Civil Penalty. Permits being obtained to complete channel restoration
3. Consent Assessment of Civil Penalty
4. All past due reports were provided to PADEP

Date(s) compliance achieved



1. 9/20/2020
2. 8/9/2020
3. 9/20/2020
4. 12/14/2017

Current Compliance Status: ☒ In-Compliance ☐ In Non-Compliance

If in non-compliance, attach schedule for achieving compliance.

SECTION K. CERTIFICATION BY PERSON PREPARING E&S AND PCSM/SR PLANS

I do hereby certify to the best of my knowledge, information, and belief, that the Erosion and Sediment Control and PCSM/Site Restoration Plans are true and correct, represent actual field conditions, and are in accordance with the 25 Pa. Code Chapters 78/78a and 102 of the Department's rules and regulations. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Print Name Kevin C. Clark	Signature 	Professional Seal 	
Company BAI Group, LLC			
Address 2525 Green Tech Drive, Suite D, State College, PA-16803			
Phone (814) 238-2060			
Most Recent DEP Training Attended	Location		Date
e-Mail Address kclark@baigroupllc.com			

EXPEDITED REVIEW PROCESS

In addition to the certification required above, applicants using the expedited permit review process must attach an E&S and PCSM/Site Restoration Plans developed and sealed by a licensed professional engineer, surveyor or professional geologist. The plans shall contain the following certification:

I do hereby certify to the best of my knowledge, information, and belief, that the E & S Control and PCSM/SR BMPs are true and correct, represent actual field conditions and are in accordance with the 25 Pa. Code Chapters 78 / 78a and 102 of the Department's rules and regulations. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SECTION L. APPLICANT CERTIFICATION

Applicant Certification

I certify under penalty of law, as provided by 18 Pa. C.S.A. § 4904, that this application and all related attachments were prepared by me or under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my own knowledge and on inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. The responsible official's signature also verifies that the activity is eligible to participate in the ESCGP, and that the applicant agrees to abide by the terms and conditions of the permit. BMP's, E&S Plan, PPC Plan, PCSM Plan, and other controls are being or will be, implemented to ensure that water quality standards and effluent limits are attained.

I grant permission to the agencies responsible for the permitting of this work, or their duly authorized representative to enter the project site for inspection purposes. I will abide by the conditions of the permit if issued and will not begin work prior to permit issuance.

(For individuals no indication of title is necessary, choose the box below. All others proceed to the next paragraph)

☐ **Individual; proceed to signature portion.**

I hereby certify under penalty of law, as provided by 18 Pa. C.S.A. § 4904, that I am the person who is responsible for decision-making regarding environmental compliance functions for Transcontinental Gas Pipeline Company, LLC, the manager of one or more manufacturing, production, or operating facilities of the applicant and am authorized to make management decisions which govern the operation of regulated facility including having explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure the applicant's long term environmental compliance with environmental laws and regulations; and I am responsible for ensuring that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements.

(choose one of the following; not applicable for individuals):

☐ The responsible corporate officer ☐ president ☐ vice president ☐ secretary
☐ treasure of _____ Corporation/Company
Entity name

☒ The ☐ member or ☒ manager of Transcontinental Gas Pipe Line Company, LLC
Entity name

☐ The general partner of _____ partnership/LP/LLP
Entity name

☐ The principal executive officer or ranking elected official of _____ Municipality/State/Federal/other public
agency
Entity name

☐ Power of Attorney/delegation of contractual authority (documentation supporting delegation of contracting
authority must be provided) for _____
Entity name

Print Name and Title of Applicant

Print Name and Title of Co-Applicant (if applicable)

Signature of Applicant

Signature of Co-Applicant

Date Application Signed

Date Application Signed

Notarization

Sworn to and subscribed to before me this

Commonwealth of Pennsylvania

_____ day of _____, 20_____

County of _____

Notary Public

My Commission expires _____

AFFIX SEAL

SECTION M. ADDITIONAL CONTACT INFORMATION			
Contact's Last Name	First Name	MI	Phone (814) 689-1650
Nelson	Ryan	J	FAX
Mailing Address	City	State	ZIP + 4
2525 Green Tech Drive, Suite B	State College	PA	16803
e-Mail Address ryann@whmgroup.com			

Section 1-1.1 NOI Supporting Information

Project Component	Site	Site Location City	ZIP Code	County	Municipality	Total Project Area/Project Site (Acre)	Total Disturbed Area (Acre)	Latitude / Longitude	U.S.G.S. 7.5 min. Topographic Quadrangle	Receiving Waters	Chapter 93, Designated Use Stream Classification	Chapter 93, Existing Use Stream Classification	Siltation Impaired
Regional Energy Lateral	Pipeline			Luzerne	Buck, Bear Creek, Plains, Jenkins, Kingston, Dallas, Wyoming, West Wyoming, Laflin	952.63	420.67 (includes CS 515 and sites below)	41.173337, -75.671706 (eastern terminus) 41.346917, -75.946263 (western terminus)	Kingston, Pittston, Avoca, Wilkes-Barre East, Pleasant View Summit	Stony Run, Shades Creek, Little Shades Creek, Snider Run, Meadow Run, Bear Creek, Little Bear Creek, Mill Creek, Gardner Creek, Susquehanna River, Abrahams Creek, Toby Creek, Trout Brook	MF, HQ-CWF, WWF, CWF	-	No
	CY-LU-001	Wyoming	18644	Luzerne	Wyoming		16.3 (Included within above total)	41.31016, -75.84636		Abrahams Creek	CWF, MF	-	No
	CY-LU-002	Wilkes-Barre	18702	Luzerne	Laflin		11.4 (Included within above total)	41.28491, -75.79026		Gardner Creek	CWF, MF	-	No
	MLV-515RA20	Wilkes-Barre	18702	Luzerne	Bear Creek Township		0.46 (Included within above total)	41.25279, -75.75856		Mill Creek	CWF, MF	-	No
	MLV-515RA30	Wyoming	18644	Luzerne	Wyoming Borough		0.44 (Included within above total)	41.30411, -75.84662		Susquehanna River	WWF		No
	Carverton Tie-in	Wyoming	18644	Luzerne	West Wyoming Borough		3.9 (Included within above total)	41.32053, -75.87270		Abrahams Creek	CWF, MF		No
	Lower Demunds REL Tie-in	Dallas	18612	Luzerne	Dallas Township		1.7 (Included within above total)	41.34652, -75.94551		Trout Brook	CWF, MF		No
	Hildebrandt Tie-in/MLV-515RA40	Dallas	18612	Luzerne	Dallas Township		3.1 (Included within above total)	41.34692, -75.94629		Toby Creek, Trout Brook	CWF, MF		No
	Laflin Borough Stream Stabilization	Wilkes-Barre	18702	Luzerne	Laflin Borough		0.94 (Included within above total)	41.28925, -75.80209		Gardner Creek	CWF, MF	-	No
Effort Loop	Pipeline			Monroe	Ross, Chestnuthill, Tunkhannock	360.63	262.18	40.896796, -75.370606 (Southeast Terminus) 41.053413, -75.526178 (Northwest Terminus)	Blakeslee, Pocono Pines, Brodheads ville, Saylorsburg	Lake Creek, Princess Run, Weir Creek, McMichael Creek, Pohopoco Creek, Sugar Hollow Creek, Poplar Creek, Mud Run, Mud Pond Run, Tunkhannock Creek	EV, MF, HQ-CWF, CWF	EV, MF	No

Regional Energy Access Expansion Project
ESCGP-3 Permit Application
Transcontinental Gas Pipe Line Company, LLC
Section 1-1.1 NOI Supporting Information

Project Component	Site	Site Location City	ZIP Code	County	Municipality	Total Project Area/Project Site (Acre)	Total Disturbed Area (Acre)	Latitude / Longitude	U.S.G.S. 7.5 min. Topographic Quadrangle	Receiving Waters	Chapter 93, Designated Use Stream Classification	Chapter 93, Existing Use Stream Classification	Siltation Impaired
	MLV-505LD86 Sugar Hollow Valve Yard	Effort	18330	Monroe	Chestnut Hill Township		8.8 (Included within above total)	40.96775, -75.42980		Sugar Hollow Creek	CWF, MF	-	No
	CY-MO-001	Saylorsburg	18353	Monroe	Ross Township		50.1 (Included within above total)	40.89803, -75.36784		Lake Creek, Princess Run	HQ-CWF, MF, CWF	-	No
Delaware River Regulator		Easton	18040	Northampton	Lower Mt. Bethel	11.28	3.25	40.76220 -75.19653	Bangor, PA	Mud Run	CWF, MF	-	No
Mainline “A” Regulator		Washington Crossing	18977	Bucks	Lower Makefield	0.94	0.530	40.26807, -74.85712	Pennington, NJ-PA	Dyers Creek, Delaware River	MF, WWF	-	No
Compressor Station 200		Frazer	19335	Chester	East Whiteland	20.28	3.16	40.04998, -75.58589	Malvern, PA	Valley Creek	EV, MF, CWF	-	Yes
Compressor Station 515		White Haven	18661	Luzerne	Buck	952.63 (Included with Regional Energy Lateral)	24.83 (included with Regional Energy Lateral)	41.17380, -75.67118	Pleasant View Summit, PA	Shades Creek, Stony Run	HQ-CWF, MF	-	No



MUNICIPAL NOTIFICATION OF PLANNED LAND DEVELOPMENT FOR CHAPTER 102 PERMITS

PROJECT INFORMATION (COMPLETED BY APPLICANT)

Applicant Name:	Transcontinental Gas Pipe Line Company, a subsidiary of Williams Partners, L.P.	Contact Name:	Joseph Dean Manager-Permitting
Applicant Address:	2800 Post Oak Blvd, Level 11	Contact Phone:	(713) 215-3427
Applicant City, State, ZIP:	Houston, TX 77056	County:	Luzerne

Description of Proposed Land Development and Stormwater Controls:

Municipality: **Jenkins**

The Regional Energy Lateral component of the Regional Energy Access Expansion Project will consist of approximately 22.3 miles of 30-inch diameter pipeline, partially co-located with existing Transco Leidy Line-A, in Buck, Bear Creek, Plains, Jenkins, Kingston and Dallas Townships, and Laffin, Wyoming, and West Wyoming Boroughs, Luzerne County, Pennsylvania. The Regional Energy Lateral begins at existing Compressor Station 515 in Buck Township and continues westward to its terminus at Transco's existing Hildebrandt Tie-in in Dallas Township. Transco will be installing four mainline valves with appurtenant equipment, as a means to isolate gas flows along the Regional Energy Lateral. The mainline valve sites at each pipeline terminus (MLV515RA10 at Compressor Station 515 and MLV515RA40 at the Hildebrandt Tie-in) will also have pig traps (industry term for manifolds that launch or receive in-line inspection tools). The other two valve sites are proposed along the pipeline route (MLV515RA20 at Milepost 7.5 and MLV515RA30 at Milepost 14.8). Modifications at three existing pipeline interconnects are proposed to tie-in the proposed pipeline to the existing facilities. The Carverton Tie-In is located at Milepost 16.8. The Lower Demunds Tie-In is located at Milepost 22.3 and also includes a +/- 400-ft segment of 20-in pipeline to connect to the existing facility. The Hildebrandt Tie-In is located at the Regional Energy Lateral pipeline terminus and includes MLV515RA40. Two contractor yards are proposed for the Project and are located adjacent to the pipeline. CY-LU-001 is located at Milepost 15.3 and CY-LU-002 is located at Milepost 10.5. Cathodic protection equipment will be installed along the pipeline route. Deep anode ground beds are proposed at Mileposts 7.5 and 19.8, and one remote anode ground bed is proposed at Milepost 15.3 E&S BMP's are proposed within Jenkins Township.

Project Area: **90.33** acres ☐ PhasedDisturbance: **41.42** acres

Tax Parcel ID(s) Affected by Proposed Land Development:

See attached table

Surface Waters Receiving Stormwater Discharges:

Gardner Creek, Susquehanna RiverDischarge to: ☐ MS4 ☐ Other SS ☐ CSS

The following information was submitted to the municipality for this project:

☐ Land Development / Subdivision Plan
 ☒ E&S Plan
 ☐ PCSM Plan
 ☐ Other:

***On March 31, 2021 Transco submitted to you its E&S and PCSM Plans (Plans) as part of the ESCGP-3 permit application notification. The purpose of this notice is to let you know that Transco will be submitting an Erosion and Sediment Control Permit for Discharges of Stormwater Associated with Construction Activities Application to the PA Dept. of Environmental Protection to replace the ESCGP-3 application. Please refer to the previously submitted Plans.**

MUNICIPAL PLAN / ORDINANCE INFORMATION (COMPLETED BY MUNICIPALITY)

1. Is there an adopted municipal or multi-municipal comprehensive plan? ☐ Yes ☐ No
2. Is there an enacted municipal or multi-municipal zoning ordinance? ☐ Yes ☐ No
3. If Yes to #2, is the proposed project consistent with the ordinance? ☐ Yes ☐ No
4. Is there a municipal stormwater management ordinance? ☐ Yes ☐ No
5. If Yes to #4, is the proposed project consistent with the ordinance, without waiver? ☐ Yes ☐ No
6. If Yes to #4, indicate type of ordinance: ☐ Act 167 Model Ordinance ☐ DEP Model Ordinance (MS4s) ☐ Other


APPLICANT CERTIFICATION

I certify under penalty of law (see 18 Pa.C.S. § 4904 (relating to unsworn falsification)) that the information reported herein was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the information, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

MUNICIPAL ACKNOWLEDGEMENT

The municipality acknowledges that a permit application for the above-referenced project has been submitted to a reviewing agency and that notification requirements of Act 14 of 1984 and Acts 67, 68, and 127 of 2000 have been satisfied. The information reported herein by the municipality is true and accurate. The municipality reserves the right to comment to the reviewing agency relative to comprehensive plans, zoning, and stormwater ordinance consistency. Municipal acknowledgment of receipt of notification shall not be construed as project approval.

Joseph Dean

Applicant Name**Applicant Signature**

Manager - Permitting

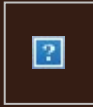
Applicant Title

07/01/2021

Date of Signature**Municipal Representative Name****Municipal Representative Signature****Municipal Representative Title****Date of Signature**

Tax Account Number/APN	Legal Desc County	Municipality
33E11 00A0A1000	Luzerne	Jenkins
33F10 00A007000	Luzerne	Jenkins
33F11 000024000	Luzerne	Jenkins
33F11 00107B000	Luzerne	Jenkins
33F11 00A00F000	Luzerne	Jenkins
33F11 00A03A000	Luzerne	Jenkins
33F11 00A03F000	Luzerne	Jenkins
33F11 00A03G000	Luzerne	Jenkins
33F11 00A07C000	Luzerne	Jenkins
33F11 00A08B000	Luzerne	Jenkins
33F11 00A12F000	Luzerne	Jenkins
33F11 00A18F000	Luzerne	Jenkins
33F11 00A18W000	Luzerne	Jenkins
33F11 00A18W000	Luzerne	Jenkins
33F11 00A18X000	Luzerne	Jenkins
33F11 00A18Y000	Luzerne	Jenkins
33F11 00A22A000	Luzerne	Jenkins
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33-F11-00A-008-000	Luzerne	Jenkins
33F11S1 003016000	Luzerne	Jenkins
33F11S1 00316A000	Luzerne	Jenkins
33F11S1 004005000	Luzerne	Jenkins
33F11S1 004007000	Luzerne	Jenkins
33F11S1 004012000	Luzerne	Jenkins
33F11S1 004013000	Luzerne	Jenkins
33F11S4 002017000	Luzerne	Jenkins
33F11S4 002018000	Luzerne	Jenkins
33F11S4 002018000	Luzerne	Jenkins
33F11S4 002019000	Luzerne	Jenkins
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33G11S4 00212G000	Luzerne	Jenkins
33G11S4 00212H000	Luzerne	Jenkins
33G11S4 00212J000	Luzerne	Jenkins
unknown	Luzerne	Jenkins

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Number of Packages:	1
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March 31, 2021

UPS TRACKING (1Z8797VV0393508495)

Jenkins Township Supervisors
46 ½ Main Street
Inkerman, PA 18640

Re: Regional Energy Access Expansion Project– Regional Energy Lateral and Compressor Station 515
Pennsylvania Acts 14, 67, 68, and 127 Notification
Jenkins Township, Luzerne County, Pennsylvania

Dear Township Supervisors:

This municipal notice, under the requirements of Act 14, 97 P.S. § 510-5, is to inform you that Transcontinental Gas Pipe Line Company, LLC (Transco), a subsidiary of The Williams Companies, Inc. (Williams) is applying for coverage under the Erosion and Sediment Control General Permit (ESCGP-3) for Earth Disturbance Associated with Oil & Gas Exploration, Production, Processing or Treatment Operations or Transmission Facilities from the Pennsylvania Department of Environmental Protection (DEP).

1) Project Name: Regional Energy Access Expansion Project – Regional Energy Lateral and Compressor Station 515

2) Project Description: Transco, indirectly owned by The Williams Companies, Inc. (Williams), is seeking authorization from the Federal Energy Regulatory Commission (FERC or Commission) under Section 7(c) of the Natural Gas Act and Part 157 of the Commission's regulations, to construct, own, operate, and maintain the proposed Project facilities. The Project is an expansion of Transco's existing natural gas transmission system that will enable Transco to provide an incremental 829,400 dekatherms per day (Dth/d) of year-round firm transportation capacity from the Marcellus Shale production area in northeastern Pennsylvania (PA) to multiple delivery points along Transco's Leidy Line in PA, Transco's mainline at the Station 210 Zone 6 Pooling Point in Mercer County, New Jersey (NJ) and multiple delivery points in Transco's Zone 6 in NJ, PA, and Maryland (MD).

The Regional Energy Lateral component of the Project will consist of approximately 22.3 miles of 30-inch diameter pipeline, partially co-located with existing Transco Leidy Line-A, in Buck, Bear Creek, Plains, Jenkins, Kingston and Dallas Townships, and Laflin, Wyoming, and West Wyoming Boroughs, Luzerne County, Pennsylvania. The Regional Energy Lateral begins at existing Compressor Station 515 in Buck Township and continues westward to its terminus at Transco's existing Hildebrandt Tie-in in Dallas Township. Transco will be installing four mainline valves with appurtenant equipment, as a means to isolate gas flows along the Regional Energy Lateral. The mainline valve sites at each pipeline terminus (MLV515RA10 at Compressor Station 515 and MLV515RA40 at the Hildebrandt Tie-in) will also have pig traps (industry term for manifolds that launch or receive in-line inspection tools). The other two valve sites are proposed along the pipeline route (MLV515RA20 at Milepost 7.5 and MLV515RA30 at Milepost 14.8). Modifications at three existing pipeline interconnects are proposed to tie-in the proposed pipeline to the existing facilities. The Carverton Tie-In is located at Milepost 16.8. The Lower Demunds Tie-In is located at Milepost 22.3 and also includes a +/- 400-ft segment of 20-in pipeline to connect to the existing facility. The Hildebrandt Tie-In is located at the Regional Energy Lateral pipeline terminus and includes MLV515RA40. Two contractor yards are proposed for the Project and are located adjacent to the pipeline. CY-LU-001 is located at Milepost 15.3 and CY-LU-002 is located at Milepost 10.5. Cathodic protection equipment will be installed along the pipeline route. Deep anode ground beds are proposed at Mileposts 7.5 and 19.8, and one remote anode ground bed is proposed at Milepost 15.3.

The existing Compressor Station 515 component of the Project is located at the eastern terminus of the Regional Energy Lateral in Buck Township, Luzerne County. Proposed at this facility is the addition of two gas-fired turbine driven compressor units with 63,742 nominal HP at ISO conditions and modification of three existing compressors to support the Project and to accommodate the abandonment and replacement of approximately 17,000 HP from five existing gas-fired reciprocating engine driven compressors and increase the certificated station compression by 46,742 HP. One Mainline Valve will be installed at this facility (MLV515RA10).

3) Applicant Name: Transcontinental Gas Pipe Line Company, LLC's (Transco), a subsidiary of Williams Partners L.P. (Williams)

4) Applicant Contact: Joseph Dean
Manager, Permitting
2800 Post Oak Blvd, Level 11
Houston, TX 77056
(713) 215-3427

5) Site Location: The proposed Project is located on the Kingston, Pittston, Wilks-Barre East, Pleasant View Summit, Pennsylvania, 7.5 Minute USGS quadrangle. The Project is partially co-located with an existing pipeline right-of-way. The eastern terminus of the Regional Energy Lateral is located at: 41°10'24.037" 75°40'18.141"W, and is also the location of Compressor Station 515. The western pipeline terminus: 41°20'48.869"N, 75°56'46.642"W.

6) Municipality / County: Buck, Bear Creek, Plains, Jenkins, Kingston, and Dallas Townships, Wyoming, West Wyoming, and Laflin Boroughs, Luzerne County

Act 14, which amended the Commonwealth's Administrative Code (71 P.S. § 510-5), requires every applicant for a new, amended, or revised permit to give written notice to each municipality (borough, township) and county government in which the facility is located. The municipality and county government must receive the written notice at least thirty (30) - days before DEP may issue or deny approval of coverage.

Enclosed is a complete copy of the Notice of Intent (NOI) completed for the project as well as copies of the erosion and sediment control plans.

Sincerely,

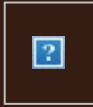


Ryan J. Nelson, PWS
WHM Consulting, LLC

Enclosures:

NOI Form
Erosion and Sediment Control Plan Drawings

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF WATER PROGRAMS
OFFICE OF OIL AND GAS MANAGEMENT

OFFICIAL USE ONLY

ID # T

Date Received _____

AUTH _____

SITE _____

CLNT _____

APS _____

Fee _____

Check No. _____

Check Date _____

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT
CONTROL GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH
OIL AND GAS EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT
OPERATIONS OR TRANSMISSION FACILITIES**

READ THE INSTRUCTIONS PROVIDED IN THIS PERMIT APPLICATION PACKAGE BEFORE COMPLETING THIS FORM. PLEASE PRINT OR TYPE INFORMATION IN BLACK OR BLUE INK.

SECTION A. APPLICATION TYPE

Check one:

NEW ☒ RENEWAL ☐ MAJOR MODIFICATIONS (Provide ESCGP number) ☐PHASED ☐ (check only if applicable; *note: Most projects are not submitted as phased projects*)Check one: EXPEDITED ☐ STANDARD ☒

If an Expedited Review Process being requested, be advised that the Expedited Review is not available for all projects. Refer to Section D - Expedited Review Process of the ESCGP-3 NOI Instructions to determine if the project is eligible.

SECTION B. CLIENT INFORMATION

Applicant's Last Name (If applicable)	First Name	MI	Telephone No.
Organization Name or Registered Fictitious Name Transcontinental Gas Pipe Line Company, LLC (Contact: Joseph Dean)			Telephone No. (713) 215-3427
DEP Client ID No.			
Headquarters Mailing Address 2800 Post Oak Blvd, Level 11	City Houston	State TX	ZIP Code 77056
Email Address Joseph.Dean@williams.com			
Co-Applicant's Last Name (If applicable)	First Name	MI	Telephone No.
Organization Name or Registered Fictitious Name 			Telephone No.

Address	City	State	ZIP Code
Email Address			

SECTION C. SITE INFORMATION					
Is there an existing ESCGP associated with this site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, Permit No. _____					
Has a well permit application been submitted for this site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, Permit No. _____					
Does this site have a 911 address? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, <u>provide site location address.</u>					
Site Name Regional Energy Access Expansion Project					
Site Location See Attachment 1-1.1- NOI Supporting Information			Site No. (if another permit has been issued for the site)		
Site Location – City See Attachment 1-1.1- NOI Supporting Information				State PA	ZIP Code
Detailed Written Directions to Site See Attachment 1-1.1- NOI Supporting Information for locations of all project sites					
Primary Location	County Luzerne, Northampton, Bucks, Chester, and Monroe	Municipality Buck, Bear Creek, Plains, Jenkins, Kingston, Lower Mt. Bethel, Ross, Chestnut Hill, Tunkhannock, Lower Makefield, East Whiteland and Dallas Townships Wyoming, West Wyoming, and Laflin Boroughs	City <input type="checkbox"/>	Boro <input checked="" type="checkbox"/>	Twp. <input checked="" type="checkbox"/>
SECTION D. EXPEDITED REVIEW					
I. Expedited Review Eligibility					
1. Is any part of the project in the watershed of a surface water with an existing or designated use of exceptional value or high quality pursuant to Chapter 93 (relating to water quality standards), in an exceptional value wetland in accordance with 25 Pa. Code § 105.17, or in the watershed of an impaired surface water where the cause of the impairment is identified as siltation?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
2. Will the project in which the well pad will be constructed be in or on a floodplain?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Is any earth disturbance located or proposed to be located on land known to be contaminated by the release of regulated substances as defined in Section 103 of Act 2, 35 P.S. § 6026.103?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4. Will naturally occurring geologic formations or soil conditions provide hazards to the project or surrounding environment or have the potential to cause or contribute to pollution when disturbed?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
5. Do any unresolved non-compliance issues exist with the applicant or the facility?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
6. Is the project a transmission project?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

<p>If yes to any of the above questions the project is not eligible for Expedited Review; If the project is eligible for Expedited Review, all the following items must be completed.</p>	
<p>II. Expedited Review Process</p>	
1. Is the technically and administratively complete and accurate NOI package prepared and certified by a licensed professional?	<input type="checkbox"/> Yes <input type="checkbox"/> No
2. Are E&S and PCSM/Site Restoration Plan drawings and narrative prepared and sealed by a licensed professional? <i>(Include interim restoration details when needed)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No
3. Include a Resource Delineation Report and answer the following questions: (If the answer to question a. is "Yes" then skip to #4. If the answer to a. is "No" the applicant must answer "Yes" to at least one of the questions, b. through d. to be eligible for expedited review.)	
a. Were all wetland resources delineated during the growing season?	<input type="checkbox"/> Yes <input type="checkbox"/> No
b. If not during the growing season, was a follow-up visit conducted during the growing season to verify/adjust boundaries and look for potentially missed resources?	<input type="checkbox"/> Yes <input type="checkbox"/> No
c. Was a quality assurance field review conducted at a later date by an independent qualified wetland professional to verify boundaries and look for potentially missed resources? (If yes, attach Quality Assurance Field Review Report)	<input type="checkbox"/> Yes <input type="checkbox"/> No
d. Was a Jurisdictional Determination (JD) or Preliminary JD conducted by the US Army Corps of Engineers on the whole project? (If yes, attach Preliminary or Jurisdictional Determination Report)	<input type="checkbox"/> Yes <input type="checkbox"/> No
4. If applicable, have you included PNDI clearance letters or other documentation from applicable resource agencies?	<input type="checkbox"/> Yes <input type="checkbox"/> No
5. If the project site contains, is along, or within 100 feet of a river, stream, creek, lake, pond or reservoir, will you establish new or preserve existing riparian forest buffer at least 100 feet in width between the top of streambank or normal pool elevation of a lake, pond or reservoir and areas of earth disturbances. If no, will a waiver be obtained? <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
6. Name of Licensed Professional	
Company	
Address	
Phone	

SECTION E. PROJECT INFORMATION																	
1. Total Project Area/Project Site (Ac):	1,346 (Also see Attachment 1-1.1)	Total Disturbed Area (Ac):	689.8 (Also see Attachment 1-1.1)														
Increased disturbed acreage <i>(for permit modification only)</i>																	
Fee: <i>(For additional information regarding fees, refer to NOI Instructions #3 Permit NOI Filing Fees.)</i>			\$ \$500 (Filing Fee), \$69,000 (Disturbed Acre Fee)														
2. Project Name: Regional Energy Access Expansion Project																	
3. Project Type (Check all that apply) <table border="0" style="width: 100%;"> <tr> <td><input type="checkbox"/> Oil/Gas Well ¹</td> <td><input checked="" type="checkbox"/> Transmission Facility</td> </tr> <tr> <td><input type="checkbox"/> Gathering Facility</td> <td><input type="checkbox"/> Processing Facility</td> </tr> <tr> <td><input type="checkbox"/> Treatment Facility</td> <td><input type="checkbox"/> Well Development Impoundment</td> </tr> <tr> <td><input checked="" type="checkbox"/> Compressor Station</td> <td><input type="checkbox"/> Non-FERC regulated Transmission Facility</td> </tr> <tr> <td><input checked="" type="checkbox"/> Pipeline</td> <td><input type="checkbox"/> Ground/Surface Water Withdrawal Site</td> </tr> <tr> <td><input type="checkbox"/> Storage Field Facility</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Other</td> <td></td> </tr> </table>				<input type="checkbox"/> Oil/Gas Well ¹	<input checked="" type="checkbox"/> Transmission Facility	<input type="checkbox"/> Gathering Facility	<input type="checkbox"/> Processing Facility	<input type="checkbox"/> Treatment Facility	<input type="checkbox"/> Well Development Impoundment	<input checked="" type="checkbox"/> Compressor Station	<input type="checkbox"/> Non-FERC regulated Transmission Facility	<input checked="" type="checkbox"/> Pipeline	<input type="checkbox"/> Ground/Surface Water Withdrawal Site	<input type="checkbox"/> Storage Field Facility		<input type="checkbox"/> Other	
<input type="checkbox"/> Oil/Gas Well ¹	<input checked="" type="checkbox"/> Transmission Facility																
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<input type="checkbox"/> Treatment Facility	<input type="checkbox"/> Well Development Impoundment																
<input checked="" type="checkbox"/> Compressor Station	<input type="checkbox"/> Non-FERC regulated Transmission Facility																
<input checked="" type="checkbox"/> Pipeline	<input type="checkbox"/> Ground/Surface Water Withdrawal Site																
<input type="checkbox"/> Storage Field Facility																	
<input type="checkbox"/> Other																	
¹ If Oil/Gas Well; is the well conventional or unconventional? <input type="checkbox"/> Conventional <input type="checkbox"/> Unconventional																	

Project Description

Transco, indirectly owned by The Williams Companies, Inc. (Williams), is seeking authorization from the Federal Energy Regulatory Commission (FERC or Commission) under Section 7(c) of the Natural Gas Act and Part 157 of the Commission's regulations, to construct, own, operate, and maintain the proposed Project facilities

The Project is an expansion of Transco's existing natural gas transmission system that will enable Transco to provide an incremental 829,400 dekatherms per day (Dth/d) of year-round firm transportation capacity from the Marcellus Shale production area in northeastern Pennsylvania (PA) to multiple delivery points along Transco's Leidy Line in PA, Transco's mainline at the Station 210 Zone 6 Pooling Point in Mercer County, New Jersey (NJ) and multiple delivery points in Transco's Zone 6 in NJ, PA, and Maryland (MD). The Project will consist of the following components:

- Approximately 22.3 miles of 30-inch-diameter pipeline partially collocated with Transco's Leidy Line A from milepost (MP) 0.00 to MP 22.32 in Luzerne County, PA (Regional Energy Lateral);
 - Approximately 13.8 miles of 42-inch-diameter pipeline collocated with Transco's Leidy Line System from MP 43.72 to MP 57.50 in Monroe County, PA (Effort Loop);
 - New gas-fired turbine driven compressor station identified as Compressor Station 201 with 11,107 nominal horsepower (HP) at International Organization of Standardization (ISO) conditions in Gloucester County, NJ;
 - Addition of two gas-fired turbine driven compressor units with 31,800 nominal HP at ISO conditions at existing Compressor Station 505 in Somerset County, NJ, to accommodate the abandonment and replacement of approximately 16,000 HP from eight existing internal combustion engine-driven compressor units and increase the certificated station compression by 15,800 HP;
 - Addition of two gas-fired turbine driven compressor units with 63,742 nominal HP at ISO conditions and modification of three existing compressors at existing Compressor Station 515 in Luzerne County, PA to support the Project and to accommodate the abandonment and replacement of approximately 17,000 HP from five existing gas-fired reciprocating engine driven compressors and increase the certificated station compression by 46,742 HP;
 - Uprate and rewheel two existing electric motor-driven compressor units at existing Compressor Station 195 in York County, PA to increase the certificated station compression by 5,000 HP and accommodate the abandonment of two existing gas-fired reciprocating engine driven compressors which total approximately 8,000 HP of compression;
 - Modifications at existing Compressor Station 200 in Chester County, PA;
 - Uprate one existing electric motor-driven compressor unit at Compressor Station 207 in Middlesex County, NJ to increase the certificated station compression by 4,100 HP;
 - Modifications to three (3) existing pipeline tie-ins in PA (Hildebrandt Tie-in, Lower Demunds REL Tie-in, and Carverton Tie-in);
 - Addition of regulation controls at an existing valve setting on Transco's Mainline "A" in Bucks County, PA (Mainline A Regulator);
 - Modifications at the existing Delaware River Regulator in Northampton County, PA;
 - Modifications at the existing Centerville Regulator in Somerset County, NJ;
 - Modifications to the existing valves and piping at the Princeton Junction (Station 210 Pooling Point) in Mercer County, NJ;
 - Modifications to three (3) existing delivery meter stations in NJ (Camden M&R Station, Lawnside M&R Station, and Mt. Laurel M&R Station);
 - Modifications to one (1) existing delivery meter station in MD (Beaver Dam M&R Station);
 - Contractual changes (no modifications) at ten (10) existing delivery meter stations in PA and NJ (Algonquin-Centerville Meter Station, Post Road Meter Station, New Village Meter Station, Spruce Run Meter Station, Marcus Hook Meter Station, Ivyland Meter Station, Repaupo Meter Station, Morgan Meter Station, Lower Mud Run Meter Station, and Chesterfield Meter Station);
 - Additional ancillary facilities, such as mainline valves (MLVs), cathodic protection, communication facilities, and internal inspection device (e.g., pig) launchers and receivers in PA; and
 - Existing, improved, and new access roads and contractor yards/staging areas in PA, NJ, and MD.
- Provide the date of pre-application meeting (if conducted with the Department) 04/27/20, 07/09/20, 09/04/20, 09/30/20, 12/15/20, 12/16/20, 01/06/21, 02/05/21

4. Provide the latitude and longitude coordinates for the center of the project. The coordinates should be in Decimal degrees and North American Datum 1983. The coordinates must meet the current DEP policy regarding locational accuracy. For linear projects provide the project's termini. See Attachment 1-1.1

Latitude (DD) . Latitude (DD) . Horizontal Collection Method: <input type="checkbox"/> GPS <input checked="" type="checkbox"/> Interpolated from U.S.G.S. Topographic Map <input type="checkbox"/> DEP's eMAP	Longitude (DD) - . Longitude (DD) - .				
5. U.S.G.S. 7.5 min. topographic quadrangle Name (See Attachment 1-1.1) <i>(Include a copy of the project area on the 7.5 min quad map)</i>					
6. Will the project be conducted as a phased permit project? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Include Master Site Plan Estimated Timetable for Phased Projects. <input type="checkbox"/> Additional sheet(s) attached.					
Phase No. or Name	Description	Total Area	Disturbed Area	Start Date	End Date
7. List existing and previous land use for a minimum of the previous 5 years. (See Section 2 of this ESCGP-3 Application)					
8. Other Pollutants: Will the stormwater discharge contain pollutional substances other than sediment? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
9. Will fuels, chemicals, solvents, other hazardous waste or materials be used or stored on site during earth disturbance activities or will Horizontal Directional Drilling (HDD) activities be conducted? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If yes, Preparedness, Prevention and Contingency (PPC) Plan must be maintained on site during earth disturbance. See NOI Instructions, E.9 PPC Plan Guidance for further information.)</i>					
10. Is the project in the watershed of an impaired surface water where the cause of the impairment is identified as siltation? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (See Section 2-5 of this ESCGP-3 Application) <i>(If yes, show how the project will not result in a net change in volume, rate or water quality. See section I below, and E.10 of NOI instructions.)</i>					
11. Are there potentially hazardous naturally occurring geological or soil conditions in any portion of the project or surrounding area? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, do the potentially hazardous geologic or soil conditions have the potential to cause or contribute to pollution as a result of the proposed earth disturbance activities? If no, provide an explanation. If yes, Geologic Hazard Mitigation Plan must be attached and explain where in this application details are provided.					
12. Has the Act 14 Municipal Notification and proof of receipt of notification been attached to the NOI? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If not, the NOI is not complete, see E.12 and #4 Municipal Notification in the NOI Instructions for additional guidance.)</i>					
13. Has the PNDI receipt been attached to the NOI? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If not, the NOI is not complete, see E.13 and #5 PNHP in the NOI Instructions for additional guidance.)</i>					
14. Have the E&S Plan and PCSM/SR Plan been planned and designed to be consistent? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
15. Have existing and/or proposed Riparian Forest Buffers been identified? Yes <input checked="" type="checkbox"/> N/A <input type="checkbox"/> <i>(If yes, they must be shown on the E&S Plan as well as the PCSM/SR Plans.)</i>					
16. Have antidegradation implementation requirements for special protection waters been addressed? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> <i>(If yes, antidegradation requirements must be included in the plan.)</i>					

17. Has the seasonal high groundwater level been identified and 20-inch separation established at all excavation locations for pits for conventional operations and Well Development Impoundments for unconventional operations?

Yes ☐ No ☐ N/A ☒

<p>18. Receiving Waters</p> <p><u>Effort Loop-</u></p> <p><u>Lake Creek (HQ-CWF,MF)</u></p> <p><u>Princess Run (CWF,MF)</u></p> <p><u>Weir Creek (CWF,MF)</u></p> <p><u>McMichael Creek (EV, MF) and (HQ-CWF)</u></p> <p><u>Pohopoco Creek (CWF,MF)</u></p> <p><u>Sugar Hollow Creek (CWF,MF)</u></p> <p><u>Poplar Creek (EV,CWF,MF)</u></p> <p><u>Mud Run (HQ-CWF, MF)</u></p> <p><u>Mud Pond Run (HQ- CWF,EV,MF)</u></p> <p><u>Tunkhannock Creek (HQ- CWF,MF)</u></p> <p><u>Regional Energy Lateral- Stony Run (HQ-CWF,MF)</u></p> <p><u>Shades Creek (HQ-CWF,MF)</u></p> <p><u>Little Shades Creek (HQ- CWF,MF)</u></p> <p><u>Snider Run (HQ-CWF,MF)</u></p> <p><u>Meadow Run (HQ-CWF,MF)</u></p> <p><u>Bear Creek (HQ-CWF,MF)</u></p> <p><u>Little Bear Creek (HQ- CWF,MF)</u></p> <p><u>Mill Creek (CWF,MF)</u></p> <p><u>Gardner Creek (CWF,MF)</u></p> <p><u>Susquehanna River (WWF,MF)</u></p> <p><u>Abrahams Creek (CWF,MF)</u></p> <p><u>Toby Creek (CWF,MF)</u></p> <p><u>Trout Brook (CWF,MF)</u></p> <p><u>Compressor Station 515- Shades Creek (HQ-CWF,MF)</u></p> <p><u>Stony Run (HQ-CWF,MF)</u></p> <p><u>Compressor Station 200- Valley Creek (EV,MF)</u></p> <p><u>Delaware River Regulator- Mud Run (CWF, MF)</u></p> <p><u>Mainline "A" Regulator - Dyers Creek (WWF,MF)</u></p> <p><u>See Attachment 1-1.1 for detailed list.</u></p>	<p>Chapter 93, Designated Use Stream Classification</p> <p><input checked="" type="checkbox"/> HQ <input checked="" type="checkbox"/> EV <input checked="" type="checkbox"/> Other <u>CWF, MF, WWF</u></p> <p><input checked="" type="checkbox"/> Siltation-impaired</p> <p><input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____</p> <p><input type="checkbox"/> Siltation-impaired</p>	<p>Chapter 93, Existing Use Stream Classification</p> <p><input type="checkbox"/> HQ <input checked="" type="checkbox"/> EV <input checked="" type="checkbox"/> Other <u>MF</u></p> <p><input type="checkbox"/> Siltation-impaired</p> <p><input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____</p> <p><input type="checkbox"/> Siltation-impaired</p>
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	<input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired <input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired	<input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired <input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired
Secondary Receiving Water	Secondary Chapter 93, Designated Use	Secondary Existing Use
Name of Municipal or Private Separate Storm Sewer Operator, if applicable.		
Non-Surface Receiving Water: (include off-site discharges)		

SECTION F. EROSION AND SEDIMENT CONTROL (E&S) PLAN
See the attached Instructions for additional guidance with E&S Plans

Erosion and Sediment Control Plan BMPs should be designed to minimize accelerated erosion and sedimentation through limiting the extent and duration of earth disturbance, protection of existing drainage and vegetation, limiting soil compaction and controlling the generation of increased runoff. The Department recommends the use of the *Pennsylvania Erosion & Sedimentation Pollution Control Program Manual (E&S Manual)* (363-2134-008) to achieve this goal. The E&S Plan must meet the requirements of Pa. Code § 102.4(b) and submitted with the NOI. Also, see section 2. of the NOI instruction for detailed information on completing the E&S plan and additional requirements.

a. E&S Plan Summary

Provide a summary of proposed E&S BMPs and their performance to manage E&S for the project.

Typical BMPs provided along the pipeline Right-Of-Way includes waterbars, trench plugs, compost filter socks, compost sediment traps, rock filter outlets, erosion control blankets, rock construction entrances, temporary equipment bridges, timber mats, diversion channels, level spreaders, mulch and seed. An appropriate sediment removal device (filter bag, dewatering structure) and well-vegetated area will be utilized for trench dewatering. In HQ, EV watersheds, appropriate Antidegradation Best Available Combination of Technologies (ABACT) BMPs will be utilized. Additional information regarding all the proposed BMPs are provided in the Erosion and Sedimentation Control and Site Restoration Plans of respective project components (Section 2 of this ESCGP-3 Application).

b. E&S Plan BMP Design

Check those that apply:

- ☒ E&S Plan is designed using BMPs in the *E&S Manual*.
- ☐ E&S Plan is designed using an alternative BMP or design standard approved by DEP.

Note: NOI packages submitted with alternate BMPs not approved by the Department will be returned to the Applicant.

c. Do you have any information regarding riparian buffer which differs from Section G, Riparian Buffer?

Yes ☐ No ☒

Explain:

d. Thermal Impacts Analysis

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

Thermal impacts associated with Regional Energy Access Expansion Project will be avoided to the maximum extent possible. Minimum permanent changes in land cover are being proposed for constructing the pipeline facilities. Runoff from impervious areas added during the project will be suitably routed to Stormwater BMPs. Gravel will be used for access roads wherever practicable. To avoid thermal impacts arising from clearing and grading, removal of vegetation will be limited to only that necessary for construction and construction Right-Of-Way will be limited to 75 feet in wetlands and floodways where practical. Once construction activities are complete, disturbed areas will be restored to pre-construction contours and seeded as described in Erosion and Sediment Control and Site Restoration Plans. Temporary workspaces will be restored back with woody and herbaceous species. Thermal impacts assessments corresponding to each project component including pipelines and aboveground facilities are given in Section 2 and 3 of this ESCGP-3 Application.

e. Off-Site Discharge Analysis

Does the activity propose any off-site discharges to areas other than surface waters? ☒ Yes ☐ No

If yes, it is the applicant's responsibility to ensure that they have legal authority for any off-site discharge to neighboring properties.

The applicant must provide a demonstration in both E&S and PCSM/SR plans that the discharge will not cause erosion, damage, or a nuisance to off-site properties.

See Offsite Discharge Analysis Sections in E&S Narratives

SECTION G. RIPARIAN BUFFER

1. Will you be protecting, converting or establishing a voluntary riparian forest buffer as part of this project?
☐ Yes ☒ No
If yes, as part of the PCSM/SR Plan, provide a Buffer Management Plan.
2. Will proposed earth disturbance activities be conducted in an EV or HQ watershed AND within 150 feet of a perennial or intermittent river, stream, or creek, or lake, pond, or reservoir? ☒ Yes ☐ No
If no, proceed to the next section/module.
3. Does this project qualify for an exception (see § 102.14(d)(1))? ☒ Yes ☐ No
If yes, indicate below the type of project for which the exception applies by marking the appropriate box.
☐ Oil and gas activities for which site reclamation or restoration is part of the permit authorization in Chapter 78 and 78a.
☒ Road maintenance activities.
☐ The repair or maintenance of existing pipelines and utilities.
☐ Other (see §102.14(d)(1))
If exceptions are checked, explain how existing riparian buffer will be undisturbed to the extent practicable. Provide a demonstration that the requirements of §102.14(b) are met, or provide the necessary information to request a riparian buffer waiver.
4. Are you requesting a riparian buffer waiver for this project (see § 102.14(d)(2))? ☒ Yes ☐ No
If yes, indicate below the type of project for which you are requesting a waiver by marking the appropriate box.
☒ Linear project that may include pipelines, public roadways, rail lines, or utility lines.
☒ Project is of a temporary nature where the site will be fully restored to its preexisting conditions during the ESCGP permit term.
☒ Project where compliance with mandatory riparian buffers is not appropriate or feasible due to site characteristics or existing structures at the project site.
☐ Other (see §102.14(d)(2)):
If waivers are checked, explain how existing riparian buffers will be undisturbed to the extent practicable.
Note: If "Yes" to #2 **AND** "No" to #3 and #4, provide an attachment to demonstrate how the requirements of §102.14 are met.

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PCSM) AND/OR SITE RESTORATION(SR) PLAN

See NOI Instructions for additional guidance with PCSM Plans

PCSM/SR BMPs should be designed to use natural measures to eliminate pollution, infiltrate runoff, not require extensive construction/maintenance, promote pollutant reduction, and preserve the integrity of stream channels. All PCSM/SR BMPs proposed in the PCSM/SR Plan must be designed in accordance with Ch. 102, Ch. 78a for unconventional operations, Ch. 78 for conventional operations and the *Pennsylvania Stormwater Best Management Practices Manual (Stormwater BMP Manual)* (363-0300-002). If alternate design criteria are utilized for the proposed project, they must have prior approval by the Department, or the NOI Application will be returned to the Applicant.

After construction is completed, how much of the entire disturbed area will be restored to meadow in good condition or better, or existing conditions? ☐ All ☒ Partial ☐ None

Include PCSM narrative and drawings for remaining impervious area. Also include a map showing the proposed contours of the site restoration plan.

If there are additional stages of the project prior to permit termination or expiration, list the stages and provide the documents required by subsection 'a' to section 'g' for each stage (e.g. partial restoration or changes to the amount of compacted areas, gravel, and/or impervious areas). Upload a narrative for each additional stage in addition to the drawings.

EXAMPLE

Stage No	Stage Name	PCSM Plan	SR Plan
Stage 1		<input type="checkbox"/>	<input type="checkbox"/>
Stage 2		<input type="checkbox"/>	<input type="checkbox"/>
Stage 3		<input type="checkbox"/>	<input type="checkbox"/>
Stage 4		<input type="checkbox"/>	<input type="checkbox"/>

Act 167 Consistency. Check those that apply.

Is there an Act 167 Plan? ☒ Yes ☐ No

☒ The attached PCSM/SR Plan is consistent with an applicable approved Act 167 Plan.

Complete the following for all approved Act 167 Stormwater Management Plans. (Use additional sheets if necessary)

Act 167 Plan Name _____ Date Adopted _____ Consistency Letter Included ☐

Luzerne County Stormwater August 18, 2010 Verification Report Included ☒

Management Ordinance

Valley Creek Watershed Stormwater February 04, 2011

Management Plan

Note: A consistency letter is not required if a verification report is provided. See NOI Instructions. The PCSM/SR Plan must satisfy either sub paragraph 1, 2, or 3 below. Check those that apply.

1. ☒ Act 167 Plan approvals on or after January 2005 – The attached PCSM/SR Plan, in its entirety, is consistent with all requirements pertaining to rate, volume, and water quality from an Act 167 Stormwater Management Plan approved by DEP on or after January 2005. Box 1 must be checked if a current, DEP approved Act 167 plan exists.
2. ☒ The PCSM/SR Plan meets the standard design criteria from sections 102.8(g)(2) and (3) and the *Stormwater BMP Manual*. For projects involving oil and gas activities authorized by a permit issued under Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure, post construction stormwater management requirements are met for all areas that are restored to preconstruction conditions or to a condition of meadow in good condition or better. *[Note: PCSM plans must meet both the volume and rate requirements in the regulations, which are provided in the 2 sections mentioned in this paragraph].*
3. ☐ Alternative Design Standard – The attached PCSM/SR Plan was developed using approaches as provided in 102.8(g)(2)(iv) and 102.8(g)(3)(iii). Demonstrate/explain in the space provided below how this standard will be either more protective than what is required in 102.8(g)(2) and 102.8(g)(3) or will maintain and protect existing water quality and existing and designated uses.

PCSM/SR BMP Alternative Standards:

Has the alternative BMP or design standard been approved by the Department?

☐ Yes

☐ No – Do not submit the ESCGP-3 application and see Section (H) of the NOI Instructions concerning the alternative BMP approval process.

Water Quality Compliance:

Does the PCSM/SR plan comply with requirements for volume control? ☒ Yes ☐ No

If yes, is at least 90% of the disturbed area controlled by a PCSM BMP? ☒ Yes ☐ No

If yes, do you have the Standard PCSM Worksheet # 10 attached to show water quality compliance has achieved?

☒ Yes ☐ No

If no, attach Standard PCSM Worksheets # 12 and #13 to show water quality compliance has achieved.

If PCSM/SR plan is not complying with the requirements for volume control, attach Standard PCSM Worksheets # 11, # 12 and #13 to show water quality compliance has achieved.

a. PCSM/SR Plan Summary

Provide a summary of proposed BMPs and their performance to manage PCSM/SR for the project.

Along the pipeline Right-Of-Way, typical E&S BMPs such as waterbars and erosion control blanket will be left in place as part of site restoration. After construction activities are completed, temporary workspaces will be restored to meadow in good condition or better than existing conditions. For the aboveground facilities, PCSM BMPs such as infiltration basins, diversion channels and vegetated swales will be used and left in place as part of site restoration. Additional information regarding all the proposed BMPs are provided in the Post-Construction Stormwater Management Plans of respective project components (Section 3 of this ESCGP-3 Application).

Check all that apply ☒ PCSM BMPs ☒ SR BMPs

b. Do you have any information regarding riparian buffer which differs from what was submitted in the Section G, Riparian Buffer?

☐ Yes ☒ No

Explain:

c. Thermal Impacts Analysis

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

Runoff collected in PCSM BMPs such as infiltration basins will mitigate thermal impacts from post construction stormwater. Runoff collected in infiltration basins are discharged to receiving waters are not expected to be retained for more than 24 hours. Minimum permanent changes in land cover are being proposed for constructing the pipeline facilities. Gravel will be used for access roads wherever practicable. Removal of trees and riparian vegetation and addition of impervious surfaces will be limited to only that necessary for construction. Once construction activities are complete, disturbed areas will be restored to pre-construction contours and seeded as described in Erosion and Sedimental Control and Site Restoration Plans. Temporary workspaces will be restored back with woody and herbaceous species. Thermal impacts assessments corresponding to each project component including pipelines and aboveground facilities are given in Section 2 and 3 of this ESCGP-3 Application.

d. Off-Site Discharge Analysis.

Does the activity propose any off-site discharges to areas other than surface waters? ☒ Yes ☐ No

If yes, it is the applicant's responsibility to ensure that they have legal authority for any off-site discharge to neighboring properties.

The Applicant must provide a demonstration in both the E&S and PCSM/SR Plans that the discharge will not cause erosion, damage, or a nuisance to off-site properties.

See Offsite Discharge Analysis Sections in PCSM Narratives

NOI Section H. POST CONSTRUCTION STORMWATER MANAGEMENT (PCSM) PLANS

Summary Calculations of Post Construction Stormwater BMPs

1. Regional Energy Lateral Pipeline - MLV-515RA20
2. Regional Energy Lateral Pipeline - MLV-515RA30
3. Regional Energy Lateral Pipeline - Carverton Tie-in
4. Regional Energy Lateral Pipeline - Lower Demunds REL Tie-in
5. Regional Energy Lateral Pipeline – Hildebrandt Tie-in/MLV-515RA40
6. Effort Loop Pipeline - MLV-505LD86
7. Compressor Station 200
8. Compressor Station 515

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - MLV-515RA20 - Zenker Valve Yard

e. Summary Table for Supporting Calculation and Measurement Data
(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Mill Creek			
Volume Control design storm frequency 2-year Rainfall amount 2.95 inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.19	+0.19
Volume of stormwater runoff (acre- feet) without planned stormwater BMPs	0.04	0.06	+0.02
Volume of stormwater runoff (acre- feet) with planned stormwater BMPs		0.03	-0.01
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	3.51	3.22	-0.29
2) 10-Year/24-Hour	6.82	6.17	-0.65
3) 50-year/24-Hour	11.88	11.12	-0.76
4) 100-year/24-Hour	14.91	14.91	-0.00

f. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Vegetated Swale	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input checked="" type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ <u>1,396cf(2-yr);</u> <u>6,186cf(100-yr)</u>	_____ _____ <u>0.28</u>
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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g. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Dry Extended Detention Basin area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Channels to ensure they have been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Dry Extended Detention Basin to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Dry Extended Detention Basin the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. At completion of Collection Channel C1 to ensure it has been constructed to the proposed line and grade, the specified lining material has been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
6. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to Collection Channel C1.
7. For final inspection of constructed BMPs.
8. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL GENERAL PERMIT (ESGCP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR TRANSMISSION FACILITIES

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - MLV-515RA30 - Wyoming Valve Yard

b. Summary Table for Supporting Calculation and Measurement Data (See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Susquehanna-Solomon Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>2.57</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.24	+0.24
Volume of stormwater runoff (acre- feet) without planned stormwater BMPs	0.03	0.06	+0.03
Volume of stormwater runoff (acre- feet) with planned stormwater BMPs		0.03	-0.00
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.22	0.02	-0.20
2) 10-Year/24-Hour	0.68	0.03	-0.65
3) 50-year/24-Hour	1.52	0.06	-1.46
4) 100-year/24-Hour	2.06	0.07	-1.99

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Soil Amendment	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>451cf(2-yr);</u> <u>2,511cf(100-yr)</u> _____ _____ _____ _____	_____ <u>0.21</u> _____ _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input checked="" type="checkbox"/> Other <u>Vegetated Swale</u>	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	 <u>1,009cf(2-yr):</u> <u>4,264cf(100-yr)</u>	 <u>0.49</u>
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Vegetated Swale area has been flagged and fence erected to prevent access to the area.
2. At the beginning of construction of the Vegetated Swale to ensure the infiltration area has not been compacted by construction activities.
3. During construction of the Vegetated Swale the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
4. At completion of Collection Channel C1 to ensure it has been constructed to the proposed line and grade, the specified lining material has been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the infiltration berm.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - Carverton Tie-In

<p align="center">b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i></p> <p>The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Abrahams Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>2.61</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.03	0.11	+0.08
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.02	0.03	+0.01
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.00	-0.02
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.46	0.00	-0.46
2) 10-Year/24-Hour	0.91	0.00	-0.91
3) 50-year/24-Hour	1.61	0.00	-1.61
4) 100-year/24-Hour	2.01	0.00	-2.01

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>1,280cf (2-yr);</u> <u>4,445cf(100-yr)</u>	_____ _____ _____ _____ <u>0.26</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. At the beginning of construction to ascertain the Infiltration Berm area has been flagged and fence erected to prevent access to the area.
2. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the infiltration berm.
3. At the beginning of construction of the Infiltration Berm to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the infiltration berm the licensed professional will observe that the berm is constructed in accordance with the plans and specifications.
5. For final inspection of constructed BMPs.
6. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - Lower Demunds REL Tie-In

<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i></p> <p>The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Toby Creek			
Volume Control design storm frequency 2-year Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.12	+0.12
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.02	0.04	+0.02
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.01	-0.01
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.20	0.00	-0.20
2) 10-Year/24-Hour	0.40	0.00	-0.40
3) 50-year/24-Hour	0.71	0.20	-0.51
4) 100-year/24-Hour	0.89	0.51	-0.38

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>1,481cf(2-yr);</u> <u>4,356cf(100-yr)</u> _____ _____ _____	_____ <u>0.17</u> _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Valve Yard Pad area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Berm/Channel to ensure it has been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Valve Yard Pad to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Valve Yard Pad the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the outlet structure.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline – MLV-515RA40-Hildebrandt Tie-In

b. Summary Table for Supporting Calculation and Measurement Data

(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Toby Creek

Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.0	0.22	+0.22
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.03	0.07	+0.04
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.01	-0.02
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.34	0.20	-0.14
2) 10-Year/24-Hour	0.67	0.38	-0.29
3) 50-year/24-Hour	1.20	0.65	-0.55
4) 100-year/24-Hour	1.52	0.80	-0.72

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Vegetated Swale	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>2,265cf(2-yr);</u> <u>5,881cf(100-yr)</u>	_____ <u>0.21</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____

<input type="checkbox"/> Roadside Vegetated Filter Strips		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Stormwater Energy Dissipaters	Infiltration/Recharge			
<input type="checkbox"/> Level Spreaders		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Riprap Aprons		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Upslope Diversions		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Other _____		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____

d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Valve Yard Pad area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Channel to ensure it has been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Valve Yard Pad to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Valve Yard Pad the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the outlet structure.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Effort Loop Pipeline-MLV-505LD86 Sugar Hollow Valve Yard

<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i> The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Pohopoco Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.26</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.09	0.62	+0.53
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.35	0.44	+0.09
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.28	-0.07
Stormwater discharge rate for the design frequency storm DA-1	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.01	0.01	-0.00
2) 10-Year/24-Hour	0.37	0.31	-0.06
3) 50-year/24-Hour	5.89	4.21	-1.68
4) 100-year/24-Hour	11.47	8.28	-3.19
Stormwater discharge rate for the design frequency storm DA-2	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	4.51	3.97	-0.54
2) 10-Year/24-Hour	12.49	12.28	-0.21
3) 50-year/24-Hour	26.58	24.35	-2.23
4) 100-year/24-Hour	35.41	31.74	-3.67

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input checked="" type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ <u>1,123cf(2-yr);</u> <u>21,318cf(100-yr)</u> _____ <u>5,915cf(2-yr);</u> <u>26,924cf(100-yr)</u>	_____ _____ <u>2.85</u> _____ <u>1.54</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. For the final grading of the access road, ensuring it is constructed according to the plan details for proper conveyance of runoff.
2. Following final grading and seeding of the diversion channels and basin, in order to confirm they have been constructed according to the plan details for proper collection and conveyance of runoff. Periodic assessments will need to be made to ensure accumulated sediment have been cleaned out so the channels and basin maintain the necessary design volumes.
3. During the layout and excavation of the outlet control structure, the professional or delegate will ensure sizing, materials specifications, and construction procedures are followed to enable proper storage in the basin.
4. Following final grading and seeding of the infiltration berm in order to confirm they have been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessment will need to be made to ensure that accumulated sediment have been cleaned out so the area behind the berm maintains the necessary design volume.
5. For final inspection of constructed channels, basin and berms.
6. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Compressor Station 200

b. Summary Table for Supporting Calculation and Measurement Data

(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Valley Creek

Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.30</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.25	0.40	+0.15
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.07	0.11	+0.04
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.07	-0.00
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	1.03	0.15	-0.88
2) 10-Year/24-Hour	2.06	1.39	-0.67
3) 50-year/24-Hour	3.19	2.79	-0.40
4) 100-year/24-Hour	3.97	3.50	-0.47

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>3,790cf(2-yr);</u> <u>11,631cf(100-yr)</u>	_____ _____ _____ _____ <u>0.56</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Following final grading and seeding of the infiltration berm in order to confirm it has been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessments will need to be made to ensure that accumulated sediment should be cleaned out so the channels and berm maintain necessary design volume.
2. For final inspection of constructed BMPs.
3. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E & S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESGCP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

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<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i> The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Bear Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.34	2.44	+2.10
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.50	0.81	+0.31
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.18	-0.32
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	5.46	1.76	-3.70
2) 10-Year/24-Hour	10.19	8.30	-1.89
3) 50-year/24-Hour	16.85	9.55	-7.30
4) 100-year/24-Hour	20.81	9.58	-11.23

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>31,799cf(2-yr):</u> <u>96,268cf(100-yr)</u>	_____ _____ _____ _____ <u>3.83</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

- Following final grading and seeding of the collection channels and infiltration berm in order to confirm they have been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessments will need to be made to ensure that accumulated sediment should be cleaned out so the channels and berm maintain necessary design volume.
- For final inspection of constructed BMPs.
- At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E & S controls.

SECTION I. ANTIDEGRADATION ANALYSIS

This section must be completed where earth disturbance activities will be conducted in the watershed of a surface water with an existing or designated use of exceptional value or high quality pursuant to Chapter 93 (relating to water quality standards), projects where any part is located in an exceptional value wetland in accordance with 25 Pa. Code § 105.17, and projects where any part is located in the watershed of an impaired surface water where the cause of impairment is identified as siltation.

Part 1 - NONDISCHARGE ALTERNATIVES EVALUATION

The applicant must consider and describe any and all non-discharge alternatives for the entire project area which are environmentally sound and will:

- Minimize accelerated erosion and sedimentation during the earth disturbance activity
- Achieve no net change from pre-development to post-development volume, rate and concentration of pollutants in water quality

E & S Plan	PCSM/SR Plan
<p>Check off the environmentally sound nondischarge Best Management Practices (BMPs) listed below to be used prior to, during, and after earth disturbance activities that have been incorporated into your E & S Plan based on the site analysis. For non-discharge BMPs not checked, provide an explanation of why they were not utilized. Also for BMPs checked, provide an explanation of why they were utilized. (Provide the analysis and attach additional sheets if necessary)</p> <p>See Section 2 of this ESCGP-3 Application</p>	<p>Check off the environmentally sound nondischarge Best Management Practices (BMPs) listed below to be used after construction that have been incorporated into the PCSM/SR Plan based on your site analysis. For non-discharge BMPs not checked, provide an explanation of why they were not utilized. Also for BMPs checked, provide an explanation of why they were utilized. (Provide the analysis and attach additional sheets if necessary)</p> <p>See Section 3 of this ESCGP-3 Application</p>
<p>Nondischarge BMPs</p> <p><input type="checkbox"/> Alternative Siting</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative location</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative configuration</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative location of discharge</p> <p><input checked="" type="checkbox"/> Limited Disturbed Area</p> <p><input type="checkbox"/> Limiting Extent & Duration of Disturbance (Phasing, Sequencing)</p> <p><input type="checkbox"/> Riparian Buffers (150 ft. min.)</p> <p><input type="checkbox"/> Riparian Forest Buffer (150 ft. min.)</p> <p><input type="checkbox"/> Other _____</p>	<p>Nondischarge BMPs</p> <p><input type="checkbox"/> Alternative Siting</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative location</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative configuration</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative location of discharge</p> <p><input type="checkbox"/> Low Impact Development (LID / BSD)</p> <p><input type="checkbox"/> Riparian Buffers (150 ft. min.)</p> <p><input type="checkbox"/> Riparian Forest Buffer (150 ft. min.)</p> <p><input checked="" type="checkbox"/> Infiltration</p> <p><input type="checkbox"/> Water Reuse</p> <p><input type="checkbox"/> Other _____</p>
<p>Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality during construction?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, antidegradation analysis is complete. If no, proceed to Part 2.</p>	<p>Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality after construction?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, antidegradation analysis is complete. If no, proceed to Part 2.</p>

PART 2 - ANTIDEGRADATION BEST AVAILABLE COMBINATION OF TECHNOLOGIES (ABACT)

If the net change in stormwater discharge from or after construction is not fully managed by nondischarge BMPs, the applicant must utilize ABACT BMPs to manage the difference. The Applicant must specify whether the discharge will occur during construction, post-construction or both, and identify the technologies that will be used to ensure that the discharge will be a non-degrading discharge. ABACT BMPs include but are not limited to:

E & S Plan	PCSM/SR Plan
<p><input checked="" type="checkbox"/> Treatment BMPs:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Sediment basin with skimmer <input type="checkbox"/> Sediment basin ratio of 4:1 or greater (flow length to basin width) <input type="checkbox"/> Sediment basin with 4-7 day detention <input type="checkbox"/> Flocculants <input checked="" type="checkbox"/> Compost Filter Socks <input checked="" type="checkbox"/> Compost Filter Sock Sediment Basin <input checked="" type="checkbox"/> RCE w/ Wash Rack <p><input checked="" type="checkbox"/> Land disposal:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Vegetated filters <input type="checkbox"/> Riparian buffers <150ft. <input type="checkbox"/> Riparian Forest Buffer <150ft. <input checked="" type="checkbox"/> Immediate stabilization <p><input checked="" type="checkbox"/> Pollution prevention:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> PPC Plans <input checked="" type="checkbox"/> Street sweeping <input checked="" type="checkbox"/> Channels, collectors and diversions lined with permanent vegetation, rock, geotextile or other non-erosive materials <p><input type="checkbox"/> Stormwater reuse technologies:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Sediment basin water for dust control <input type="checkbox"/> Sediment basin water for irrigation <p><input type="checkbox"/> Other _____</p>	<p><input checked="" type="checkbox"/> Treatment BMPs:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Infiltration Practices <input type="checkbox"/> Wet ponds <input type="checkbox"/> Created wetland treatment systems <input checked="" type="checkbox"/> Vegetated swales <input type="checkbox"/> Manufactured devices <input checked="" type="checkbox"/> Bio-retention/infiltration <input type="checkbox"/> Green Roofs <p><input type="checkbox"/> Land disposal:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Vegetated filters <input type="checkbox"/> Riparian Buffers <150ft. <input type="checkbox"/> Riparian Forest Buffer <150ft. <input type="checkbox"/> Disconnection of roof drainage <input type="checkbox"/> Bio-retention/bio-infiltration <p><input checked="" type="checkbox"/> Pollution prevention:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Street sweeping <input type="checkbox"/> Nutrient, pesticide, herbicide or other chemical application plan alternatives <input checked="" type="checkbox"/> PPC Plans <input checked="" type="checkbox"/> Non-structural Practices <input checked="" type="checkbox"/> Restoration BMPs <p><input type="checkbox"/> Stormwater reuse technologies:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Divert rainwater into impoundment <input type="checkbox"/> Underground storage <p><input type="checkbox"/> Spray/Drip Irrigation</p> <p><input type="checkbox"/> Other _____</p>
<p>Are the ABACT BMPs selected sufficient to minimize E&S discharges to the extent that existing or designated surface water uses are protected?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.</p>	<p>Are the ABACT BMPs selected sufficient to achieve no net change and assure that existing or designated surface water uses are protected?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.</p>

SECTION J. COMPLIANCE HISTORY REVIEW

Is/was the applicant(s) in violation of any Department regulation, order, schedule of compliance or permit or in violation of any department regulated activities within the past five years?

☒ Yes ☐ No

If yes, provide the permit number or facility name, a brief description of the violation, the compliance schedule (including dates and steps to achieve compliance) and the current compliance status. (Attach additional information on a separate sheet, when necessary)

Permit Program or Activity: Chapter 102, Chapter 105, PAG-10

Permit Number (if applicable):

1. ESG03000150001, ESG00350150001, ESG00081150001
2. E41-649
3. E-19-311, E36-947, E-38-195, E40-769, E49-336, E54-360, E58-315, E66-160, E41-667, E18-495,
4. PAG109632

Brief Description of non-compliance:

Consent Assessment of Civil Penalty, Reports past due.

Steps taken to achieve compliance

1. Consent Assessment of Civil Penalty
2. Consent Assessment of Civil Penalty. Permits being obtained to complete channel restoration
3. Consent Assessment of Civil Penalty
4. All past due reports were provided to PADEP

Date(s) compliance achieved

1. 9/20/2020
2. 8/9/2020
3. 9/20/2020
4. 12/14/2017



Current Compliance Status: ☒ In-Compliance

☐ In Non-Compliance

If in non-compliance, attach schedule for achieving compliance.

SECTION K. CERTIFICATION BY PERSON PREPARING E&S AND PCSM/SR PLANS

I do hereby certify to the best of my knowledge, information, and belief, that the Erosion and Sediment Control and PCSM/Site Restoration Plans are true and correct, represent actual field conditions, and are in accordance with the 25 Pa. Code Chapters 78/78a and 102 of the Department's rules and regulations. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Print Name Kevin C. Clark	Signature 	Professional Seal 	
Company BAI Group, LLC			
Address 2525 Green Tech Drive, Suite D, State College, PA-16803			
Phone (814) 238-2060			
Most Recent DEP Training Attended	Location		Date
e-Mail Address kclark@baigroupllc.com			

EXPEDITED REVIEW PROCESS

In addition to the certification required above, applicants using the expedited permit review process must attach an E&S and PCSM/Site Restoration Plans developed and sealed by a licensed professional engineer, surveyor or professional geologist. The plans shall contain the following certification:

I do hereby certify to the best of my knowledge, information, and belief, that the E & S Control and PCSM/SR BMPs are true and correct, represent actual field conditions and are in accordance with the 25 Pa. Code Chapters 78 / 78a and 102 of the Department's rules and regulations. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SECTION L. APPLICANT CERTIFICATION

Applicant Certification

I certify under penalty of law, as provided by 18 Pa. C.S.A. § 4904, that this application and all related attachments were prepared by me or under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my own knowledge and on inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. The responsible official's signature also verifies that the activity is eligible to participate in the ESCGP, and that the applicant agrees to abide by the terms and conditions of the permit. BMP's, E&S Plan, PPC Plan, PCSM Plan, and other controls are being or will be, implemented to ensure that water quality standards and effluent limits are attained.

I grant permission to the agencies responsible for the permitting of this work, or their duly authorized representative to enter the project site for inspection purposes. I will abide by the conditions of the permit if issued and will not begin work prior to permit issuance.

(For individuals no indication of title is necessary, choose the box below. All others proceed to the next paragraph)

☐ **Individual; proceed to signature portion.**

I hereby certify under penalty of law, as provided by 18 Pa. C.S.A. § 4904, that I am the person who is responsible for decision-making regarding environmental compliance functions for Transcontinental Gas Pipeline Company, LLC, the manager of one or more manufacturing, production, or operating facilities of the applicant and am authorized to make management decisions which govern the operation of regulated facility including having explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure the applicant's long term environmental compliance with environmental laws and regulations; and I am responsible for ensuring that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements.

(choose one of the following; not applicable for individuals):

☐ The responsible corporate officer ☐ president ☐ vice president ☐ secretary
☐ treasure of _____ Corporation/Company
Entity name

☒ The ☐ member or ☒ manager of Transcontinental Gas Pipe Line Company, LLC
Entity name

☐ The general partner of _____ partnership/LP/LLP
Entity name

☐ The principal executive officer or ranking elected official of _____ Municipality/State/Federal/other public
agency
Entity name

☐ Power of Attorney/delegation of contractual authority (documentation supporting delegation of contracting
authority must be provided) for _____
Entity name

Print Name and Title of Applicant Print Name and Title of Co-Applicant (if applicable)

Signature of Applicant Signature of Co-Applicant

Date Application Signed Date Application Signed

Notarization

Sworn to and subscribed to before me this
____ day of _____, 20____

Commonwealth of Pennsylvania
County of _____

Notary Public

My Commission expires _____

AFFIX SEAL

SECTION M. ADDITIONAL CONTACT INFORMATION			
Contact's Last Name	First Name	MI	Phone (814) 689-1650
Nelson	Ryan	J	FAX
Mailing Address	City	State	ZIP + 4
2525 Green Tech Drive, Suite B	State College	PA	16803
e-Mail Address ryann@whmgroup.com			

Section 1-1.1 NOI Supporting Information

Project Component	Site	Site Location City	ZIP Code	County	Municipality	Total Project Area/Project Site (Acre)	Total Disturbed Area (Acre)	Latitude / Longitude	U.S.G.S. 7.5 min. Topographic Quadrangle	Receiving Waters	Chapter 93, Designated Use Stream Classification	Chapter 93, Existing Use Stream Classification	Siltation Impaired
Regional Energy Lateral	Pipeline			Luzerne	Buck, Bear Creek, Plains, Jenkins, Kingston, Dallas, Wyoming, West Wyoming, Laflin	952.63	420.67 (includes CS 515 and sites below)	41.173337, -75.671706 (eastern terminus) 41.346917, -75.946263 (western terminus)	Kingston, Pittston, Avoca, Wilkes-Barre East, Pleasant View Summit	Stony Run, Shades Creek, Little Shades Creek, Snider Run, Meadow Run, Bear Creek, Little Bear Creek, Mill Creek, Gardner Creek, Susquehanna River, Abrahams Creek, Toby Creek, Trout Brook	MF, HQ-CWF, WWF, CWF	-	No
	CY-LU-001	Wyoming	18644	Luzerne	Wyoming		16.3 (Included within above total)	41.31016, -75.84636		Abrahams Creek	CWF, MF	-	No
	CY-LU-002	Wilkes-Barre	18702	Luzerne	Laflin		11.4 (Included within above total)	41.28491, -75.79026		Gardner Creek	CWF, MF	-	No
	MLV-515RA20	Wilkes-Barre	18702	Luzerne	Bear Creek Township		0.46 (Included within above total)	41.25279, -75.75856		Mill Creek	CWF, MF	-	No
	MLV-515RA30	Wyoming	18644	Luzerne	Wyoming Borough		0.44 (Included within above total)	41.30411, -75.84662		Susquehanna River	WWF		No
	Carverton Tie-in	Wyoming	18644	Luzerne	West Wyoming Borough		3.9 (Included within above total)	41.32053, -75.87270		Abrahams Creek	CWF, MF		No
	Lower Demunds REL Tie-in	Dallas	18612	Luzerne	Dallas Township		1.7 (Included within above total)	41.34652, -75.94551		Trout Brook	CWF, MF		No
	Hildebrandt Tie-in/MLV-515RA40	Dallas	18612	Luzerne	Dallas Township		3.1 (Included within above total)	41.34692, -75.94629		Toby Creek, Trout Brook	CWF, MF		No
	Laflin Borough Stream Stabilization	Wilkes-Barre	18702	Luzerne	Laflin Borough		0.94 (Included within above total)	41.28925, -75.80209		Gardner Creek	CWF, MF	-	No
Effort Loop	Pipeline			Monroe	Ross, Chestnuthill, Tunkhannock	360.63	262.18	40.896796, -75.370606 (Southeast Terminus) 41.053413, -75.526178 (Northwest Terminus)	Blakeslee, Pocono Pines, Brodheads ville, Saylorsburg	Lake Creek, Princess Run, Weir Creek, McMichael Creek, Pohopoco Creek, Sugar Hollow Creek, Poplar Creek, Mud Run, Mud Pond Run, Tunkhannock Creek	EV, MF, HQ-CWF, CWF	EV, MF	No

Regional Energy Access Expansion Project
ESCGP-3 Permit Application
Transcontinental Gas Pipe Line Company, LLC
Section 1-1.1 NOI Supporting Information

Project Component	Site	Site Location City	ZIP Code	County	Municipality	Total Project Area/Project Site (Acre)	Total Disturbed Area (Acre)	Latitude / Longitude	U.S.G.S. 7.5 min. Topographic Quadrangle	Receiving Waters	Chapter 93, Designated Use Stream Classification	Chapter 93, Existing Use Stream Classification	Siltation Impaired
	MLV-505LD86 Sugar Hollow Valve Yard	Effort	18330	Monroe	Chestnut Hill Township		8.8 (Included within above total)	40.96775, -75.42980		Sugar Hollow Creek	CWF, MF	-	No
	CY-MO-001	Saylorsburg	18353	Monroe	Ross Township		50.1 (Included within above total)	40.89803, -75.36784		Lake Creek, Princess Run	HQ-CWF, MF, CWF	-	No
Delaware River Regulator		Easton	18040	Northampton	Lower Mt. Bethel	11.28	3.25	40.76220 -75.19653	Bangor, PA	Mud Run	CWF, MF	-	No
Mainline “A” Regulator		Washington Crossing	18977	Bucks	Lower Makefield	0.94	0.530	40.26807, -74.85712	Pennington, NJ-PA	Dyers Creek, Delaware River	MF, WWF	-	No
Compressor Station 200		Frazer	19335	Chester	East Whiteland	20.28	3.16	40.04998, -75.58589	Malvern, PA	Valley Creek	EV, MF, CWF	-	Yes
Compressor Station 515		White Haven	18661	Luzerne	Buck	952.63 (Included with Regional Energy Lateral)	24.83 (included with Regional Energy Lateral)	41.17380, -75.67118	Pleasant View Summit, PA	Shades Creek, Stony Run	HQ-CWF, MF	-	No



MUNICIPAL NOTIFICATION OF PLANNED LAND DEVELOPMENT FOR CHAPTER 102 PERMITS

PROJECT INFORMATION (COMPLETED BY APPLICANT)

Applicant Name:	Transcontinental Gas Pipe Line Company, a subsidiary of Williams Partners, L.P.	Contact Name:	Joseph Dean Manager-Permitting
Applicant Address:	2800 Post Oak Blvd, Level 11	Contact Phone:	(713) 215-3427
Applicant City, State, ZIP:	Houston, TX 77056	County:	Luzerne

Description of Proposed Land Development and Stormwater Controls:

Municipality: **Kingston**

The Regional Energy Lateral component of the Regional Energy Access Expansion Project will consist of approximately 22.3 miles of 30-inch diameter pipeline, partially co-located with existing Transco Leidy Line-A, in Buck, Bear Creek, Plains, Jenkins, Kingston and Dallas Townships, and Laffin, Wyoming, and West Wyoming Boroughs, Luzerne County, Pennsylvania. The Regional Energy Lateral begins at existing Compressor Station 515 in Buck Township and continues westward to its terminus at Transco's existing Hildebrandt Tie-in in Dallas Township. Transco will be installing four mainline valves with appurtenant equipment, as a means to isolate gas flows along the Regional Energy Lateral. The mainline valve sites at each pipeline terminus (MLV515RA10 at Compressor Station 515 and MLV515RA40 at the Hildebrandt Tie-in) will also have pig traps (industry term for manifolds that launch or receive in-line inspection tools). The other two valve sites are proposed along the pipeline route (MLV515RA20 at Milepost 7.5 and MLV515RA30 at Milepost 14.8). Modifications at three existing pipeline interconnects are proposed to tie-in the proposed pipeline to the existing facilities. The Carverton Tie-In is located at Milepost 16.8. The Lower Demunds Tie-In is located at Milepost 22.3 and also includes a +/- 400-ft segment of 20-in pipeline to connect to the existing facility. The Hildebrandt Tie-In is located at the Regional Energy Lateral pipeline terminus and includes MLV515RA40. Two contractor yards are proposed for the Project and are located adjacent to the pipeline. CY-LU-001 is located at Milepost 15.3 and CY-LU-002 is located at Milepost 10.5. Cathodic protection equipment will be installed along the pipeline route. Deep anode ground beds are proposed at Mileposts 7.5 and 19.8, and one remote anode ground bed is proposed at Milepost 15.3. E&S BMP's are proposed within Kingston Township.

Project Area: **120.19** acres ☐ PhasedDisturbance: **47.64** acres

Tax Parcel ID(s) Affected by Proposed Land Development:

See attached table

Surface Waters Receiving Stormwater Discharges:

Abrahams Creek, Toby Creek, Trout BrookDischarge to: ☐ MS4 ☐ Other SS ☐ CSS

The following information was submitted to the municipality for this project:

☐ Land Development / Subdivision Plan
 ☒ E&S Plan
 ☐ PCSM Plan
 ☐ Other:

***On March 31, 2021 Transco submitted to you its E&S and PCSM Plans (Plans) as part of the ESCGP-3 permit application notification. The purpose of this notice is to let you know that Transco will be submitting an Erosion and Sediment Control Permit for Discharges of Stormwater Associated with Construction Activities Application to the PA Dept. of Environmental Protection to replace the ESCGP-3 application. Please refer to the previously submitted Plans.**

MUNICIPAL PLAN / ORDINANCE INFORMATION (COMPLETED BY MUNICIPALITY)

1. Is there an adopted municipal or multi-municipal comprehensive plan? ☐ Yes ☐ No
2. Is there an enacted municipal or multi-municipal zoning ordinance? ☐ Yes ☐ No
3. If Yes to #2, is the proposed project consistent with the ordinance? ☐ Yes ☐ No
4. Is there a municipal stormwater management ordinance? ☐ Yes ☐ No
5. If Yes to #4, is the proposed project consistent with the ordinance, without waiver? ☐ Yes ☐ No
6. If Yes to #4, indicate type of ordinance: ☐ Act 167 Model Ordinance ☐ DEP Model Ordinance (MS4s) ☐ Other


APPLICANT CERTIFICATION

I certify under penalty of law (see 18 Pa.C.S. § 4904 (relating to unsworn falsification)) that the information reported herein was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the information, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

MUNICIPAL ACKNOWLEDGEMENT

The municipality acknowledges that a permit application for the above-referenced project has been submitted to a reviewing agency and that notification requirements of Act 14 of 1984 and Acts 67, 68, and 127 of 2000 have been satisfied. The information reported herein by the municipality is true and accurate. The municipality reserves the right to comment to the reviewing agency relative to comprehensive plans, zoning, and stormwater ordinance consistency. Municipal acknowledgment of receipt of notification shall not be construed as project approval.

Joseph Dean

Applicant Name**Applicant Signature**

Manager - Permitting

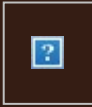
Applicant Title

07/01/2021

Date of Signature**Municipal Representative Name****Municipal Representative Signature****Municipal Representative Title****Date of Signature**

Tax Account Number/APN	Legal Desc County	Municipality
10D8 00A62A000	Luzerne	Kingston
35D9 00A006000	Luzerne	Kingston
35D9 00A006000	Luzerne	Kingston
35D9 00A006000	Luzerne	Kingston
35D9 00A024000	Luzerne	Kingston
35D9 00A06B000	Luzerne	Kingston
35D9 00A24C000	Luzerne	Kingston
35D9 00A24E000	Luzerne	Kingston
35E9 00A017000	Luzerne	Kingston
35E9 00A018000	Luzerne	Kingston
35E9 00A051000	Luzerne	Kingston
35E9 00A055000	Luzerne	Kingston
35E9 00A056000	Luzerne	Kingston
35E9 00A074000	Luzerne	Kingston
35E9 00A075000	Luzerne	Kingston
35E9 00A090000	Luzerne	Kingston
35E9 00A17B000	Luzerne	Kingston
35E9 00A18B000	Luzerne	Kingston
35E9 00A55A000	Luzerne	Kingston
35E9 00A56B000	Luzerne	Kingston
35E9S10 001008000	Luzerne	Kingston
35E9S10 001010000	Luzerne	Kingston
35E9S10 001011000	Luzerne	Kingston
35E9S10 001012000	Luzerne	Kingston
35E9S10 001013000	Luzerne	Kingston
35E9S10 001025000	Luzerne	Kingston
35E9S10 001025000	Luzerne	Kingston
35E9S4 009011000	Luzerne	Kingston
35E9S4 009020000	Luzerne	Kingston
35E9S4 009021000	Luzerne	Kingston
35E9S4 009022000	Luzerne	Kingston

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WHM CONSULTING, INC

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Ship To:	KINGSTON TOWNSHIP SUPERVISORS 180 EAST CENTER STREET SHAVERTOWN, PA 18708 US
Number of Packages:	1
UPS Service:	UPS Ground
Package Weight:	1.0 LBS
Reference Number:	WILLIAMS-20-244, TASK 2C



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March 31, 2021

UPS TRACKING (1Z8797VV039389260)

Kingston Township Supervisors
180 East Center Street
Shavertown, PA 18708

Re: Regional Energy Access Expansion Project– Regional Energy Lateral and Compressor Station 515
Pennsylvania Acts 14, 67, 68, and 127 Notification
Kingston Township, Luzerne County, Pennsylvania

Dear Township Supervisors:

This municipal notice, under the requirements of Act 14, 97 P.S. § 510-5, is to inform you that Transcontinental Gas Pipe Line Company, LLC (Transco), a subsidiary of The Williams Companies, Inc. (Williams) is applying for coverage under the Erosion and Sediment Control General Permit (ESCGP-3) for Earth Disturbance Associated with Oil & Gas Exploration, Production, Processing or Treatment Operations or Transmission Facilities from the Pennsylvania Department of Environmental Protection (DEP).

1) Project Name: Regional Energy Access Expansion Project – Regional Energy Lateral and Compressor Station 515

2) Project Description: Transco, indirectly owned by The Williams Companies, Inc. (Williams), is seeking authorization from the Federal Energy Regulatory Commission (FERC or Commission) under Section 7(c) of the Natural Gas Act and Part 157 of the Commission's regulations, to construct, own, operate, and maintain the proposed Project facilities. The Project is an expansion of Transco's existing natural gas transmission system that will enable Transco to provide an incremental 829,400 dekatherms per day (Dth/d) of year-round firm transportation capacity from the Marcellus Shale production area in northeastern Pennsylvania (PA) to multiple delivery points along Transco's Leidy Line in PA, Transco's mainline at the Station 210 Zone 6 Pooling Point in Mercer County, New Jersey (NJ) and multiple delivery points in Transco's Zone 6 in NJ, PA, and Maryland (MD).

The Regional Energy Lateral component of the Project will consist of approximately 22.3 miles of 30-inch diameter pipeline, partially co-located with existing Transco Leidy Line-A, in Buck, Bear Creek, Plains, Jenkins, Kingston and Dallas Townships, and Laflin, Wyoming, and West Wyoming Boroughs, Luzerne County, Pennsylvania. The Regional Energy Lateral begins at existing Compressor Station 515 in Buck Township and continues westward to its terminus at Transco's existing Hildebrandt Tie-in in Dallas Township. Transco will be installing four mainline valves with appurtenant equipment, as a means to isolate gas flows along the Regional Energy Lateral. The mainline valve sites at each pipeline terminus (MLV515RA10 at Compressor Station 515 and MLV515RA40 at the Hildebrandt Tie-in) will also have pig traps (industry term for manifolds that launch or receive in-line inspection tools). The other two valve sites are proposed along the pipeline route (MLV515RA20 at Milepost 7.5 and MLV515RA30 at Milepost 14.8). Modifications at three existing pipeline interconnects are proposed to tie-in the proposed pipeline to the existing facilities. The Carverton Tie-In is located at Milepost 16.8. The Lower Demunds Tie-In is located at Milepost 22.3 and also includes a +/- 400-ft segment of 20-in pipeline to connect to the existing facility. The Hildebrandt Tie-In is located at the Regional Energy Lateral pipeline terminus and includes MLV515RA40. Two contractor yards are proposed for the Project and are located adjacent to the pipeline. CY-LU-001 is located at Milepost 15.3 and CY-LU-002 is located at Milepost 10.5. Cathodic protection equipment will be installed along the pipeline route. Deep anode ground beds are proposed at Mileposts 7.5 and 19.8, and one remote anode ground bed is proposed at Milepost 15.3.

The existing Compressor Station 515 component of the Project is located at the eastern terminus of the Regional Energy Lateral in Buck Township, Luzerne County. Proposed at this facility is the addition of two gas-fired turbine driven compressor units with 63,742 nominal HP at ISO conditions and modification of three existing compressors to support the Project and to accommodate the abandonment and replacement of approximately 17,000 HP from five existing gas-fired reciprocating engine driven compressors and increase the certificated station compression by 46,742 HP. One Mainline Valve will be installed at this facility (MLV515RA10).

3) Applicant Name: Transcontinental Gas Pipe Line Company, LLC's (Transco), a subsidiary of Williams Partners L.P. (Williams)

4) Applicant Contact: Joseph Dean
Manager, Permitting
2800 Post Oak Blvd, Level 11
Houston, TX 77056
(713) 215-3427

5) Site Location: The proposed Project is located on the Kingston, Pittston, Wilks-Barre East, Pleasant View Summit, Pennsylvania, 7.5 Minute USGS quadrangle. The Project is partially co-located with an existing pipeline right-of-way. The eastern terminus of the Regional Energy Lateral is located at: 41°10'24.037" 75°40'18.141"W, and is also the location of Compressor Station 515. The western pipeline terminus: 41°20'48.869"N, 75°56'46.642"W.

6) Municipality / County: Buck, Bear Creek, Plains, Jenkins, Kingston, and Dallas Townships, Wyoming, West Wyoming, and Laflin Boroughs, Luzerne County

Act 14, which amended the Commonwealth's Administrative Code (71 P.S. § 510-5), requires every applicant for a new, amended, or revised permit to give written notice to each municipality (borough, township) and county government in which the facility is located. The municipality and county government must receive the written notice at least thirty (30) - days before DEP may issue or deny approval of coverage.

Enclosed is a complete copy of the Notice of Intent (NOI) completed for the project as well as copies of the erosion and sediment control plan.

Sincerely,

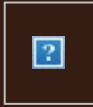


Ryan J. Nelson, PWS
WHM Consulting, LLC

Enclosures:

NOI Form
Erosion and Sediment Control Plan Drawings

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Subject: UPS Delivery Notification, Tracking Number 1Z8797VV0393089260
Date: Thursday, April 1, 2021 12:21:21 PM



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WHM CONSULTING, INC

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF WATER PROGRAMS
OFFICE OF OIL AND GAS MANAGEMENT

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 Check Date _____

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT
CONTROL GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH
OIL AND GAS EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT
OPERATIONS OR TRANSMISSION FACILITIES**

READ THE INSTRUCTIONS PROVIDED IN THIS PERMIT APPLICATION PACKAGE BEFORE COMPLETING THIS FORM. PLEASE PRINT OR TYPE INFORMATION IN BLACK OR BLUE INK.

SECTION A. APPLICATION TYPE

Check one:

NEW ☒ **RENEWAL** ☐ **MAJOR MODIFICATIONS (Provide ESCGP number)** ☐

PHASED ☐ (check only if applicable; *note: Most projects are not submitted as phased projects*)

Check one: **EXPEDITED** ☐ **STANDARD** ☒

If an Expedited Review Process being requested, be advised that the Expedited Review is not available for all projects. Refer to Section D - Expedited Review Process of the ESCGP-3 NOI Instructions to determine if the project is eligible.

SECTION B. CLIENT INFORMATION

Applicant's Last Name (If applicable)	First Name	MI	Telephone No.
Organization Name or Registered Fictitious Name Transcontinental Gas Pipe Line Company, LLC (Contact: Joseph Dean)			Telephone No. (713) 215-3427
DEP Client ID No.			
Headquarters Mailing Address 2800 Post Oak Blvd, Level 11	City Houston	State TX	ZIP Code 77056
Email Address Joseph.Dean@williams.com			
Co-Applicant's Last Name (If applicable)	First Name	MI	Telephone No.
Organization Name or Registered Fictitious Name 			Telephone No.

Address	City	State	ZIP Code
Email Address			

SECTION C. SITE INFORMATION					
Is there an existing ESCGP associated with this site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, Permit No. _____					
Has a well permit application been submitted for this site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, Permit No. _____					
Does this site have a 911 address? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, <u>provide site location address.</u>					
Site Name Regional Energy Access Expansion Project					
Site Location See Attachment 1-1.1- NOI Supporting Information			Site No. (if another permit has been issued for the site)		
Site Location – City See Attachment 1-1.1- NOI Supporting Information				State PA	ZIP Code
Detailed Written Directions to Site See Attachment 1-1.1- NOI Supporting Information for locations of all project sites					
Primary Location	County Luzerne, Northampton, Bucks, Chester, and Monroe	Municipality Buck, Bear Creek, Plains, Jenkins, Kingston, Lower Mt. Bethel, Ross, Chestnut Hill, Tunkhannock, Lower Makefield, East Whiteland and Dallas Townships Wyoming, West Wyoming, and Laflin Boroughs	City <input type="checkbox"/>	Boro <input checked="" type="checkbox"/>	Twp. <input checked="" type="checkbox"/>
SECTION D. EXPEDITED REVIEW					
I. Expedited Review Eligibility					
1. Is any part of the project in the watershed of a surface water with an existing or designated use of exceptional value or high quality pursuant to Chapter 93 (relating to water quality standards), in an exceptional value wetland in accordance with 25 Pa. Code § 105.17, or in the watershed of an impaired surface water where the cause of the impairment is identified as siltation?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
2. Will the project in which the well pad will be constructed be in or on a floodplain?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Is any earth disturbance located or proposed to be located on land known to be contaminated by the release of regulated substances as defined in Section 103 of Act 2, 35 P.S. § 6026.103?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4. Will naturally occurring geologic formations or soil conditions provide hazards to the project or surrounding environment or have the potential to cause or contribute to pollution when disturbed?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
5. Do any unresolved non-compliance issues exist with the applicant or the facility?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
6. Is the project a transmission project?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

<p>If yes to any of the above questions the project is not eligible for Expedited Review; If the project is eligible for Expedited Review, all the following items must be completed.</p>	
<p>II. Expedited Review Process</p>	
1. Is the technically and administratively complete and accurate NOI package prepared and certified by a licensed professional?	<input type="checkbox"/> Yes <input type="checkbox"/> No
2. Are E&S and PCSM/Site Restoration Plan drawings and narrative prepared and sealed by a licensed professional? <i>(Include interim restoration details when needed)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No
3. Include a Resource Delineation Report and answer the following questions: (If the answer to question a. is "Yes" then skip to #4. If the answer to a. is "No" the applicant must answer "Yes" to at least one of the questions, b. through d. to be eligible for expedited review.)	
a. Were all wetland resources delineated during the growing season?	<input type="checkbox"/> Yes <input type="checkbox"/> No
b. If not during the growing season, was a follow-up visit conducted during the growing season to verify/adjust boundaries and look for potentially missed resources?	<input type="checkbox"/> Yes <input type="checkbox"/> No
c. Was a quality assurance field review conducted at a later date by an independent qualified wetland professional to verify boundaries and look for potentially missed resources? (If yes, attach Quality Assurance Field Review Report)	<input type="checkbox"/> Yes <input type="checkbox"/> No
d. Was a Jurisdictional Determination (JD) or Preliminary JD conducted by the US Army Corps of Engineers on the whole project? (If yes, attach Preliminary or Jurisdictional Determination Report)	<input type="checkbox"/> Yes <input type="checkbox"/> No
4. If applicable, have you included PNDI clearance letters or other documentation from applicable resource agencies?	<input type="checkbox"/> Yes <input type="checkbox"/> No
5. If the project site contains, is along, or within 100 feet of a river, stream, creek, lake, pond or reservoir, will you establish new or preserve existing riparian forest buffer at least 100 feet in width between the top of streambank or normal pool elevation of a lake, pond or reservoir and areas of earth disturbances. If no, will a waiver be obtained? <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
6. Name of Licensed Professional	
Company	
Address	
Phone	

SECTION E. PROJECT INFORMATION																	
1. Total Project Area/Project Site (Ac):	1,346 (Also see Attachment 1-1.1)	Total Disturbed Area (Ac):	689.8 (Also see Attachment 1-1.1)														
Increased disturbed acreage <i>(for permit modification only)</i>																	
Fee: <i>(For additional information regarding fees, refer to NOI Instructions #3 Permit NOI Filing Fees.)</i>			\$ \$500 (Filing Fee), \$69,000 (Disturbed Acre Fee)														
2. Project Name: Regional Energy Access Expansion Project																	
3. Project Type (Check all that apply) <table border="0" style="width: 100%;"> <tr> <td><input type="checkbox"/> Oil/Gas Well ¹</td> <td><input checked="" type="checkbox"/> Transmission Facility</td> </tr> <tr> <td><input type="checkbox"/> Gathering Facility</td> <td><input type="checkbox"/> Processing Facility</td> </tr> <tr> <td><input type="checkbox"/> Treatment Facility</td> <td><input type="checkbox"/> Well Development Impoundment</td> </tr> <tr> <td><input checked="" type="checkbox"/> Compressor Station</td> <td><input type="checkbox"/> Non-FERC regulated Transmission Facility</td> </tr> <tr> <td><input checked="" type="checkbox"/> Pipeline</td> <td><input type="checkbox"/> Ground/Surface Water Withdrawal Site</td> </tr> <tr> <td><input type="checkbox"/> Storage Field Facility</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Other</td> <td></td> </tr> </table>				<input type="checkbox"/> Oil/Gas Well ¹	<input checked="" type="checkbox"/> Transmission Facility	<input type="checkbox"/> Gathering Facility	<input type="checkbox"/> Processing Facility	<input type="checkbox"/> Treatment Facility	<input type="checkbox"/> Well Development Impoundment	<input checked="" type="checkbox"/> Compressor Station	<input type="checkbox"/> Non-FERC regulated Transmission Facility	<input checked="" type="checkbox"/> Pipeline	<input type="checkbox"/> Ground/Surface Water Withdrawal Site	<input type="checkbox"/> Storage Field Facility		<input type="checkbox"/> Other	
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<input checked="" type="checkbox"/> Pipeline	<input type="checkbox"/> Ground/Surface Water Withdrawal Site																
<input type="checkbox"/> Storage Field Facility																	
<input type="checkbox"/> Other																	
¹ If Oil/Gas Well; is the well conventional or unconventional? <input type="checkbox"/> Conventional <input type="checkbox"/> Unconventional																	

Project Description

Transco, indirectly owned by The Williams Companies, Inc. (Williams), is seeking authorization from the Federal Energy Regulatory Commission (FERC or Commission) under Section 7(c) of the Natural Gas Act and Part 157 of the Commission's regulations, to construct, own, operate, and maintain the proposed Project facilities

The Project is an expansion of Transco's existing natural gas transmission system that will enable Transco to provide an incremental 829,400 dekatherms per day (Dth/d) of year-round firm transportation capacity from the Marcellus Shale production area in northeastern Pennsylvania (PA) to multiple delivery points along Transco's Leidy Line in PA, Transco's mainline at the Station 210 Zone 6 Pooling Point in Mercer County, New Jersey (NJ) and multiple delivery points in Transco's Zone 6 in NJ, PA, and Maryland (MD). The Project will consist of the following components:

- Approximately 22.3 miles of 30-inch-diameter pipeline partially collocated with Transco's Leidy Line A from milepost (MP) 0.00 to MP 22.32 in Luzerne County, PA (Regional Energy Lateral);
 - Approximately 13.8 miles of 42-inch-diameter pipeline collocated with Transco's Leidy Line System from MP 43.72 to MP 57.50 in Monroe County, PA (Effort Loop);
 - New gas-fired turbine driven compressor station identified as Compressor Station 201 with 11,107 nominal horsepower (HP) at International Organization of Standardization (ISO) conditions in Gloucester County, NJ;
 - Addition of two gas-fired turbine driven compressor units with 31,800 nominal HP at ISO conditions at existing Compressor Station 505 in Somerset County, NJ, to accommodate the abandonment and replacement of approximately 16,000 HP from eight existing internal combustion engine-driven compressor units and increase the certificated station compression by 15,800 HP;
 - Addition of two gas-fired turbine driven compressor units with 63,742 nominal HP at ISO conditions and modification of three existing compressors at existing Compressor Station 515 in Luzerne County, PA to support the Project and to accommodate the abandonment and replacement of approximately 17,000 HP from five existing gas-fired reciprocating engine driven compressors and increase the certificated station compression by 46,742 HP;
 - Uprate and rewheel two existing electric motor-driven compressor units at existing Compressor Station 195 in York County, PA to increase the certificated station compression by 5,000 HP and accommodate the abandonment of two existing gas-fired reciprocating engine driven compressors which total approximately 8,000 HP of compression;
 - Modifications at existing Compressor Station 200 in Chester County, PA;
 - Uprate one existing electric motor-driven compressor unit at Compressor Station 207 in Middlesex County, NJ to increase the certificated station compression by 4,100 HP;
 - Modifications to three (3) existing pipeline tie-ins in PA (Hildebrandt Tie-in, Lower Demunds REL Tie-in, and Carverton Tie-in);
 - Addition of regulation controls at an existing valve setting on Transco's Mainline "A" in Bucks County, PA (Mainline A Regulator);
 - Modifications at the existing Delaware River Regulator in Northampton County, PA;
 - Modifications at the existing Centerville Regulator in Somerset County, NJ;
 - Modifications to the existing valves and piping at the Princeton Junction (Station 210 Pooling Point) in Mercer County, NJ;
 - Modifications to three (3) existing delivery meter stations in NJ (Camden M&R Station, Lawnside M&R Station, and Mt. Laurel M&R Station);
 - Modifications to one (1) existing delivery meter station in MD (Beaver Dam M&R Station);
 - Contractual changes (no modifications) at ten (10) existing delivery meter stations in PA and NJ (Algonquin-Centerville Meter Station, Post Road Meter Station, New Village Meter Station, Spruce Run Meter Station, Marcus Hook Meter Station, Ivyland Meter Station, Repaupo Meter Station, Morgan Meter Station, Lower Mud Run Meter Station, and Chesterfield Meter Station);
 - Additional ancillary facilities, such as mainline valves (MLVs), cathodic protection, communication facilities, and internal inspection device (e.g., pig) launchers and receivers in PA; and
 - Existing, improved, and new access roads and contractor yards/staging areas in PA, NJ, and MD.
- Provide the date of pre-application meeting (if conducted with the Department) 04/27/20, 07/09/20, 09/04/20, 09/30/20, 12/15/20, 12/16/20, 01/06/21, 02/05/21

4. Provide the latitude and longitude coordinates for the center of the project. The coordinates should be in Decimal degrees and North American Datum 1983. The coordinates must meet the current DEP policy regarding locational accuracy. For linear projects provide the project's termini. See Attachment 1-1.1

Latitude (DD) . Latitude (DD) . Horizontal Collection Method: <input type="checkbox"/> GPS <input checked="" type="checkbox"/> Interpolated from U.S.G.S. Topographic Map <input type="checkbox"/> DEP's eMAP	Longitude (DD) - . Longitude (DD) - .				
5. U.S.G.S. 7.5 min. topographic quadrangle Name (See Attachment 1-1.1) <i>(Include a copy of the project area on the 7.5 min quad map)</i>					
6. Will the project be conducted as a phased permit project? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Include Master Site Plan Estimated Timetable for Phased Projects. <input type="checkbox"/> Additional sheet(s) attached.					
Phase No. or Name	Description	Total Area	Disturbed Area	Start Date	End Date
7. List existing and previous land use for a minimum of the previous 5 years. (See Section 2 of this ESCGP-3 Application)					
8. Other Pollutants: Will the stormwater discharge contain pollutional substances other than sediment? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
9. Will fuels, chemicals, solvents, other hazardous waste or materials be used or stored on site during earth disturbance activities or will Horizontal Directional Drilling (HDD) activities be conducted? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If yes, Preparedness, Prevention and Contingency (PPC) Plan must be maintained on site during earth disturbance. See NOI Instructions, E.9 PPC Plan Guidance for further information.)</i>					
10. Is the project in the watershed of an impaired surface water where the cause of the impairment is identified as siltation? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (See Section 2-5 of this ESCGP-3 Application) <i>(If yes, show how the project will not result in a net change in volume, rate or water quality. See section I below, and E.10 of NOI instructions.)</i>					
11. Are there potentially hazardous naturally occurring geological or soil conditions in any portion of the project or surrounding area? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, do the potentially hazardous geologic or soil conditions have the potential to cause or contribute to pollution as a result of the proposed earth disturbance activities? If no, provide an explanation. If yes, Geologic Hazard Mitigation Plan must be attached and explain where in this application details are provided.					
12. Has the Act 14 Municipal Notification and proof of receipt of notification been attached to the NOI? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If not, the NOI is not complete, see E.12 and #4 Municipal Notification in the NOI Instructions for additional guidance.)</i>					
13. Has the PNDI receipt been attached to the NOI? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If not, the NOI is not complete, see E.13 and #5 PNHP in the NOI Instructions for additional guidance.)</i>					
14. Have the E&S Plan and PCSM/SR Plan been planned and designed to be consistent? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
15. Have existing and/or proposed Riparian Forest Buffers been identified? Yes <input checked="" type="checkbox"/> N/A <input type="checkbox"/> <i>(If yes, they must be shown on the E&S Plan as well as the PCSM/SR Plans.)</i>					
16. Have antidegradation implementation requirements for special protection waters been addressed? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> <i>(If yes, antidegradation requirements must be included in the plan.)</i>					

17. Has the seasonal high groundwater level been identified and 20-inch separation established at all excavation locations for pits for conventional operations and Well Development Impoundments for unconventional operations?

Yes ☐ No ☐ N/A ☒

<p>18. Receiving Waters</p> <p><u>Effort Loop-</u></p> <p><u>Lake Creek (HQ-CWF,MF)</u></p> <p><u>Princess Run (CWF,MF)</u></p> <p><u>Weir Creek (CWF,MF)</u></p> <p><u>McMichael Creek (EV, MF) and (HQ-CWF)</u></p> <p><u>Pohopoco Creek (CWF,MF)</u></p> <p><u>Sugar Hollow Creek (CWF,MF)</u></p> <p><u>Poplar Creek (EV,CWF,MF)</u></p> <p><u>Mud Run (HQ-CWF, MF)</u></p> <p><u>Mud Pond Run (HQ-CWF,EV,MF)</u></p> <p><u>Tunkhannock Creek (HQ-CWF,MF)</u></p> <p><u>Regional Energy Lateral-Stony Run (HQ-CWF,MF)</u></p> <p><u>Shades Creek (HQ-CWF,MF)</u></p> <p><u>Little Shades Creek (HQ-CWF,MF)</u></p> <p><u>Snider Run (HQ-CWF,MF)</u></p> <p><u>Meadow Run (HQ-CWF,MF)</u></p> <p><u>Bear Creek (HQ-CWF,MF)</u></p> <p><u>Little Bear Creek (HQ-CWF,MF)</u></p> <p><u>Mill Creek (CWF,MF)</u></p> <p><u>Gardner Creek (CWF,MF)</u></p> <p><u>Susquehanna River (WWF,MF)</u></p> <p><u>Abrahams Creek (CWF,MF)</u></p> <p><u>Toby Creek (CWF,MF)</u></p> <p><u>Trout Brook (CWF,MF)</u></p> <p><u>Compressor Station 515-Shades Creek (HQ-CWF,MF)</u></p> <p><u>Stony Run (HQ-CWF,MF)</u></p> <p><u>Compressor Station 200-Valley Creek (EV,MF)</u></p> <p><u>Delaware River Regulator-Mud Run (CWF, MF)</u></p> <p><u>Mainline "A" Regulator - Dyers Creek (WWF,MF)</u></p> <p><u>See Attachment 1-1.1 for detailed list.</u></p>	<p>Chapter 93, Designated Use Stream Classification</p> <p><input checked="" type="checkbox"/> HQ <input checked="" type="checkbox"/> EV <input checked="" type="checkbox"/> Other <u>CWF, MF, WWF</u></p> <p><input checked="" type="checkbox"/> Siltation-impaired</p> <p><input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____</p> <p><input type="checkbox"/> Siltation-impaired</p>	<p>Chapter 93, Existing Use Stream Classification</p> <p><input type="checkbox"/> HQ <input checked="" type="checkbox"/> EV <input checked="" type="checkbox"/> Other <u>MF</u></p> <p><input type="checkbox"/> Siltation-impaired</p> <p><input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____</p> <p><input type="checkbox"/> Siltation-impaired</p>
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	<input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired <input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired	<input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired <input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired
Secondary Receiving Water	Secondary Chapter 93, Designated Use	Secondary Existing Use
Name of Municipal or Private Separate Storm Sewer Operator, if applicable.		
Non-Surface Receiving Water: (include off-site discharges)		

SECTION F. EROSION AND SEDIMENT CONTROL (E&S) PLAN
See the attached Instructions for additional guidance with E&S Plans

Erosion and Sediment Control Plan BMPs should be designed to minimize accelerated erosion and sedimentation through limiting the extent and duration of earth disturbance, protection of existing drainage and vegetation, limiting soil compaction and controlling the generation of increased runoff. The Department recommends the use of the *Pennsylvania Erosion & Sedimentation Pollution Control Program Manual (E&S Manual)* (363-2134-008) to achieve this goal. The E&S Plan must meet the requirements of Pa. Code § 102.4(b) and submitted with the NOI. Also, see section 2. of the NOI instruction for detailed information on completing the E&S plan and additional requirements.

a. E&S Plan Summary

Provide a summary of proposed E&S BMPs and their performance to manage E&S for the project.

Typical BMPs provided along the pipeline Right-Of-Way includes waterbars, trench plugs, compost filter socks, compost sediment traps, rock filter outlets, erosion control blankets, rock construction entrances, temporary equipment bridges, timber mats, diversion channels, level spreaders, mulch and seed. An appropriate sediment removal device (filter bag, dewatering structure) and well-vegetated area will be utilized for trench dewatering. In HQ, EV watersheds, appropriate Antidegradation Best Available Combination of Technologies (ABACT) BMPs will be utilized. Additional information regarding all the proposed BMPs are provided in the Erosion and Sedimentation Control and Site Restoration Plans of respective project components (Section 2 of this ESCGP-3 Application).

b. E&S Plan BMP Design

Check those that apply:

- ☒ E&S Plan is designed using BMPs in the *E&S Manual*.
- ☐ E&S Plan is designed using an alternative BMP or design standard approved by DEP.

Note: NOI packages submitted with alternate BMPs not approved by the Department will be returned to the Applicant.

c. Do you have any information regarding riparian buffer which differs from Section G, Riparian Buffer?

Yes ☐ No ☒

Explain:

d. Thermal Impacts Analysis

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

Thermal impacts associated with Regional Energy Access Expansion Project will be avoided to the maximum extent possible. Minimum permanent changes in land cover are being proposed for constructing the pipeline facilities. Runoff from impervious areas added during the project will be suitably routed to Stormwater BMPs. Gravel will be used for access roads wherever practicable. To avoid thermal impacts arising from clearing and grading, removal of vegetation will be limited to only that necessary for construction and construction Right-Of-Way will be limited to 75 feet in wetlands and floodways where practical. Once construction activities are complete, disturbed areas will be restored to pre-construction contours and seeded as described in Erosion and Sediment Control and Site Restoration Plans. Temporary workspaces will be restored back with woody and herbaceous species. Thermal impacts assessments corresponding to each project component including pipelines and aboveground facilities are given in Section 2 and 3 of this ESCGP-3 Application.

e. Off-Site Discharge Analysis

Does the activity propose any off-site discharges to areas other than surface waters? ☒ Yes ☐ No

If yes, it is the applicant's responsibility to ensure that they have legal authority for any off-site discharge to neighboring properties.

The applicant must provide a demonstration in both E&S and PCSM/SR plans that the discharge will not cause erosion, damage, or a nuisance to off-site properties.

See Offsite Discharge Analysis Sections in E&S Narratives

SECTION G. RIPARIAN BUFFER

1. Will you be protecting, converting or establishing a voluntary riparian forest buffer as part of this project?
☐ Yes ☒ No
If yes, as part of the PCSM/SR Plan, provide a Buffer Management Plan.
2. Will proposed earth disturbance activities be conducted in an EV or HQ watershed AND within 150 feet of a perennial or intermittent river, stream, or creek, or lake, pond, or reservoir? ☒ Yes ☐ No
If no, proceed to the next section/module.
3. Does this project qualify for an exception (see § 102.14(d)(1))? ☒ Yes ☐ No
If yes, indicate below the type of project for which the exception applies by marking the appropriate box.
☐ Oil and gas activities for which site reclamation or restoration is part of the permit authorization in Chapter 78 and 78a.
☒ Road maintenance activities.
☐ The repair or maintenance of existing pipelines and utilities.
☐ Other (see §102.14(d)(1))
If exceptions are checked, explain how existing riparian buffer will be undisturbed to the extent practicable. Provide a demonstration that the requirements of §102.14(b) are met, or provide the necessary information to request a riparian buffer waiver.
4. Are you requesting a riparian buffer waiver for this project (see § 102.14(d)(2))? ☒ Yes ☐ No
If yes, indicate below the type of project for which you are requesting a waiver by marking the appropriate box.
☒ Linear project that may include pipelines, public roadways, rail lines, or utility lines.
☒ Project is of a temporary nature where the site will be fully restored to its preexisting conditions during the ESCGP permit term.
☒ Project where compliance with mandatory riparian buffers is not appropriate or feasible due to site characteristics or existing structures at the project site.
☐ Other (see §102.14(d)(2)):
If waivers are checked, explain how existing riparian buffers will be undisturbed to the extent practicable.
Note: If "Yes" to #2 **AND** "No" to #3 and #4, provide an attachment to demonstrate how the requirements of §102.14 are met.

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PCSM) AND/OR SITE RESTORATION(SR) PLAN

See NOI Instructions for additional guidance with PCSM Plans

PCSM/SR BMPs should be designed to use natural measures to eliminate pollution, infiltrate runoff, not require extensive construction/maintenance, promote pollutant reduction, and preserve the integrity of stream channels. All PCSM/SR BMPs proposed in the PCSM/SR Plan must be designed in accordance with Ch. 102, Ch. 78a for unconventional operations, Ch. 78 for conventional operations and the *Pennsylvania Stormwater Best Management Practices Manual (Stormwater BMP Manual)* (363-0300-002). If alternate design criteria are utilized for the proposed project, they must have prior approval by the Department, or the NOI Application will be returned to the Applicant.

After construction is completed, how much of the entire disturbed area will be restored to meadow in good condition or better, or existing conditions? ☐ All ☒ Partial ☐ None

Include PCSM narrative and drawings for remaining impervious area. Also include a map showing the proposed contours of the site restoration plan.

If there are additional stages of the project prior to permit termination or expiration, list the stages and provide the documents required by subsection 'a' to section 'g' for each stage (e.g. partial restoration or changes to the amount of compacted areas, gravel, and/or impervious areas). Upload a narrative for each additional stage in addition to the drawings.

EXAMPLE

Stage No	Stage Name	PCSM Plan	SR Plan
Stage 1		<input type="checkbox"/>	<input type="checkbox"/>
Stage 2		<input type="checkbox"/>	<input type="checkbox"/>
Stage 3		<input type="checkbox"/>	<input type="checkbox"/>
Stage 4		<input type="checkbox"/>	<input type="checkbox"/>

Act 167 Consistency. Check those that apply.

Is there an Act 167 Plan? ☒ Yes ☐ No

☒ The attached PCSM/SR Plan is consistent with an applicable approved Act 167 Plan.

Complete the following for all approved Act 167 Stormwater Management Plans. (Use additional sheets if necessary)

Act 167 Plan Name _____ Date Adopted _____ Consistency Letter Included ☐

Luzerne County Stormwater August 18, 2010 Verification Report Included ☒

Management Ordinance

Valley Creek Watershed Stormwater February 04, 2011

Management Plan

Note: A consistency letter is not required if a verification report is provided. See NOI Instructions. The PCSM/SR Plan must satisfy either sub paragraph 1, 2, or 3 below. Check those that apply.

1. ☒ Act 167 Plan approvals on or after January 2005 – The attached PCSM/SR Plan, in its entirety, is consistent with all requirements pertaining to rate, volume, and water quality from an Act 167 Stormwater Management Plan approved by DEP on or after January 2005. Box 1 must be checked if a current, DEP approved Act 167 plan exists.
2. ☒ The PCSM/SR Plan meets the standard design criteria from sections 102.8(g)(2) and (3) and the *Stormwater BMP Manual*. For projects involving oil and gas activities authorized by a permit issued under Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure, post construction stormwater management requirements are met for all areas that are restored to preconstruction conditions or to a condition of meadow in good condition or better. *[Note: PCSM plans must meet both the volume and rate requirements in the regulations, which are provided in the 2 sections mentioned in this paragraph].*
3. ☐ Alternative Design Standard – The attached PCSM/SR Plan was developed using approaches as provided in 102.8(g)(2)(iv) and 102.8(g)(3)(iii). Demonstrate/explain in the space provided below how this standard will be either more protective than what is required in 102.8(g)(2) and 102.8(g)(3) or will maintain and protect existing water quality and existing and designated uses.

PCSM/SR BMP Alternative Standards:

Has the alternative BMP or design standard been approved by the Department?

☐ Yes

☐ No – Do not submit the ESCGP-3 application and see Section (H) of the NOI Instructions concerning the alternative BMP approval process.

Water Quality Compliance:

Does the PCSM/SR plan comply with requirements for volume control? ☒ Yes ☐ No

If yes, is at least 90% of the disturbed area controlled by a PCSM BMP? ☒ Yes ☐ No

If yes, do you have the Standard PCSM Worksheet # 10 attached to show water quality compliance has achieved?

☒ Yes ☐ No

If no, attach Standard PCSM Worksheets # 12 and #13 to show water quality compliance has achieved.

If PCSM/SR plan is not complying with the requirements for volume control, attach Standard PCSM Worksheets # 11, # 12 and #13 to show water quality compliance has achieved.

a. PCSM/SR Plan Summary

Provide a summary of proposed BMPs and their performance to manage PCSM/SR for the project.

Along the pipeline Right-Of-Way, typical E&S BMPs such as waterbars and erosion control blanket will be left in place as part of site restoration. After construction activities are completed, temporary workspaces will be restored to meadow in good condition or better than existing conditions. For the aboveground facilities, PCSM BMPs such as infiltration basins, diversion channels and vegetated swales will be used and left in place as part of site restoration. Additional information regarding all the proposed BMPs are provided in the Post-Construction Stormwater Management Plans of respective project components (Section 3 of this ESCGP-3 Application).

Check all that apply ☒ PCSM BMPs ☒ SR BMPs

b. Do you have any information regarding riparian buffer which differs from what was submitted in the Section G, Riparian Buffer?

☐ Yes ☒ No

Explain:

c. Thermal Impacts Analysis

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

Runoff collected in PCSM BMPs such as infiltration basins will mitigate thermal impacts from post construction stormwater. Runoff collected in infiltration basins are discharged to receiving waters are not expected to be retained for more than 24 hours. Minimum permanent changes in land cover are being proposed for constructing the pipeline facilities. Gravel will be used for access roads wherever practicable. Removal of trees and riparian vegetation and addition of impervious surfaces will be limited to only that necessary for construction. Once construction activities are complete, disturbed areas will be restored to pre-construction contours and seeded as described in Erosion and Sedimental Control and Site Restoration Plans. Temporary workspaces will be restored back with woody and herbaceous species. Thermal impacts assessments corresponding to each project component including pipelines and aboveground facilities are given in Section 2 and 3 of this ESCGP-3 Application.

d. Off-Site Discharge Analysis.

Does the activity propose any off-site discharges to areas other than surface waters? ☒ Yes ☐ No

If yes, it is the applicant's responsibility to ensure that they have legal authority for any off-site discharge to neighboring properties.

The Applicant must provide a demonstration in both the E&S and PCSM/SR Plans that the discharge will not cause erosion, damage, or a nuisance to off-site properties.

See Offsite Discharge Analysis Sections in PCSM Narratives

NOI Section H. POST CONSTRUCTION STORMWATER MANAGEMENT (PCSM) PLANS

Summary Calculations of Post Construction Stormwater BMPs

1. Regional Energy Lateral Pipeline - MLV-515RA20
2. Regional Energy Lateral Pipeline - MLV-515RA30
3. Regional Energy Lateral Pipeline - Carverton Tie-in
4. Regional Energy Lateral Pipeline - Lower Demunds REL Tie-in
5. Regional Energy Lateral Pipeline – Hildebrandt Tie-in/MLV-515RA40
6. Effort Loop Pipeline - MLV-505LD86
7. Compressor Station 200
8. Compressor Station 515

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - MLV-515RA20 - Zenker Valve Yard

e. Summary Table for Supporting Calculation and Measurement Data
(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Mill Creek			
Volume Control design storm frequency 2-year Rainfall amount 2.95 inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.19	+0.19
Volume of stormwater runoff (acre- feet) without planned stormwater BMPs	0.04	0.06	+0.02
Volume of stormwater runoff (acre- feet) with planned stormwater BMPs		0.03	-0.01
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	3.51	3.22	-0.29
2) 10-Year/24-Hour	6.82	6.17	-0.65
3) 50-year/24-Hour	11.88	11.12	-0.76
4) 100-year/24-Hour	14.91	14.91	-0.00

f. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Vegetated Swale	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input checked="" type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ <u>1,396cf(2-yr);</u> <u>6,186cf(100-yr)</u>	_____ _____ <u>0.28</u>
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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g. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Dry Extended Detention Basin area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Channels to ensure they have been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Dry Extended Detention Basin to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Dry Extended Detention Basin the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. At completion of Collection Channel C1 to ensure it has been constructed to the proposed line and grade, the specified lining material has been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
6. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to Collection Channel C1.
7. For final inspection of constructed BMPs.
8. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL GENERAL PERMIT (ESGCP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR TRANSMISSION FACILITIES

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - MLV-515RA30 - Wyoming Valve Yard

b. Summary Table for Supporting Calculation and Measurement Data (See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Susquehanna-Solomon Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>2.57</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.24	+0.24
Volume of stormwater runoff (acre- feet) without planned stormwater BMPs	0.03	0.06	+0.03
Volume of stormwater runoff (acre- feet) with planned stormwater BMPs		0.03	-0.00
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.22	0.02	-0.20
2) 10-Year/24-Hour	0.68	0.03	-0.65
3) 50-year/24-Hour	1.52	0.06	-1.46
4) 100-year/24-Hour	2.06	0.07	-1.99

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Soil Amendment	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>451cf(2-yr);</u> <u>2,511cf(100-yr)</u> _____ _____ _____ _____	_____ <u>0.21</u> _____ _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input checked="" type="checkbox"/> Other <u>Vegetated Swale</u>	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	 <u>1,009cf(2-yr):</u> <u>4,264cf(100-yr)</u>	 <u>0.49</u>
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Vegetated Swale area has been flagged and fence erected to prevent access to the area.
2. At the beginning of construction of the Vegetated Swale to ensure the infiltration area has not been compacted by construction activities.
3. During construction of the Vegetated Swale the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
4. At completion of Collection Channel C1 to ensure it has been constructed to the proposed line and grade, the specified lining material has been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the infiltration berm.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - Carverton Tie-In

<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i> The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Abrahams Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>2.61</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.03	0.11	+0.08
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.02	0.03	+0.01
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.00	-0.02
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.46	0.00	-0.46
2) 10-Year/24-Hour	0.91	0.00	-0.91
3) 50-year/24-Hour	1.61	0.00	-1.61
4) 100-year/24-Hour	2.01	0.00	-2.01

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	 _____ _____ _____ _____ <u>1,280cf (2-yr);</u> <u>4,445cf(100-yr)</u>	 _____ _____ _____ _____ <u>0.26</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. At the beginning of construction to ascertain the Infiltration Berm area has been flagged and fence erected to prevent access to the area.
2. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the infiltration berm.
3. At the beginning of construction of the Infiltration Berm to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the infiltration berm the licensed professional will observe that the berm is constructed in accordance with the plans and specifications.
5. For final inspection of constructed BMPs.
6. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - Lower Demunds REL Tie-In

<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i></p> <p>The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Toby Creek			
Volume Control design storm frequency 2-year Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.12	+0.12
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.02	0.04	+0.02
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.01	-0.01
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.20	0.00	-0.20
2) 10-Year/24-Hour	0.40	0.00	-0.40
3) 50-year/24-Hour	0.71	0.20	-0.51
4) 100-year/24-Hour	0.89	0.51	-0.38

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>1,481cf(2-yr);</u> <u>4,356cf(100-yr)</u> _____ _____ _____	_____ <u>0.17</u> _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Valve Yard Pad area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Berm/Channel to ensure it has been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Valve Yard Pad to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Valve Yard Pad the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the outlet structure.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline – MLV-515RA40-Hildebrandt Tie-In

b. Summary Table for Supporting Calculation and Measurement Data

(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Toby Creek

Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.0	0.22	+0.22
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.03	0.07	+0.04
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.01	-0.02
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.34	0.20	-0.14
2) 10-Year/24-Hour	0.67	0.38	-0.29
3) 50-year/24-Hour	1.20	0.65	-0.55
4) 100-year/24-Hour	1.52	0.80	-0.72

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Vegetated Swale	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>2,265cf(2-yr);</u> <u>5,881cf(100-yr)</u>	_____ <u>0.21</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____

<input type="checkbox"/> Roadside Vegetated Filter Strips		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Stormwater Energy Dissipaters	Infiltration/Recharge			
<input type="checkbox"/> Level Spreaders		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Riprap Aprons		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Upslope Diversions		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Other _____		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____

d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Valve Yard Pad area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Channel to ensure it has been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Valve Yard Pad to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Valve Yard Pad the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the outlet structure.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR TRANSMISSION FACILITIES

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Effort Loop Pipeline-MLV-505LD86 Sugar Hollow Valve Yard

b. Summary Table for Supporting Calculation and Measurement Data

(See *NOI Instructions for additional guidance with this section*)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Pohopoco Creek

Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.26</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.09	0.62	+0.53
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.35	0.44	+0.09
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.28	-0.07
Stormwater discharge rate for the design frequency storm DA-1	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.01	0.01	-0.00
2) 10-Year/24-Hour	0.37	0.31	-0.06
3) 50-year/24-Hour	5.89	4.21	-1.68
4) 100-year/24-Hour	11.47	8.28	-3.19
Stormwater discharge rate for the design frequency storm DA-2	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	4.51	3.97	-0.54
2) 10-Year/24-Hour	12.49	12.28	-0.21
3) 50-year/24-Hour	26.58	24.35	-2.23
4) 100-year/24-Hour	35.41	31.74	-3.67

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input checked="" type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ <u>1,123cf(2-yr);</u> <u>21,318cf(100-yr)</u> _____ <u>5,915cf(2-yr);</u> <u>26,924cf(100-yr)</u>	_____ _____ <u>2.85</u> _____ <u>1.54</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. For the final grading of the access road, ensuring it is constructed according to the plan details for proper conveyance of runoff.
2. Following final grading and seeding of the diversion channels and basin, in order to confirm they have been constructed according to the plan details for proper collection and conveyance of runoff. Periodic assessments will need to be made to ensure accumulated sediment have been cleaned out so the channels and basin maintain the necessary design volumes.
3. During the layout and excavation of the outlet control structure, the professional or delegate will ensure sizing, materials specifications, and construction procedures are followed to enable proper storage in the basin.
4. Following final grading and seeding of the infiltration berm in order to confirm they have been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessment will need to be made to ensure that accumulated sediment have been cleaned out so the area behind the berm maintains the necessary design volume.
5. For final inspection of constructed channels, basin and berms.
6. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Compressor Station 200

b. Summary Table for Supporting Calculation and Measurement Data

(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Valley Creek

Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.30</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.25	0.40	+0.15
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.07	0.11	+0.04
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.07	-0.00
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	1.03	0.15	-0.88
2) 10-Year/24-Hour	2.06	1.39	-0.67
3) 50-year/24-Hour	3.19	2.79	-0.40
4) 100-year/24-Hour	3.97	3.50	-0.47

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>3,790cf(2-yr);</u> <u>11,631cf(100-yr)</u>	_____ _____ _____ _____ <u>0.56</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Following final grading and seeding of the infiltration berm in order to confirm it has been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessments will need to be made to ensure that accumulated sediment should be cleaned out so the channels and berm maintain necessary design volume.
2. For final inspection of constructed BMPs.
3. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E & S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESGCP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Compressor Station 515

<p align="center">b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i></p> <p>The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Bear Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.34	2.44	+2.10
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.50	0.81	+0.31
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.18	-0.32
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	5.46	1.76	-3.70
2) 10-Year/24-Hour	10.19	8.30	-1.89
3) 50-year/24-Hour	16.85	9.55	-7.30
4) 100-year/24-Hour	20.81	9.58	-11.23

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>31,799cf(2-yr):</u> <u>96,268cf(100-yr)</u>	_____ _____ _____ _____ <u>3.83</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

- Following final grading and seeding of the collection channels and infiltration berm in order to confirm they have been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessments will need to be made to ensure that accumulated sediment should be cleaned out so the channels and berm maintain necessary design volume.
- For final inspection of constructed BMPs.
- At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E & S controls.

SECTION I. ANTIDegradation ANALYSIS

This section must be completed where earth disturbance activities will be conducted in the watershed of a surface water with an existing or designated use of exceptional value or high quality pursuant to Chapter 93 (relating to water quality standards), projects where any part is located in an exceptional value wetland in accordance with 25 Pa. Code § 105.17, and projects where any part is located in the watershed of an impaired surface water where the cause of impairment is identified as siltation.

Part 1 - NONDISCHARGE ALTERNATIVES EVALUATION

The applicant must consider and describe any and all non-discharge alternatives for the entire project area which are environmentally sound and will:

- Minimize accelerated erosion and sedimentation during the earth disturbance activity
- Achieve no net change from pre-development to post-development volume, rate and concentration of pollutants in water quality

E & S Plan	PCSM/SR Plan
<p>Check off the environmentally sound nondischarge Best Management Practices (BMPs) listed below to be used prior to, during, and after earth disturbance activities that have been incorporated into your E & S Plan based on the site analysis. For non-discharge BMPs not checked, provide an explanation of why they were not utilized. Also for BMPs checked, provide an explanation of why they were utilized. (Provide the analysis and attach additional sheets if necessary)</p> <p>See Section 2 of this ESCGP-3 Application</p>	<p>Check off the environmentally sound nondischarge Best Management Practices (BMPs) listed below to be used after construction that have been incorporated into the PCSM/SR Plan based on your site analysis. For non-discharge BMPs not checked, provide an explanation of why they were not utilized. Also for BMPs checked, provide an explanation of why they were utilized. (Provide the analysis and attach additional sheets if necessary)</p> <p>See Section 3 of this ESCGP-3 Application</p>
<p>Nondischarge BMPs</p> <p><input type="checkbox"/> Alternative Siting</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative location</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative configuration</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative location of discharge</p> <p><input checked="" type="checkbox"/> Limited Disturbed Area</p> <p><input type="checkbox"/> Limiting Extent & Duration of Disturbance (Phasing, Sequencing)</p> <p><input type="checkbox"/> Riparian Buffers (150 ft. min.)</p> <p><input type="checkbox"/> Riparian Forest Buffer (150 ft. min.)</p> <p><input type="checkbox"/> Other _____</p>	<p>Nondischarge BMPs</p> <p><input type="checkbox"/> Alternative Siting</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative location</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative configuration</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative location of discharge</p> <p><input type="checkbox"/> Low Impact Development (LID / BSD)</p> <p><input type="checkbox"/> Riparian Buffers (150 ft. min.)</p> <p><input type="checkbox"/> Riparian Forest Buffer (150 ft. min.)</p> <p><input checked="" type="checkbox"/> Infiltration</p> <p><input type="checkbox"/> Water Reuse</p> <p><input type="checkbox"/> Other _____</p>
<p>Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality during construction?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, antidegradation analysis is complete. If no, proceed to Part 2.</p>	<p>Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality after construction?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, antidegradation analysis is complete. If no, proceed to Part 2.</p>

PART 2 - ANTIDEGRADATION BEST AVAILABLE COMBINATION OF TECHNOLOGIES (ABACT)

If the net change in stormwater discharge from or after construction is not fully managed by nondischarge BMPs, the applicant must utilize ABACT BMPs to manage the difference. The Applicant must specify whether the discharge will occur during construction, post-construction or both, and identify the technologies that will be used to ensure that the discharge will be a non-degrading discharge. ABACT BMPs include but are not limited to:

E & S Plan	PCSM/SR Plan
<p><input checked="" type="checkbox"/> Treatment BMPs:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Sediment basin with skimmer <input type="checkbox"/> Sediment basin ratio of 4:1 or greater (flow length to basin width) <input type="checkbox"/> Sediment basin with 4-7 day detention <input type="checkbox"/> Flocculants <input checked="" type="checkbox"/> Compost Filter Socks <input checked="" type="checkbox"/> Compost Filter Sock Sediment Basin <input checked="" type="checkbox"/> RCE w/ Wash Rack <p><input checked="" type="checkbox"/> Land disposal:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Vegetated filters <input type="checkbox"/> Riparian buffers <150ft. <input type="checkbox"/> Riparian Forest Buffer <150ft. <input checked="" type="checkbox"/> Immediate stabilization <p><input checked="" type="checkbox"/> Pollution prevention:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> PPC Plans <input checked="" type="checkbox"/> Street sweeping <input checked="" type="checkbox"/> Channels, collectors and diversions lined with permanent vegetation, rock, geotextile or other non-erosive materials <p><input type="checkbox"/> Stormwater reuse technologies:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Sediment basin water for dust control <input type="checkbox"/> Sediment basin water for irrigation <p><input type="checkbox"/> Other _____</p>	<p><input checked="" type="checkbox"/> Treatment BMPs:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Infiltration Practices <input type="checkbox"/> Wet ponds <input type="checkbox"/> Created wetland treatment systems <input checked="" type="checkbox"/> Vegetated swales <input type="checkbox"/> Manufactured devices <input checked="" type="checkbox"/> Bio-retention/infiltration <input type="checkbox"/> Green Roofs <p><input type="checkbox"/> Land disposal:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Vegetated filters <input type="checkbox"/> Riparian Buffers <150ft. <input type="checkbox"/> Riparian Forest Buffer <150ft. <input type="checkbox"/> Disconnection of roof drainage <input type="checkbox"/> Bio-retention/bio-infiltration <p><input checked="" type="checkbox"/> Pollution prevention:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Street sweeping <input type="checkbox"/> Nutrient, pesticide, herbicide or other chemical application plan alternatives <input checked="" type="checkbox"/> PPC Plans <input checked="" type="checkbox"/> Non-structural Practices <input checked="" type="checkbox"/> Restoration BMPs <p><input type="checkbox"/> Stormwater reuse technologies:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Divert rainwater into impoundment <input type="checkbox"/> Underground storage <p><input type="checkbox"/> Spray/Drip Irrigation</p> <p><input type="checkbox"/> Other _____</p>
<p>Are the ABACT BMPs selected sufficient to minimize E&S discharges to the extent that existing or designated surface water uses are protected?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.</p>	<p>Are the ABACT BMPs selected sufficient to achieve no net change and assure that existing or designated surface water uses are protected?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.</p>

SECTION J. COMPLIANCE HISTORY REVIEW

Is/was the applicant(s) in violation of any Department regulation, order, schedule of compliance or permit or in violation of any department regulated activities within the past five years?

☒ Yes ☐ No

If yes, provide the permit number or facility name, a brief description of the violation, the compliance schedule (including dates and steps to achieve compliance) and the current compliance status. (Attach additional information on a separate sheet, when necessary)

Permit Program or Activity: Chapter 102, Chapter 105, PAG-10

Permit Number (if applicable):

1. ESG03000150001, ESG00350150001, ESG00081150001
2. E41-649
3. E-19-311, E36-947, E-38-195, E40-769, E49-336, E54-360, E58-315, E66-160, E41-667, E18-495,
4. PAG109632

Brief Description of non-compliance:

Consent Assessment of Civil Penalty, Reports past due.

Steps taken to achieve compliance

1. Consent Assessment of Civil Penalty
2. Consent Assessment of Civil Penalty. Permits being obtained to complete channel restoration
3. Consent Assessment of Civil Penalty
4. All past due reports were provided to PADEP

Date(s) compliance achieved

1. 9/20/2020
2. 8/9/2020
3. 9/20/2020
4. 12/14/2017



Current Compliance Status: ☒ In-Compliance

☐ In Non-Compliance

If in non-compliance, attach schedule for achieving compliance.

SECTION K. CERTIFICATION BY PERSON PREPARING E&S AND PCSM/SR PLANS

I do hereby certify to the best of my knowledge, information, and belief, that the Erosion and Sediment Control and PCSM/Site Restoration Plans are true and correct, represent actual field conditions, and are in accordance with the 25 Pa. Code Chapters 78/78a and 102 of the Department's rules and regulations. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Print Name Kevin C. Clark	Signature 	Professional Seal 	
Company BAI Group, LLC			
Address 2525 Green Tech Drive, Suite D, State College, PA-16803			
Phone (814) 238-2060			
Most Recent DEP Training Attended	Location		Date
e-Mail Address kclark@baigroupllc.com			

EXPEDITED REVIEW PROCESS

In addition to the certification required above, applicants using the expedited permit review process must attach an E&S and PCSM/Site Restoration Plans developed and sealed by a licensed professional engineer, surveyor or professional geologist. The plans shall contain the following certification:

I do hereby certify to the best of my knowledge, information, and belief, that the E & S Control and PCSM/SR BMPs are true and correct, represent actual field conditions and are in accordance with the 25 Pa. Code Chapters 78 / 78a and 102 of the Department's rules and regulations. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SECTION L. APPLICANT CERTIFICATION

Applicant Certification

I certify under penalty of law, as provided by 18 Pa. C.S.A. § 4904, that this application and all related attachments were prepared by me or under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my own knowledge and on inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. The responsible official's signature also verifies that the activity is eligible to participate in the ESCGP, and that the applicant agrees to abide by the terms and conditions of the permit. BMP's, E&S Plan, PPC Plan, PCSM Plan, and other controls are being or will be, implemented to ensure that water quality standards and effluent limits are attained.

I grant permission to the agencies responsible for the permitting of this work, or their duly authorized representative to enter the project site for inspection purposes. I will abide by the conditions of the permit if issued and will not begin work prior to permit issuance.

(For individuals no indication of title is necessary, choose the box below. All others proceed to the next paragraph)

☐ **Individual; proceed to signature portion.**

I hereby certify under penalty of law, as provided by 18 Pa. C.S.A. § 4904, that I am the person who is responsible for decision-making regarding environmental compliance functions for Transcontinental Gas Pipeline Company, LLC, the manager of one or more manufacturing, production, or operating facilities of the applicant and am authorized to make management decisions which govern the operation of regulated facility including having explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure the applicant's long term environmental compliance with environmental laws and regulations; and I am responsible for ensuring that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements.

(choose one of the following; not applicable for individuals):

☐ The responsible corporate officer ☐ president ☐ vice president ☐ secretary
☐ treasure of _____ Corporation/Company
Entity name

☒ The ☐ member or ☒ manager of Transcontinental Gas Pipe Line Company, LLC
Entity name

☐ The general partner of _____ partnership/LP/LLP
Entity name

☐ The principal executive officer or ranking elected official of _____ Municipality/State/Federal/other public
agency
Entity name

☐ Power of Attorney/delegation of contractual authority (documentation supporting delegation of contracting
authority must be provided) for _____
Entity name

Print Name and Title of Applicant

Print Name and Title of Co-Applicant (if applicable)

Signature of Applicant

Signature of Co-Applicant

Date Application Signed

Date Application Signed

Notarization

Sworn to and subscribed to before me this

Commonwealth of Pennsylvania

_____ day of _____, 20_____

County of _____

Notary Public

My Commission expires _____

AFFIX SEAL

SECTION M. ADDITIONAL CONTACT INFORMATION			
Contact's Last Name	First Name	MI	Phone (814) 689-1650
Nelson	Ryan	J	FAX
Mailing Address	City	State	ZIP + 4
2525 Green Tech Drive, Suite B	State College	PA	16803
e-Mail Address ryann@whmgroup.com			

Section 1-1.1 NOI Supporting Information

Project Component	Site	Site Location City	ZIP Code	County	Municipality	Total Project Area/Project Site (Acre)	Total Disturbed Area (Acre)	Latitude / Longitude	U.S.G.S. 7.5 min. Topographic Quadrangle	Receiving Waters	Chapter 93, Designated Use Stream Classification	Chapter 93, Existing Use Stream Classification	Siltation Impaired
Regional Energy Lateral	Pipeline			Luzerne	Buck, Bear Creek, Plains, Jenkins, Kingston, Dallas, Wyoming, West Wyoming, Laflin	952.63	420.67 (includes CS 515 and sites below)	41.173337, -75.671706 (eastern terminus) 41.346917, -75.946263 (western terminus)	Kingston, Pittston, Avoca, Wilkes-Barre East, Pleasant View Summit	Stony Run, Shades Creek, Little Shades Creek, Snider Run, Meadow Run, Bear Creek, Little Bear Creek, Mill Creek, Gardner Creek, Susquehanna River, Abrahams Creek, Toby Creek, Trout Brook	MF, HQ-CWF, WWF, CWF	-	No
	CY-LU-001	Wyoming	18644	Luzerne	Wyoming		16.3 (Included within above total)	41.31016, -75.84636		Abrahams Creek	CWF, MF	-	No
	CY-LU-002	Wilkes-Barre	18702	Luzerne	Laflin		11.4 (Included within above total)	41.28491, -75.79026		Gardner Creek	CWF, MF	-	No
	MLV-515RA20	Wilkes-Barre	18702	Luzerne	Bear Creek Township		0.46 (Included within above total)	41.25279, -75.75856		Mill Creek	CWF, MF	-	No
	MLV-515RA30	Wyoming	18644	Luzerne	Wyoming Borough		0.44 (Included within above total)	41.30411, -75.84662		Susquehanna River	WWF		No
	Carverton Tie-in	Wyoming	18644	Luzerne	West Wyoming Borough		3.9 (Included within above total)	41.32053, -75.87270		Abrahams Creek	CWF, MF		No
	Lower Demunds REL Tie-in	Dallas	18612	Luzerne	Dallas Township		1.7 (Included within above total)	41.34652, -75.94551		Trout Brook	CWF, MF		No
	Hildebrandt Tie-in/MLV-515RA40	Dallas	18612	Luzerne	Dallas Township		3.1 (Included within above total)	41.34692, -75.94629		Toby Creek, Trout Brook	CWF, MF		No
	Laflin Borough Stream Stabilization	Wilkes-Barre	18702	Luzerne	Laflin Borough		0.94 (Included within above total)	41.28925, -75.80209		Gardner Creek	CWF, MF	-	No
Effort Loop	Pipeline			Monroe	Ross, Chestnuthill, Tunkhannock	360.63	262.18	40.896796, -75.370606 (Southeast Terminus) 41.053413, -75.526178 (Northwest Terminus)	Blakeslee, Pocono Pines, Brodheads ville, Saylorsburg	Lake Creek, Princess Run, Weir Creek, McMichael Creek, Pohopoco Creek, Sugar Hollow Creek, Poplar Creek, Mud Run, Mud Pond Run, Tunkhannock Creek	EV, MF, HQ-CWF, CWF	EV, MF	No

Regional Energy Access Expansion Project
ESCGP-3 Permit Application
Transcontinental Gas Pipe Line Company, LLC
Section 1-1.1 NOI Supporting Information

Project Component	Site	Site Location City	ZIP Code	County	Municipality	Total Project Area/Project Site (Acre)	Total Disturbed Area (Acre)	Latitude / Longitude	U.S.G.S. 7.5 min. Topographic Quadrangle	Receiving Waters	Chapter 93, Designated Use Stream Classification	Chapter 93, Existing Use Stream Classification	Siltation Impaired
	MLV-505LD86 Sugar Hollow Valve Yard	Effort	18330	Monroe	Chestnut Hill Township		8.8 (Included within above total)	40.96775, -75.42980		Sugar Hollow Creek	CWF, MF	-	No
	CY-MO-001	Saylorsburg	18353	Monroe	Ross Township		50.1 (Included within above total)	40.89803, -75.36784		Lake Creek, Princess Run	HQ-CWF, MF, CWF	-	No
Delaware River Regulator		Easton	18040	Northampton	Lower Mt. Bethel	11.28	3.25	40.76220 -75.19653	Bangor, PA	Mud Run	CWF, MF	-	No
Mainline “A” Regulator		Washington Crossing	18977	Bucks	Lower Makefield	0.94	0.530	40.26807, -74.85712	Pennington, NJ-PA	Dyers Creek, Delaware River	MF, WWF	-	No
Compressor Station 200		Frazer	19335	Chester	East Whiteland	20.28	3.16	40.04998, -75.58589	Malvern, PA	Valley Creek	EV, MF, CWF	-	Yes
Compressor Station 515		White Haven	18661	Luzerne	Buck	952.63 (Included with Regional Energy Lateral)	24.83 (included with Regional Energy Lateral)	41.17380, -75.67118	Pleasant View Summit, PA	Shades Creek, Stony Run	HQ-CWF, MF	-	No



MUNICIPAL NOTIFICATION OF PLANNED LAND DEVELOPMENT FOR CHAPTER 102 PERMITS

PROJECT INFORMATION (COMPLETED BY APPLICANT)

Applicant Name:	Transcontinental Gas Pipe Line Company, a subsidiary of Williams Partners, L.P.	Contact Name:	Joseph Dean Manager-Permitting
Applicant Address:	2800 Post Oak Blvd, Level 11	Contact Phone:	(713) 215-3427
Applicant City, State, ZIP:	Houston, TX 77056	County:	Luzerne

Description of Proposed Land Development and Stormwater Controls:

Municipality: **Laflin**

The Regional Energy Lateral component of the Regional Energy Access Expansion Project will consist of approximately 22.3 miles of 30-inch diameter pipeline, partially co-located with existing Transco Leidy Line-A, in Buck, Bear Creek, Plains, Jenkins, Kingston and Dallas Townships, and Laflin, Wyoming, and West Wyoming Boroughs, Luzerne County, Pennsylvania. The Regional Energy Lateral begins at existing Compressor Station 515 in Buck Township and continues westward to its terminus at Transco's existing Hildebrandt Tie-in in Dallas Township. Transco will be installing four mainline valves with appurtenant equipment, as a means to isolate gas flows along the Regional Energy Lateral. The mainline valve sites at each pipeline terminus (MLV515RA10 at Compressor Station 515 and MLV515RA40 at the Hildebrandt Tie-in) will also have pig traps (industry term for manifolds that launch or receive in-line inspection tools). The other two valve sites are proposed along the pipeline route (MLV515RA20 at Milepost 7.5 and MLV515RA30 at Milepost 14.8). Modifications at three existing pipeline interconnects are proposed to tie-in the proposed pipeline to the existing facilities. The Carverton Tie-In is located at Milepost 16.8. The Lower Demunds Tie-In is located at Milepost 22.3 and also includes a +/- 400-ft segment of 20-in pipeline to connect to the existing facility. The Hildebrandt Tie-In is located at the Regional Energy Lateral pipeline terminus and includes MLV515RA40. Two contractor yards are proposed for the Project and are located adjacent to the pipeline. CY-LU-001 is located at Milepost 15.3 and CY-LU-002 is located at Milepost 10.5. Cathodic protection equipment will be installed along the pipeline route. Deep anode ground beds are proposed at Mileposts 7.5 and 19.8, and one remote anode ground bed is proposed at Milepost 15.3. E&S and PCSM BMP's are proposed within Laflin Borough. PCSM BMP's are associated with stream stabilization.

Project Area: **51.86** acres ☐ PhasedDisturbance: **31.56** acres

Tax Parcel ID(s) Affected by Proposed Land Development:

Surface Waters Receiving Stormwater Discharges:

Gardner Creek**See attached table**Discharge to: ☐ MS4 ☐ Other SS ☐ CSS

The following information was submitted to the municipality for this project:

☐ Land Development / Subdivision Plan ☒ E&S Plan ☒ PCSM Plan ☐ Other:

***On March 31, 2021 Transco submitted to you its E&S and PCSM Plans (Plans) as part of the ESCGP-3 permit application notification. The purpose of this notice is to let you know that Transco will be submitting an Erosion and Sediment Control Permit for Discharges of Stormwater Associated with Construction Activities Application to the PA Dept. of Environmental Protection to replace the ESCGP-3 application. Please refer to the previously submitted Plans.**

MUNICIPAL PLAN / ORDINANCE INFORMATION (COMPLETED BY MUNICIPALITY)

1. Is there an adopted municipal or multi-municipal comprehensive plan? ☐ Yes ☐ No
2. Is there an enacted municipal or multi-municipal zoning ordinance? ☐ Yes ☐ No
3. If Yes to #2, is the proposed project consistent with the ordinance? ☐ Yes ☐ No
4. Is there a municipal stormwater management ordinance? ☐ Yes ☐ No
5. If Yes to #4, is the proposed project consistent with the ordinance, without waiver? ☐ Yes ☐ No
6. If Yes to #4, indicate type of ordinance: ☐ Act 167 Model Ordinance ☐ DEP Model Ordinance (MS4s) ☐ Other


APPLICANT CERTIFICATION

I certify under penalty of law (see 18 Pa.C.S. § 4904 (relating to unsworn falsification)) that the information reported herein was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the information, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

MUNICIPAL ACKNOWLEDGEMENT

The municipality acknowledges that a permit application for the above-referenced project has been submitted to a reviewing agency and that notification requirements of Act 14 of 1984 and Acts 67, 68, and 127 of 2000 have been satisfied. The information reported herein by the municipality is true and accurate. The municipality reserves the right to comment to the reviewing agency relative to comprehensive plans, zoning, and stormwater ordinance consistency. Municipal acknowledgment of receipt of notification shall not be construed as project approval.

Joseph Dean

Applicant Name**Applicant Signature**

Manager - Permitting

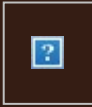
Applicant Title

07/01/2021

Date of Signature**Municipal Representative Name****Municipal Representative Signature****Municipal Representative Title****Date of Signature**

Tax Account Number/APN	Legal Desc County	Municipality
36F11 00A007000	Luzerne	Laflin
36F11 00A007000	Luzerne	Laflin
36F11 00A007000	Luzerne	Laflin
36F11 00A007000	Luzerne	Laflin
36F11 00A00D000	Luzerne	Laflin
36F11 00A07M000	Luzerne	Laflin
36F11 00A08A000	Luzerne	Laflin
36F11S5 001015000	Luzerne	Laflin
36F11S5 004001000	Luzerne	Laflin
36F11S5 004004000	Luzerne	Laflin
36F11S5 00405A000	Luzerne	Laflin
36F11S5 005003000	Luzerne	Laflin
36F11S5 005013000	Luzerne	Laflin
36F11S5 005013000	Luzerne	Laflin
36F11S5 005014000	Luzerne	Laflin
36F11S5 005015000	Luzerne	Laflin
36F11S8 06A13B000	Luzerne	Laflin
36F11S8 06A17A000	Luzerne	Laflin
36F11S8 06A19A000	Luzerne	Laflin
36F11S8 06A19B000	Luzerne	Laflin
36F11S8 06A20A000	Luzerne	Laflin
36F11S8 06C009000	Luzerne	Laflin
N/A	Luzerne	Laflin

From: [UPS](#)
To: SFOX@WHMGROUP.COM
Subject: UPS Delivery Notification, Tracking Number 1Z8797VV0396891904
Date: Wednesday, July 7, 2021 7:04:13 PM



Hello, your package has been delivered.

Delivery Date: Wednesday, 07/07/2021

Delivery Time: 7:02 PM

Left At: OFFICE

Signed by: BOOK RETURN BIN

WHM CONSULTING, INC

Tracking Number:	1Z8797VV0396891904
Ship To:	LAFLIN BOROUGH SUPERVISORS 47 LAFLIN ROAD WILKES BARRE, PA 18702 US
Number of Packages:	1
UPS Service:	UPS Ground
Package Weight:	1.0 LBS
Reference Number:	WILLIAMS-20-244, TASK 2C



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March 31, 2021

UPS TRACKING (1Z8797VV039228823)

Lafin Borough Supervisors
Lafin Borough Municipal Building
47 Lafin Road
Wilkes Barre, PA 18702-7213

Re: Regional Energy Access Expansion Project– Regional Energy Lateral and Compressor Station 515
Pennsylvania Acts 14, 67, 68, and 127 Notification
Lafin Borough, Luzerne County, Pennsylvania

Dear Borough Supervisors:

This municipal notice, under the requirements of Act 14, 97 P.S. § 510-5, is to inform you that Transcontinental Gas Pipe Line Company, LLC (Transco), a subsidiary of The Williams Companies, Inc. (Williams) is applying for coverage under the Erosion and Sediment Control General Permit (ESCGP-3) for Earth Disturbance Associated with Oil & Gas Exploration, Production, Processing or Treatment Operations or Transmission Facilities from the Pennsylvania Department of Environmental Protection (DEP).

1) Project Name: Regional Energy Access Expansion Project – Regional Energy Lateral and Compressor Station 515

2) Project Description: Transco, indirectly owned by The Williams Companies, Inc. (Williams), is seeking authorization from the Federal Energy Regulatory Commission (FERC or Commission) under Section 7(c) of the Natural Gas Act and Part 157 of the Commission's regulations, to construct, own, operate, and maintain the proposed Project facilities. The Project is an expansion of Transco's existing natural gas transmission system that will enable Transco to provide an incremental 829,400 dekatherms per day (Dth/d) of year-round firm transportation capacity from the Marcellus Shale production area in northeastern Pennsylvania (PA) to multiple delivery points along Transco's Leidy Line in PA, Transco's mainline at the Station 210 Zone 6 Pooling Point in Mercer County, New Jersey (NJ) and multiple delivery points in Transco's Zone 6 in NJ, PA, and Maryland (MD).

The Regional Energy Lateral component of the Project will consist of approximately 22.3 miles of 30-inch diameter pipeline, partially co-located with existing Transco Leidy Line-A, in Buck, Bear Creek, Plains, Jenkins, Kingston and Dallas Townships, and Lafin, Wyoming, and West Wyoming Boroughs, Luzerne County, Pennsylvania. The Regional Energy Lateral begins at existing Compressor Station 515 in Buck Township and continues westward to its terminus at Transco's existing Hildebrandt Tie-in in Dallas Township. Transco will be installing four mainline valves with appurtenant equipment, as a means to isolate gas flows along the Regional Energy Lateral. The mainline valve sites at each pipeline terminus (MLV515RA10 at Compressor Station 515 and MLV515RA40 at the Hildebrandt Tie-in) will also have pig traps (industry term for manifolds that launch or receive in-line inspection tools). The other two valve sites are proposed along the pipeline route (MLV515RA20 at Milepost 7.5 and MLV515RA30 at Milepost 14.8). Modifications at three existing pipeline interconnects are proposed to tie-in the proposed pipeline to the existing facilities. The Carverton Tie-In is located at Milepost 16.8. The Lower Demunds Tie-In is located at Milepost 22.3 and also includes a +/- 400-ft segment of 20-in pipeline to connect to the existing facility. The Hildebrandt Tie-In is located at the Regional Energy Lateral pipeline terminus and includes MLV515RA40. Two contractor yards are proposed for the Project and are located adjacent to the pipeline. CY-LU-001 is located at Milepost 15.3 and CY-LU-002 is located at Milepost 10.5. Cathodic protection

equipment will be installed along the pipeline route. Deep anode ground beds are proposed at Mileposts 7.5 and 19.8, and one remote anode ground bed is proposed at Milepost 15.3.

The existing Compressor Station 515 component of the Project is located at the eastern terminus of the Regional Energy Lateral in Buck Township, Luzerne County. Proposed at this facility is the addition of two gas-fired turbine driven compressor units with 63,742 nominal HP at ISO conditions and modification of three existing compressors to support the Project and to accommodate the abandonment and replacement of approximately 17,000 HP from five existing gas-fired reciprocating engine driven compressors and increase the certificated station compression by 46,742 HP. One Mainline Valve will be installed at this facility (MLV515RA10).

3) Applicant Name: Transcontinental Gas Pipe Line Company, LLC's (Transco), a subsidiary of Williams Partners L.P. (Williams)

4) Applicant Contact: Joseph Dean
Manager, Permitting
2800 Post Oak Blvd, Level 11
Houston, TX 77056
(713) 215-3427

5) Site Location: The proposed Project is located on the Kingston, Pittston, Wilks-Barre East, Pleasant View Summit, Pennsylvania, 7.5 Minute USGS quadrangle. The Project is partially co-located with an existing pipeline right-of-way. The eastern terminus of the Regional Energy Lateral is located at: 41°10'24.037" 75°40'18.141"W, and is also the location of Compressor Station 515. The western pipeline terminus: 41°20'48.869"N, 75°56'46.642"W.

6) Municipality / County: Buck, Bear Creek, Plains, Jenkins, Kingston, and Dallas Townships, Wyoming, West Wyoming, and Laflin Boroughs, Luzerne County

Act 14, which amended the Commonwealth's Administrative Code (71 P.S. § 510-5), requires every applicant for a new, amended, or revised permit to give written notice to each municipality (borough, township) and county government in which the facility is located. The municipality and county government must receive the written notice at least thirty (30) - days before DEP may issue or deny approval of coverage.

Enclosed is a complete copy of the Notice of Intent (NOI) completed for the project as well as copies of the erosion and sediment control plan and post construction stormwater management plans.

Sincerely,

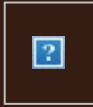


Ryan J. Nelson, PWS
WHM Consulting, LLC

Enclosures:

NOI Form
Erosion and Sediment Control Plan Drawings
Post Construction Stormwater Management Plan Drawings

From: [UPS](#)
To: SFOX@WHMGROUP.COM
Subject: UPS Delivery Notification, Tracking Number 1Z8797VV0393228823
Date: Thursday, April 1, 2021 2:36:56 PM



Hello, your package has been delivered.

Delivery Date: Thursday, 04/01/2021

Delivery Time: 02:34 PM

Left At: RECEIVER

Signed by: BOYED

WHM CONSULTING, INC

Tracking Number:	1Z8797VV0393228823
Ship To:	LAFLIN BOROUGH SUPERVISORS 47 LAFLIN ROAD WILKES BARRE, PA 18702 US
Number of Packages:	1
UPS Service:	UPS Ground
Package Weight:	4.0 LBS
Reference Number:	WILLIAMS-20-244 TASK 2C



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pennsylvania
DEPARTMENT OF ENVIRONMENTAL
PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF WATER PROGRAMS
OFFICE OF OIL AND GAS MANAGEMENT

OFFICIAL USE ONLY

ID # T

Date Received _____

AUTH _____

SITE _____

CLNT _____

APS _____

Fee _____

Check No. _____

Check Date _____

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT
CONTROL GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH
OIL AND GAS EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT
OPERATIONS OR TRANSMISSION FACILITIES**

**READ THE INSTRUCTIONS PROVIDED IN THIS PERMIT APPLICATION PACKAGE BEFORE COMPLETING
THIS FORM. PLEASE PRINT OR TYPE INFORMATION IN BLACK OR BLUE INK.**

SECTION A. APPLICATION TYPE

Check one:

NEW ☒ RENEWAL ☐ MAJOR MODIFICATIONS (Provide ESCGP number) ☐PHASED ☐ (check only if applicable; *note: Most projects are not submitted as phased projects*)Check one: EXPEDITED ☐ STANDARD ☒

If an Expedited Review Process being requested, be advised that the Expedited Review is not available for all projects. Refer to Section D - Expedited Review Process of the ESCGP-3 NOI Instructions to determine if the project is eligible.

SECTION B. CLIENT INFORMATION

Applicant's Last Name (If applicable)	First Name	MI	Telephone No.
Organization Name or Registered Fictitious Name Transcontinental Gas Pipe Line Company, LLC (Contact: Joseph Dean)			Telephone No. (713) 215-3427
DEP Client ID No.			
Headquarters Mailing Address 2800 Post Oak Blvd, Level 11	City Houston	State TX	ZIP Code 77056
Email Address Joseph.Dean@williams.com			
Co-Applicant's Last Name (If applicable)	First Name	MI	Telephone No.
Organization Name or Registered Fictitious Name			Telephone No.

Address	City	State	ZIP Code
Email Address			

SECTION C. SITE INFORMATION					
Is there an existing ESCGP associated with this site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, Permit No. _____					
Has a well permit application been submitted for this site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, Permit No. _____					
Does this site have a 911 address? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, <u>provide site location address.</u>					
Site Name Regional Energy Access Expansion Project					
Site Location See Attachment 1-1.1- NOI Supporting Information			Site No. (if another permit has been issued for the site)		
Site Location – City See Attachment 1-1.1- NOI Supporting Information				State PA	ZIP Code
Detailed Written Directions to Site See Attachment 1-1.1- NOI Supporting Information for locations of all project sites					
Primary Location	County Luzerne, Northampton, Bucks, Chester, and Monroe	Municipality Buck, Bear Creek, Plains, Jenkins, Kingston, Lower Mt. Bethel, Ross, Chestnut Hill, Tunkhannock, Lower Makefield, East Whiteland and Dallas Townships Wyoming, West Wyoming, and Laflin Boroughs	City <input type="checkbox"/>	Boro <input checked="" type="checkbox"/>	Twp. <input checked="" type="checkbox"/>
SECTION D. EXPEDITED REVIEW					
I. Expedited Review Eligibility					
1. Is any part of the project in the watershed of a surface water with an existing or designated use of exceptional value or high quality pursuant to Chapter 93 (relating to water quality standards), in an exceptional value wetland in accordance with 25 Pa. Code § 105.17, or in the watershed of an impaired surface water where the cause of the impairment is identified as siltation?			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
2. Will the project in which the well pad will be constructed be in or on a floodplain?			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
3. Is any earth disturbance located or proposed to be located on land known to be contaminated by the release of regulated substances as defined in Section 103 of Act 2, 35 P.S. § 6026.103?			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
4. Will naturally occurring geologic formations or soil conditions provide hazards to the project or surrounding environment or have the potential to cause or contribute to pollution when disturbed?			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
5. Do any unresolved non-compliance issues exist with the applicant or the facility?			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
6. Is the project a transmission project?			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

<p>If yes to any of the above questions the project is not eligible for Expedited Review; If the project is eligible for Expedited Review, all the following items must be completed.</p>	
<p>II. Expedited Review Process</p>	
1. Is the technically and administratively complete and accurate NOI package prepared and certified by a licensed professional?	<input type="checkbox"/> Yes <input type="checkbox"/> No
2. Are E&S and PCSM/Site Restoration Plan drawings and narrative prepared and sealed by a licensed professional? <i>(Include interim restoration details when needed)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No
3. Include a Resource Delineation Report and answer the following questions: (If the answer to question a. is "Yes" then skip to #4. If the answer to a. is "No" the applicant must answer "Yes" to at least one of the questions, b. through d. to be eligible for expedited review.)	
a. Were all wetland resources delineated during the growing season?	<input type="checkbox"/> Yes <input type="checkbox"/> No
b. If not during the growing season, was a follow-up visit conducted during the growing season to verify/adjust boundaries and look for potentially missed resources?	<input type="checkbox"/> Yes <input type="checkbox"/> No
c. Was a quality assurance field review conducted at a later date by an independent qualified wetland professional to verify boundaries and look for potentially missed resources? (If yes, attach Quality Assurance Field Review Report)	<input type="checkbox"/> Yes <input type="checkbox"/> No
d. Was a Jurisdictional Determination (JD) or Preliminary JD conducted by the US Army Corps of Engineers on the whole project? (If yes, attach Preliminary or Jurisdictional Determination Report)	<input type="checkbox"/> Yes <input type="checkbox"/> No
4. If applicable, have you included PNDI clearance letters or other documentation from applicable resource agencies?	<input type="checkbox"/> Yes <input type="checkbox"/> No
5. If the project site contains, is along, or within 100 feet of a river, stream, creek, lake, pond or reservoir, will you establish new or preserve existing riparian forest buffer at least 100 feet in width between the top of streambank or normal pool elevation of a lake, pond or reservoir and areas of earth disturbances. If no, will a waiver be obtained? <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
6. Name of Licensed Professional	
Company	
Address	
Phone	

SECTION E. PROJECT INFORMATION																	
1. Total Project Area/Project Site (Ac):	1,346 (Also see Attachment 1-1.1)	Total Disturbed Area (Ac):	689.8 (Also see Attachment 1-1.1)														
Increased disturbed acreage <i>(for permit modification only)</i>																	
Fee: <i>(For additional information regarding fees, refer to NOI Instructions #3 Permit NOI Filing Fees.)</i>			\$ \$500 (Filing Fee), \$69,000 (Disturbed Acre Fee)														
2. Project Name: Regional Energy Access Expansion Project																	
3. Project Type (Check all that apply) <table border="0" style="width: 100%;"> <tr> <td><input type="checkbox"/> Oil/Gas Well ¹</td> <td><input checked="" type="checkbox"/> Transmission Facility</td> </tr> <tr> <td><input type="checkbox"/> Gathering Facility</td> <td><input type="checkbox"/> Processing Facility</td> </tr> <tr> <td><input type="checkbox"/> Treatment Facility</td> <td><input type="checkbox"/> Well Development Impoundment</td> </tr> <tr> <td><input checked="" type="checkbox"/> Compressor Station</td> <td><input type="checkbox"/> Non-FERC regulated Transmission Facility</td> </tr> <tr> <td><input checked="" type="checkbox"/> Pipeline</td> <td><input type="checkbox"/> Ground/Surface Water Withdrawal Site</td> </tr> <tr> <td><input type="checkbox"/> Storage Field Facility</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Other</td> <td></td> </tr> </table>				<input type="checkbox"/> Oil/Gas Well ¹	<input checked="" type="checkbox"/> Transmission Facility	<input type="checkbox"/> Gathering Facility	<input type="checkbox"/> Processing Facility	<input type="checkbox"/> Treatment Facility	<input type="checkbox"/> Well Development Impoundment	<input checked="" type="checkbox"/> Compressor Station	<input type="checkbox"/> Non-FERC regulated Transmission Facility	<input checked="" type="checkbox"/> Pipeline	<input type="checkbox"/> Ground/Surface Water Withdrawal Site	<input type="checkbox"/> Storage Field Facility		<input type="checkbox"/> Other	
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<input checked="" type="checkbox"/> Pipeline	<input type="checkbox"/> Ground/Surface Water Withdrawal Site																
<input type="checkbox"/> Storage Field Facility																	
<input type="checkbox"/> Other																	
¹ If Oil/Gas Well; is the well conventional or unconventional? <input type="checkbox"/> Conventional <input type="checkbox"/> Unconventional																	

Project Description

Transco, indirectly owned by The Williams Companies, Inc. (Williams), is seeking authorization from the Federal Energy Regulatory Commission (FERC or Commission) under Section 7(c) of the Natural Gas Act and Part 157 of the Commission's regulations, to construct, own, operate, and maintain the proposed Project facilities

The Project is an expansion of Transco's existing natural gas transmission system that will enable Transco to provide an incremental 829,400 dekatherms per day (Dth/d) of year-round firm transportation capacity from the Marcellus Shale production area in northeastern Pennsylvania (PA) to multiple delivery points along Transco's Leidy Line in PA, Transco's mainline at the Station 210 Zone 6 Pooling Point in Mercer County, New Jersey (NJ) and multiple delivery points in Transco's Zone 6 in NJ, PA, and Maryland (MD). The Project will consist of the following components:

- Approximately 22.3 miles of 30-inch-diameter pipeline partially collocated with Transco's Leidy Line A from milepost (MP) 0.00 to MP 22.32 in Luzerne County, PA (Regional Energy Lateral);
 - Approximately 13.8 miles of 42-inch-diameter pipeline collocated with Transco's Leidy Line System from MP 43.72 to MP 57.50 in Monroe County, PA (Effort Loop);
 - New gas-fired turbine driven compressor station identified as Compressor Station 201 with 11,107 nominal horsepower (HP) at International Organization of Standardization (ISO) conditions in Gloucester County, NJ;
 - Addition of two gas-fired turbine driven compressor units with 31,800 nominal HP at ISO conditions at existing Compressor Station 505 in Somerset County, NJ, to accommodate the abandonment and replacement of approximately 16,000 HP from eight existing internal combustion engine-driven compressor units and increase the certificated station compression by 15,800 HP;
 - Addition of two gas-fired turbine driven compressor units with 63,742 nominal HP at ISO conditions and modification of three existing compressors at existing Compressor Station 515 in Luzerne County, PA to support the Project and to accommodate the abandonment and replacement of approximately 17,000 HP from five existing gas-fired reciprocating engine driven compressors and increase the certificated station compression by 46,742 HP;
 - Uprate and rewheel two existing electric motor-driven compressor units at existing Compressor Station 195 in York County, PA to increase the certificated station compression by 5,000 HP and accommodate the abandonment of two existing gas-fired reciprocating engine driven compressors which total approximately 8,000 HP of compression;
 - Modifications at existing Compressor Station 200 in Chester County, PA;
 - Uprate one existing electric motor-driven compressor unit at Compressor Station 207 in Middlesex County, NJ to increase the certificated station compression by 4,100 HP;
 - Modifications to three (3) existing pipeline tie-ins in PA (Hildebrandt Tie-in, Lower Demunds REL Tie-in, and Carverton Tie-in);
 - Addition of regulation controls at an existing valve setting on Transco's Mainline "A" in Bucks County, PA (Mainline A Regulator);
 - Modifications at the existing Delaware River Regulator in Northampton County, PA;
 - Modifications at the existing Centerville Regulator in Somerset County, NJ;
 - Modifications to the existing valves and piping at the Princeton Junction (Station 210 Pooling Point) in Mercer County, NJ;
 - Modifications to three (3) existing delivery meter stations in NJ (Camden M&R Station, Lawnside M&R Station, and Mt. Laurel M&R Station);
 - Modifications to one (1) existing delivery meter station in MD (Beaver Dam M&R Station);
 - Contractual changes (no modifications) at ten (10) existing delivery meter stations in PA and NJ (Algonquin-Centerville Meter Station, Post Road Meter Station, New Village Meter Station, Spruce Run Meter Station, Marcus Hook Meter Station, Ivyland Meter Station, Repaupo Meter Station, Morgan Meter Station, Lower Mud Run Meter Station, and Chesterfield Meter Station);
 - Additional ancillary facilities, such as mainline valves (MLVs), cathodic protection, communication facilities, and internal inspection device (e.g., pig) launchers and receivers in PA; and
 - Existing, improved, and new access roads and contractor yards/staging areas in PA, NJ, and MD.
- Provide the date of pre-application meeting (if conducted with the Department) 04/27/20, 07/09/20, 09/04/20, 09/30/20, 12/15/20, 12/16/20, 01/06/21, 02/05/21

4. Provide the latitude and longitude coordinates for the center of the project. The coordinates should be in Decimal degrees and North American Datum 1983. The coordinates must meet the current DEP policy regarding locational accuracy. For linear projects provide the project's termini. See Attachment 1-1.1

Latitude (DD) . Latitude (DD) . Horizontal Collection Method: <input type="checkbox"/> GPS <input checked="" type="checkbox"/> Interpolated from U.S.G.S. Topographic Map <input type="checkbox"/> DEP's eMAP	Longitude (DD) - . Longitude (DD) - .				
5. U.S.G.S. 7.5 min. topographic quadrangle Name (See Attachment 1-1.1) <i>(Include a copy of the project area on the 7.5 min quad map)</i>					
6. Will the project be conducted as a phased permit project? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Include Master Site Plan Estimated Timetable for Phased Projects. <input type="checkbox"/> Additional sheet(s) attached.					
Phase No. or Name	Description	Total Area	Disturbed Area	Start Date	End Date
7. List existing and previous land use for a minimum of the previous 5 years. (See Section 2 of this ESCGP-3 Application)					
8. Other Pollutants: Will the stormwater discharge contain pollutional substances other than sediment? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
9. Will fuels, chemicals, solvents, other hazardous waste or materials be used or stored on site during earth disturbance activities or will Horizontal Directional Drilling (HDD) activities be conducted? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If yes, Preparedness, Prevention and Contingency (PPC) Plan must be maintained on site during earth disturbance. See NOI Instructions, E.9 PPC Plan Guidance for further information.)</i>					
10. Is the project in the watershed of an impaired surface water where the cause of the impairment is identified as siltation? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (See Section 2-5 of this ESCGP-3 Application) <i>(If yes, show how the project will not result in a net change in volume, rate or water quality. See section I below, and E.10 of NOI instructions.)</i>					
11. Are there potentially hazardous naturally occurring geological or soil conditions in any portion of the project or surrounding area? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, do the potentially hazardous geologic or soil conditions have the potential to cause or contribute to pollution as a result of the proposed earth disturbance activities? If no, provide an explanation. If yes, Geologic Hazard Mitigation Plan must be attached and explain where in this application details are provided.					
12. Has the Act 14 Municipal Notification and proof of receipt of notification been attached to the NOI? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If not, the NOI is not complete, see E.12 and #4 Municipal Notification in the NOI Instructions for additional guidance.)</i>					
13. Has the PNDI receipt been attached to the NOI? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If not, the NOI is not complete, see E.13 and #5 PNHP in the NOI Instructions for additional guidance.)</i>					
14. Have the E&S Plan and PCSM/SR Plan been planned and designed to be consistent? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
15. Have existing and/or proposed Riparian Forest Buffers been identified? Yes <input checked="" type="checkbox"/> N/A <input type="checkbox"/> <i>(If yes, they must be shown on the E&S Plan as well as the PCSM/SR Plans.)</i>					
16. Have antidegradation implementation requirements for special protection waters been addressed? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> <i>(If yes, antidegradation requirements must be included in the plan.)</i>					

17. Has the seasonal high groundwater level been identified and 20-inch separation established at all excavation locations for pits for conventional operations and Well Development Impoundments for unconventional operations?

Yes ☐ No ☐ N/A ☒

<p>18. Receiving Waters</p> <p><u>Effort Loop-</u></p> <p><u>Lake Creek (HQ-CWF,MF)</u></p> <p><u>Princess Run (CWF,MF)</u></p> <p><u>Weir Creek (CWF,MF)</u></p> <p><u>McMichael Creek (EV, MF) and (HQ-CWF)</u></p> <p><u>Pohopoco Creek (CWF,MF)</u></p> <p><u>Sugar Hollow Creek (CWF,MF)</u></p> <p><u>Poplar Creek (EV,CWF,MF)</u></p> <p><u>Mud Run (HQ-CWF, MF)</u></p> <p><u>Mud Pond Run (HQ-CWF,EV,MF)</u></p> <p><u>Tunkhannock Creek (HQ-CWF,MF)</u></p> <p><u>Regional Energy Lateral-Stony Run (HQ-CWF,MF)</u></p> <p><u>Shades Creek (HQ-CWF,MF)</u></p> <p><u>Little Shades Creek (HQ-CWF,MF)</u></p> <p><u>Snider Run (HQ-CWF,MF)</u></p> <p><u>Meadow Run (HQ-CWF,MF)</u></p> <p><u>Bear Creek (HQ-CWF,MF)</u></p> <p><u>Little Bear Creek (HQ-CWF,MF)</u></p> <p><u>Mill Creek (CWF,MF)</u></p> <p><u>Gardner Creek (CWF,MF)</u></p> <p><u>Susquehanna River (WWF,MF)</u></p> <p><u>Abrahams Creek (CWF,MF)</u></p> <p><u>Toby Creek (CWF,MF)</u></p> <p><u>Trout Brook (CWF,MF)</u></p> <p><u>Compressor Station 515-Shades Creek (HQ-CWF,MF)</u></p> <p><u>Stony Run (HQ-CWF,MF)</u></p> <p><u>Compressor Station 200-Valley Creek (EV,MF)</u></p> <p><u>Delaware River Regulator-Mud Run (CWF, MF)</u></p> <p><u>Mainline "A" Regulator - Dyers Creek (WWF,MF)</u></p> <p><u>See Attachment 1-1.1 for detailed list.</u></p>	<p>Chapter 93, Designated Use Stream Classification</p> <p><input checked="" type="checkbox"/> HQ <input checked="" type="checkbox"/> EV <input checked="" type="checkbox"/> Other <u>CWF, MF, WWF</u></p> <p><input checked="" type="checkbox"/> Siltation-impaired</p>	<p>Chapter 93, Existing Use Stream Classification</p> <p><input type="checkbox"/> HQ <input checked="" type="checkbox"/> EV <input checked="" type="checkbox"/> Other <u>MF</u></p> <p><input type="checkbox"/> Siltation-impaired</p>
	<p><input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____</p> <p><input type="checkbox"/> Siltation-impaired</p>	<p><input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____</p> <p><input type="checkbox"/> Siltation-impaired</p>

	<input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired <input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired	<input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired <input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired
Secondary Receiving Water	Secondary Chapter 93, Designated Use	Secondary Existing Use
Name of Municipal or Private Separate Storm Sewer Operator, if applicable.		
Non-Surface Receiving Water: (include off-site discharges)		

SECTION F. EROSION AND SEDIMENT CONTROL (E&S) PLAN
See the attached Instructions for additional guidance with E&S Plans

Erosion and Sediment Control Plan BMPs should be designed to minimize accelerated erosion and sedimentation through limiting the extent and duration of earth disturbance, protection of existing drainage and vegetation, limiting soil compaction and controlling the generation of increased runoff. The Department recommends the use of the *Pennsylvania Erosion & Sedimentation Pollution Control Program Manual (E&S Manual)* (363-2134-008) to achieve this goal. The E&S Plan must meet the requirements of Pa. Code § 102.4(b) and submitted with the NOI. Also, see section 2. of the NOI instruction for detailed information on completing the E&S plan and additional requirements.

a. E&S Plan Summary

Provide a summary of proposed E&S BMPs and their performance to manage E&S for the project.

Typical BMPs provided along the pipeline Right-Of-Way includes waterbars, trench plugs, compost filter socks, compost sediment traps, rock filter outlets, erosion control blankets, rock construction entrances, temporary equipment bridges, timber mats, diversion channels, level spreaders, mulch and seed. An appropriate sediment removal device (filter bag, dewatering structure) and well-vegetated area will be utilized for trench dewatering. In HQ, EV watersheds, appropriate Antidegradation Best Available Combination of Technologies (ABACT) BMPs will be utilized. Additional information regarding all the proposed BMPs are provided in the Erosion and Sedimentation Control and Site Restoration Plans of respective project components (Section 2 of this ESCGP-3 Application).

b. E&S Plan BMP Design

Check those that apply:

- ☒ E&S Plan is designed using BMPs in the *E&S Manual*.
- ☐ E&S Plan is designed using an alternative BMP or design standard approved by DEP.

Note: NOI packages submitted with alternate BMPs not approved by the Department will be returned to the Applicant.

c. Do you have any information regarding riparian buffer which differs from Section G, Riparian Buffer?

Yes ☐ No ☒

Explain:

d. Thermal Impacts Analysis

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

Thermal impacts associated with Regional Energy Access Expansion Project will be avoided to the maximum extent possible. Minimum permanent changes in land cover are being proposed for constructing the pipeline facilities. Runoff from impervious areas added during the project will be suitably routed to Stormwater BMPs. Gravel will be used for access roads wherever practicable. To avoid thermal impacts arising from clearing and grading, removal of vegetation will be limited to only that necessary for construction and construction Right-Of-Way will be limited to 75 feet in wetlands and floodways where practical. Once construction activities are complete, disturbed areas will be restored to pre-construction contours and seeded as described in Erosion and Sediment Control and Site Restoration Plans. Temporary workspaces will be restored back with woody and herbaceous species. Thermal impacts assessments corresponding to each project component including pipelines and aboveground facilities are given in Section 2 and 3 of this ESCGP-3 Application.

e. Off-Site Discharge Analysis

Does the activity propose any off-site discharges to areas other than surface waters? ☒ Yes ☐ No

If yes, it is the applicant's responsibility to ensure that they have legal authority for any off-site discharge to neighboring properties.

The applicant must provide a demonstration in both E&S and PCSM/SR plans that the discharge will not cause erosion, damage, or a nuisance to off-site properties.

See Offsite Discharge Analysis Sections in E&S Narratives

SECTION G. RIPARIAN BUFFER

1. Will you be protecting, converting or establishing a voluntary riparian forest buffer as part of this project?
☐ Yes ☒ No
If yes, as part of the PCSM/SR Plan, provide a Buffer Management Plan.
2. Will proposed earth disturbance activities be conducted in an EV or HQ watershed AND within 150 feet of a perennial or intermittent river, stream, or creek, or lake, pond, or reservoir? ☒ Yes ☐ No
If no, proceed to the next section/module.
3. Does this project qualify for an exception (see § 102.14(d)(1))? ☒ Yes ☐ No
If yes, indicate below the type of project for which the exception applies by marking the appropriate box.
☐ Oil and gas activities for which site reclamation or restoration is part of the permit authorization in Chapter 78 and 78a.
☒ Road maintenance activities.
☐ The repair or maintenance of existing pipelines and utilities.
☐ Other (see §102.14(d)(1))
If exceptions are checked, explain how existing riparian buffer will be undisturbed to the extent practicable. Provide a demonstration that the requirements of §102.14(b) are met, or provide the necessary information to request a riparian buffer waiver.
4. Are you requesting a riparian buffer waiver for this project (see § 102.14(d)(2))? ☒ Yes ☐ No
If yes, indicate below the type of project for which you are requesting a waiver by marking the appropriate box.
☒ Linear project that may include pipelines, public roadways, rail lines, or utility lines.
☒ Project is of a temporary nature where the site will be fully restored to its preexisting conditions during the ESCGP permit term.
☒ Project where compliance with mandatory riparian buffers is not appropriate or feasible due to site characteristics or existing structures at the project site.
☐ Other (see §102.14(d)(2)):
If waivers are checked, explain how existing riparian buffers will be undisturbed to the extent practicable.
Note: If "Yes" to #2 **AND** "No" to #3 and #4, provide an attachment to demonstrate how the requirements of §102.14 are met.

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PCSM) AND/OR SITE RESTORATION(SR) PLAN

See NOI Instructions for additional guidance with PCSM Plans

PCSM/SR BMPs should be designed to use natural measures to eliminate pollution, infiltrate runoff, not require extensive construction/maintenance, promote pollutant reduction, and preserve the integrity of stream channels. All PCSM/SR BMPs proposed in the PCSM/SR Plan must be designed in accordance with Ch. 102, Ch. 78a for unconventional operations, Ch. 78 for conventional operations and the *Pennsylvania Stormwater Best Management Practices Manual (Stormwater BMP Manual)* (363-0300-002). If alternate design criteria are utilized for the proposed project, they must have prior approval by the Department, or the NOI Application will be returned to the Applicant.

After construction is completed, how much of the entire disturbed area will be restored to meadow in good condition or better, or existing conditions? ☐ All ☒ Partial ☐ None

Include PCSM narrative and drawings for remaining impervious area. Also include a map showing the proposed contours of the site restoration plan.

If there are additional stages of the project prior to permit termination or expiration, list the stages and provide the documents required by subsection 'a' to section 'g' for each stage (e.g. partial restoration or changes to the amount of compacted areas, gravel, and/or impervious areas). Upload a narrative for each additional stage in addition to the drawings.

EXAMPLE

Stage No	Stage Name	PCSM Plan	SR Plan
Stage 1		<input type="checkbox"/>	<input type="checkbox"/>
Stage 2		<input type="checkbox"/>	<input type="checkbox"/>
Stage 3		<input type="checkbox"/>	<input type="checkbox"/>
Stage 4		<input type="checkbox"/>	<input type="checkbox"/>

Act 167 Consistency. Check those that apply.

Is there an Act 167 Plan? ☒ Yes ☐ No

☒ The attached PCSM/SR Plan is consistent with an applicable approved Act 167 Plan.

Complete the following for all approved Act 167 Stormwater Management Plans. (Use additional sheets if necessary)

Act 167 Plan Name _____ Date Adopted _____ Consistency Letter Included ☐

Luzerne County Stormwater August 18, 2010 Verification Report Included ☒

Management Ordinance

Valley Creek Watershed Stormwater February 04, 2011

Management Plan

Note: A consistency letter is not required if a verification report is provided. See NOI Instructions. The PCSM/SR Plan must satisfy either sub paragraph 1, 2, or 3 below. Check those that apply.

1. ☒ Act 167 Plan approvals on or after January 2005 – The attached PCSM/SR Plan, in its entirety, is consistent with all requirements pertaining to rate, volume, and water quality from an Act 167 Stormwater Management Plan approved by DEP on or after January 2005. Box 1 must be checked if a current, DEP approved Act 167 plan exists.
2. ☒ The PCSM/SR Plan meets the standard design criteria from sections 102.8(g)(2) and (3) and the *Stormwater BMP Manual*. For projects involving oil and gas activities authorized by a permit issued under Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure, post construction stormwater management requirements are met for all areas that are restored to preconstruction conditions or to a condition of meadow in good condition or better. *[Note: PCSM plans must meet both the volume and rate requirements in the regulations, which are provided in the 2 sections mentioned in this paragraph].*
3. ☐ Alternative Design Standard – The attached PCSM/SR Plan was developed using approaches as provided in 102.8(g)(2)(iv) and 102.8(g)(3)(iii). Demonstrate/explain in the space provided below how this standard will be either more protective than what is required in 102.8(g)(2) and 102.8(g)(3) or will maintain and protect existing water quality and existing and designated uses.

PCSM/SR BMP Alternative Standards:

Has the alternative BMP or design standard been approved by the Department?

☐ Yes

☐ No – Do not submit the ESCGP-3 application and see Section (H) of the NOI Instructions concerning the alternative BMP approval process.

Water Quality Compliance:

Does the PCSM/SR plan comply with requirements for volume control? ☒ Yes ☐ No

If yes, is at least 90% of the disturbed area controlled by a PCSM BMP? ☒ Yes ☐ No

If yes, do you have the Standard PCSM Worksheet # 10 attached to show water quality compliance has achieved?

☒ Yes ☐ No

If no, attach Standard PCSM Worksheets # 12 and #13 to show water quality compliance has achieved.

If PCSM/SR plan is not complying with the requirements for volume control, attach Standard PCSM Worksheets # 11, # 12 and #13 to show water quality compliance has achieved.

a. PCSM/SR Plan Summary

Provide a summary of proposed BMPs and their performance to manage PCSM/SR for the project.

Along the pipeline Right-Of-Way, typical E&S BMPs such as waterbars and erosion control blanket will be left in place as part of site restoration. After construction activities are completed, temporary workspaces will be restored to meadow in good condition or better than existing conditions. For the aboveground facilities, PCSM BMPs such as infiltration basins, diversion channels and vegetated swales will be used and left in place as part of site restoration. Additional information regarding all the proposed BMPs are provided in the Post-Construction Stormwater Management Plans of respective project components (Section 3 of this ESCGP-3 Application).

Check all that apply ☒ PCSM BMPs ☒ SR BMPs

b. Do you have any information regarding riparian buffer which differs from what was submitted in the Section G, Riparian Buffer?

☐ Yes ☒ No

Explain:

c. Thermal Impacts Analysis

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

Runoff collected in PCSM BMPs such as infiltration basins will mitigate thermal impacts from post construction stormwater. Runoff collected in infiltration basins are discharged to receiving waters are not expected to be retained for more than 24 hours. Minimum permanent changes in land cover are being proposed for constructing the pipeline facilities. Gravel will be used for access roads wherever practicable. Removal of trees and riparian vegetation and addition of impervious surfaces will be limited to only that necessary for construction. Once construction activities are complete, disturbed areas will be restored to pre-construction contours and seeded as described in Erosion and Sedimental Control and Site Restoration Plans. Temporary workspaces will be restored back with woody and herbaceous species. Thermal impacts assessments corresponding to each project component including pipelines and aboveground facilities are given in Section 2 and 3 of this ESCGP-3 Application.

d. Off-Site Discharge Analysis.

Does the activity propose any off-site discharges to areas other than surface waters? ☒ Yes ☐ No

If yes, it is the applicant's responsibility to ensure that they have legal authority for any off-site discharge to neighboring properties.

The Applicant must provide a demonstration in both the E&S and PCSM/SR Plans that the discharge will not cause erosion, damage, or a nuisance to off-site properties.

See Offsite Discharge Analysis Sections in PCSM Narratives

NOI Section H. POST CONSTRUCTION STORMWATER MANAGEMENT (PCSM) PLANS

Summary Calculations of Post Construction Stormwater BMPs

1. Regional Energy Lateral Pipeline - MLV-515RA20
2. Regional Energy Lateral Pipeline - MLV-515RA30
3. Regional Energy Lateral Pipeline - Carverton Tie-in
4. Regional Energy Lateral Pipeline - Lower Demunds REL Tie-in
5. Regional Energy Lateral Pipeline – Hildebrandt Tie-in/MLV-515RA40
6. Effort Loop Pipeline - MLV-505LD86
7. Compressor Station 200
8. Compressor Station 515

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - MLV-515RA20 - Zenker Valve Yard

e. Summary Table for Supporting Calculation and Measurement Data
(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Mill Creek			
Volume Control design storm frequency 2-year Rainfall amount 2.95 inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.19	+0.19
Volume of stormwater runoff (acre- feet) without planned stormwater BMPs	0.04	0.06	+0.02
Volume of stormwater runoff (acre- feet) with planned stormwater BMPs		0.03	-0.01
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	3.51	3.22	-0.29
2) 10-Year/24-Hour	6.82	6.17	-0.65
3) 50-year/24-Hour	11.88	11.12	-0.76
4) 100-year/24-Hour	14.91	14.91	-0.00

f. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Vegetated Swale	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input checked="" type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ <u>1,396cf(2-yr);</u> <u>6,186cf(100-yr)</u>	_____ _____ <u>0.28</u>
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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g. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Dry Extended Detention Basin area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Channels to ensure they have been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Dry Extended Detention Basin to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Dry Extended Detention Basin the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. At completion of Collection Channel C1 to ensure it has been constructed to the proposed line and grade, the specified lining material has been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
6. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to Collection Channel C1.
7. For final inspection of constructed BMPs.
8. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL GENERAL PERMIT (ESGCP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR TRANSMISSION FACILITIES

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - MLV-515RA30 - Wyoming Valve Yard

b. Summary Table for Supporting Calculation and Measurement Data (See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Susquehanna-Solomon Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>2.57</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.24	+0.24
Volume of stormwater runoff (acre- feet) without planned stormwater BMPs	0.03	0.06	+0.03
Volume of stormwater runoff (acre- feet) with planned stormwater BMPs		0.03	-0.00
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.22	0.02	-0.20
2) 10-Year/24-Hour	0.68	0.03	-0.65
3) 50-year/24-Hour	1.52	0.06	-1.46
4) 100-year/24-Hour	2.06	0.07	-1.99

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Soil Amendment	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>451cf(2-yr);</u> <u>2,511cf(100-yr)</u> _____ _____ _____ _____	_____ <u>0.21</u> _____ _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input checked="" type="checkbox"/> Other <u>Vegetated Swale</u>	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	 <u>1,009cf(2-yr):</u> <u>4,264cf(100-yr)</u>	 <u>0.49</u>
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Vegetated Swale area has been flagged and fence erected to prevent access to the area.
2. At the beginning of construction of the Vegetated Swale to ensure the infiltration area has not been compacted by construction activities.
3. During construction of the Vegetated Swale the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
4. At completion of Collection Channel C1 to ensure it has been constructed to the proposed line and grade, the specified lining material has been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the infiltration berm.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - Carverton Tie-In

<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i> The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Abrahams Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>2.61</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.03	0.11	+0.08
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.02	0.03	+0.01
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.00	-0.02
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.46	0.00	-0.46
2) 10-Year/24-Hour	0.91	0.00	-0.91
3) 50-year/24-Hour	1.61	0.00	-1.61
4) 100-year/24-Hour	2.01	0.00	-2.01

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>1,280cf (2-yr);</u> <u>4,445cf(100-yr)</u>	_____ _____ _____ _____ <u>0.26</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. At the beginning of construction to ascertain the Infiltration Berm area has been flagged and fence erected to prevent access to the area.
2. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the infiltration berm.
3. At the beginning of construction of the Infiltration Berm to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the infiltration berm the licensed professional will observe that the berm is constructed in accordance with the plans and specifications.
5. For final inspection of constructed BMPs.
6. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - Lower Demunds REL Tie-In

<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i></p> <p>The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Toby Creek			
Volume Control design storm frequency 2-year Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.12	+0.12
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.02	0.04	+0.02
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.01	-0.01
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.20	0.00	-0.20
2) 10-Year/24-Hour	0.40	0.00	-0.40
3) 50-year/24-Hour	0.71	0.20	-0.51
4) 100-year/24-Hour	0.89	0.51	-0.38

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>1,481cf(2-yr);</u> <u>4,356cf(100-yr)</u> _____ _____ _____	_____ <u>0.17</u> _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Valve Yard Pad area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Berm/Channel to ensure it has been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Valve Yard Pad to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Valve Yard Pad the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the outlet structure.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline – MLV-515RA40-Hildebrandt Tie-In

b. Summary Table for Supporting Calculation and Measurement Data

(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Toby Creek

Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.0	0.22	+0.22
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.03	0.07	+0.04
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.01	-0.02
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.34	0.20	-0.14
2) 10-Year/24-Hour	0.67	0.38	-0.29
3) 50-year/24-Hour	1.20	0.65	-0.55
4) 100-year/24-Hour	1.52	0.80	-0.72

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Vegetated Swale	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>2,265cf(2-yr);</u> <u>5,881cf(100-yr)</u>	_____ <u>0.21</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____

<input type="checkbox"/> Roadside Vegetated Filter Strips		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Stormwater Energy Dissipaters	Infiltration/Recharge			
<input type="checkbox"/> Level Spreaders		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Riprap Aprons		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Upslope Diversions		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Other _____		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____

d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Valve Yard Pad area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Channel to ensure it has been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Valve Yard Pad to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Valve Yard Pad the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the outlet structure.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Effort Loop Pipeline-MLV-505LD86 Sugar Hollow Valve Yard

<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i> The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Pohopoco Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.26</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.09	0.62	+0.53
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.35	0.44	+0.09
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.28	-0.07
Stormwater discharge rate for the design frequency storm DA-1	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.01	0.01	-0.00
2) 10-Year/24-Hour	0.37	0.31	-0.06
3) 50-year/24-Hour	5.89	4.21	-1.68
4) 100-year/24-Hour	11.47	8.28	-3.19
Stormwater discharge rate for the design frequency storm DA-2	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	4.51	3.97	-0.54
2) 10-Year/24-Hour	12.49	12.28	-0.21
3) 50-year/24-Hour	26.58	24.35	-2.23
4) 100-year/24-Hour	35.41	31.74	-3.67

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input checked="" type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ <u>1,123cf(2-yr);</u> <u>21,318cf(100-yr)</u> _____ <u>5,915cf(2-yr);</u> <u>26,924cf(100-yr)</u>	_____ _____ <u>2.85</u> _____ <u>1.54</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. For the final grading of the access road, ensuring it is constructed according to the plan details for proper conveyance of runoff.
2. Following final grading and seeding of the diversion channels and basin, in order to confirm they have been constructed according to the plan details for proper collection and conveyance of runoff. Periodic assessments will need to be made to ensure accumulated sediment have been cleaned out so the channels and basin maintain the necessary design volumes.
3. During the layout and excavation of the outlet control structure, the professional or delegate will ensure sizing, materials specifications, and construction procedures are followed to enable proper storage in the basin.
4. Following final grading and seeding of the infiltration berm in order to confirm they have been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessment will need to be made to ensure that accumulated sediment have been cleaned out so the area behind the berm maintains the necessary design volume.
5. For final inspection of constructed channels, basin and berms.
6. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Compressor Station 200

b. Summary Table for Supporting Calculation and Measurement Data

(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Valley Creek

Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.30</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.25	0.40	+0.15
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.07	0.11	+0.04
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.07	-0.00
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	1.03	0.15	-0.88
2) 10-Year/24-Hour	2.06	1.39	-0.67
3) 50-year/24-Hour	3.19	2.79	-0.40
4) 100-year/24-Hour	3.97	3.50	-0.47

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>3,790cf(2-yr);</u> <u>11,631cf(100-yr)</u>	_____ _____ _____ _____ <u>0.56</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Following final grading and seeding of the infiltration berm in order to confirm it has been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessments will need to be made to ensure that accumulated sediment should be cleaned out so the channels and berm maintain necessary design volume.
2. For final inspection of constructed BMPs.
3. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E & S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESGCP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Compressor Station 515

b. Summary Table for Supporting Calculation and Measurement Data

(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Bear Creek

Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.34	2.44	+2.10
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.50	0.81	+0.31
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.18	-0.32
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	5.46	1.76	-3.70
2) 10-Year/24-Hour	10.19	8.30	-1.89
3) 50-year/24-Hour	16.85	9.55	-7.30
4) 100-year/24-Hour	20.81	9.58	-11.23

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>31,799cf(2-yr):</u> <u>96,268cf(100-yr)</u>	_____ _____ _____ _____ <u>3.83</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

- Following final grading and seeding of the collection channels and infiltration berm in order to confirm they have been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessments will need to be made to ensure that accumulated sediment should be cleaned out so the channels and berm maintain necessary design volume.
- For final inspection of constructed BMPs.
- At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E & S controls.

SECTION I. ANTIDEGRADATION ANALYSIS

This section must be completed where earth disturbance activities will be conducted in the watershed of a surface water with an existing or designated use of exceptional value or high quality pursuant to Chapter 93 (relating to water quality standards), projects where any part is located in an exceptional value wetland in accordance with 25 Pa. Code § 105.17, and projects where any part is located in the watershed of an impaired surface water where the cause of impairment is identified as siltation.

Part 1 - NONDISCHARGE ALTERNATIVES EVALUATION

The applicant must consider and describe any and all non-discharge alternatives for the entire project area which are environmentally sound and will:

- Minimize accelerated erosion and sedimentation during the earth disturbance activity
- Achieve no net change from pre-development to post-development volume, rate and concentration of pollutants in water quality

E & S Plan	PCSM/SR Plan
<p>Check off the environmentally sound nondischarge Best Management Practices (BMPs) listed below to be used prior to, during, and after earth disturbance activities that have been incorporated into your E & S Plan based on the site analysis. For non-discharge BMPs not checked, provide an explanation of why they were not utilized. Also for BMPs checked, provide an explanation of why they were utilized. (Provide the analysis and attach additional sheets if necessary)</p> <p>See Section 2 of this ESCGP-3 Application</p>	<p>Check off the environmentally sound nondischarge Best Management Practices (BMPs) listed below to be used after construction that have been incorporated into the PCSM/SR Plan based on your site analysis. For non-discharge BMPs not checked, provide an explanation of why they were not utilized. Also for BMPs checked, provide an explanation of why they were utilized. (Provide the analysis and attach additional sheets if necessary)</p> <p>See Section 3 of this ESCGP-3 Application</p>
<p>Nondischarge BMPs</p> <div style="margin-left: 20px;"> <input type="checkbox"/> Alternative Siting <div style="margin-left: 20px;"> <input type="checkbox"/> Alternative location <input type="checkbox"/> Alternative configuration <input type="checkbox"/> Alternative location of discharge </div> <input checked="" type="checkbox"/> Limited Disturbed Area <input type="checkbox"/> Limiting Extent & Duration of Disturbance (Phasing, Sequencing) <input type="checkbox"/> Riparian Buffers (150 ft. min.) <input type="checkbox"/> Riparian Forest Buffer (150 ft. min.) <input type="checkbox"/> Other _____ </div>	<p>Nondischarge BMPs</p> <div style="margin-left: 20px;"> <input type="checkbox"/> Alternative Siting <div style="margin-left: 20px;"> <input type="checkbox"/> Alternative location <input type="checkbox"/> Alternative configuration <input type="checkbox"/> Alternative location of discharge </div> <input type="checkbox"/> Low Impact Development (LID / BSD) <input type="checkbox"/> Riparian Buffers (150 ft. min.) <input type="checkbox"/> Riparian Forest Buffer (150 ft. min.) <input checked="" type="checkbox"/> Infiltration <input type="checkbox"/> Water Reuse <input type="checkbox"/> Other _____ </div>
<p>Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality during construction?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, antidegradation analysis is complete. If no, proceed to Part 2.</p>	<p>Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality after construction?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, antidegradation analysis is complete. If no, proceed to Part 2.</p>

PART 2 - ANTIDEGRADATION BEST AVAILABLE COMBINATION OF TECHNOLOGIES (ABACT)

If the net change in stormwater discharge from or after construction is not fully managed by nondischarge BMPs, the applicant must utilize ABACT BMPs to manage the difference. The Applicant must specify whether the discharge will occur during construction, post-construction or both, and identify the technologies that will be used to ensure that the discharge will be a non-degrading discharge. ABACT BMPs include but are not limited to:

E & S Plan	PCSM/SR Plan
<p><input checked="" type="checkbox"/> Treatment BMPs:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Sediment basin with skimmer <input type="checkbox"/> Sediment basin ratio of 4:1 or greater (flow length to basin width) <input type="checkbox"/> Sediment basin with 4-7 day detention <input type="checkbox"/> Flocculants <input checked="" type="checkbox"/> Compost Filter Socks <input checked="" type="checkbox"/> Compost Filter Sock Sediment Basin <input checked="" type="checkbox"/> RCE w/ Wash Rack <p><input checked="" type="checkbox"/> Land disposal:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Vegetated filters <input type="checkbox"/> Riparian buffers <150ft. <input type="checkbox"/> Riparian Forest Buffer <150ft. <input checked="" type="checkbox"/> Immediate stabilization <p><input checked="" type="checkbox"/> Pollution prevention:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> PPC Plans <input checked="" type="checkbox"/> Street sweeping <input checked="" type="checkbox"/> Channels, collectors and diversions lined with permanent vegetation, rock, geotextile or other non-erosive materials <p><input type="checkbox"/> Stormwater reuse technologies:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Sediment basin water for dust control <input type="checkbox"/> Sediment basin water for irrigation <p><input type="checkbox"/> Other _____</p>	<p><input checked="" type="checkbox"/> Treatment BMPs:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Infiltration Practices <input type="checkbox"/> Wet ponds <input type="checkbox"/> Created wetland treatment systems <input checked="" type="checkbox"/> Vegetated swales <input type="checkbox"/> Manufactured devices <input checked="" type="checkbox"/> Bio-retention/infiltration <input type="checkbox"/> Green Roofs <p><input type="checkbox"/> Land disposal:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Vegetated filters <input type="checkbox"/> Riparian Buffers <150ft. <input type="checkbox"/> Riparian Forest Buffer <150ft. <input type="checkbox"/> Disconnection of roof drainage <input type="checkbox"/> Bio-retention/bio-infiltration <p><input checked="" type="checkbox"/> Pollution prevention:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Street sweeping <input type="checkbox"/> Nutrient, pesticide, herbicide or other chemical application plan alternatives <input checked="" type="checkbox"/> PPC Plans <input checked="" type="checkbox"/> Non-structural Practices <input checked="" type="checkbox"/> Restoration BMPs <p><input type="checkbox"/> Stormwater reuse technologies:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Divert rainwater into impoundment <input type="checkbox"/> Underground storage <p><input type="checkbox"/> Spray/Drip Irrigation</p> <p><input type="checkbox"/> Other _____</p>
<p>Are the ABACT BMPs selected sufficient to minimize E&S discharges to the extent that existing or designated surface water uses are protected?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.</p>	<p>Are the ABACT BMPs selected sufficient to achieve no net change and assure that existing or designated surface water uses are protected?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.</p>

SECTION J. COMPLIANCE HISTORY REVIEW

Is/was the applicant(s) in violation of any Department regulation, order, schedule of compliance or permit or in violation of any department regulated activities within the past five years?

☒ Yes ☐ No

If yes, provide the permit number or facility name, a brief description of the violation, the compliance schedule (including dates and steps to achieve compliance) and the current compliance status. (Attach additional information on a separate sheet, when necessary)

Permit Program or Activity: Chapter 102, Chapter 105, PAG-10

Permit Number (if applicable):

1. ESG03000150001, ESG00350150001, ESG00081150001
2. E41-649
3. E-19-311, E36-947, E-38-195, E40-769, E49-336, E54-360, E58-315, E66-160, E41-667, E18-495,
4. PAG109632

Brief Description of non-compliance:

Consent Assessment of Civil Penalty, Reports past due.

Steps taken to achieve compliance

1. Consent Assessment of Civil Penalty
2. Consent Assessment of Civil Penalty. Permits being obtained to complete channel restoration
3. Consent Assessment of Civil Penalty
4. All past due reports were provided to PADEP

Date(s) compliance achieved

1. 9/20/2020
2. 8/9/2020
3. 9/20/2020
4. 12/14/2017



Current Compliance Status: ☒ In-Compliance

☐ In Non-Compliance

If in non-compliance, attach schedule for achieving compliance.

SECTION K. CERTIFICATION BY PERSON PREPARING E&S AND PCSM/SR PLANS

I do hereby certify to the best of my knowledge, information, and belief, that the Erosion and Sediment Control and PCSM/Site Restoration Plans are true and correct, represent actual field conditions, and are in accordance with the 25 Pa. Code Chapters 78/78a and 102 of the Department's rules and regulations. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Print Name Kevin C. Clark	Signature 	Professional Seal 	
Company BAI Group, LLC			
Address 2525 Green Tech Drive, Suite D, State College, PA-16803			
Phone (814) 238-2060			
Most Recent DEP Training Attended	Location		Date
e-Mail Address kclark@baigroupllc.com			

EXPEDITED REVIEW PROCESS

In addition to the certification required above, applicants using the expedited permit review process must attach an E&S and PCSM/Site Restoration Plans developed and sealed by a licensed professional engineer, surveyor or professional geologist. The plans shall contain the following certification:

I do hereby certify to the best of my knowledge, information, and belief, that the E & S Control and PCSM/SR BMPs are true and correct, represent actual field conditions and are in accordance with the 25 Pa. Code Chapters 78 / 78a and 102 of the Department's rules and regulations. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SECTION L. APPLICANT CERTIFICATION

Applicant Certification

I certify under penalty of law, as provided by 18 Pa. C.S.A. § 4904, that this application and all related attachments were prepared by me or under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my own knowledge and on inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. The responsible official's signature also verifies that the activity is eligible to participate in the ESCGP, and that the applicant agrees to abide by the terms and conditions of the permit. BMP's, E&S Plan, PPC Plan, PCSM Plan, and other controls are being or will be, implemented to ensure that water quality standards and effluent limits are attained.

I grant permission to the agencies responsible for the permitting of this work, or their duly authorized representative to enter the project site for inspection purposes. I will abide by the conditions of the permit if issued and will not begin work prior to permit issuance.

(For individuals no indication of title is necessary, choose the box below. All others proceed to the next paragraph)

☐ **Individual; proceed to signature portion.**

I hereby certify under penalty of law, as provided by 18 Pa. C.S.A. § 4904, that I am the person who is responsible for decision-making regarding environmental compliance functions for Transcontinental Gas Pipeline Company, LLC, the manager of one or more manufacturing, production, or operating facilities of the applicant and am authorized to make management decisions which govern the operation of regulated facility including having explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure the applicant's long term environmental compliance with environmental laws and regulations; and I am responsible for ensuring that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements.

(choose one of the following; not applicable for individuals):

☐ The responsible corporate officer ☐ president ☐ vice president ☐ secretary
☐ treasure of _____ Corporation/Company
Entity name

☒ The ☐ member or ☒ manager of Transcontinental Gas Pipe Line Company, LLC
Entity name

☐ The general partner of _____ partnership/LP/LLP
Entity name

☐ The principal executive officer or ranking elected official of _____ Municipality/State/Federal/other public
agency
Entity name

☐ Power of Attorney/delegation of contractual authority (documentation supporting delegation of contracting
authority must be provided) for _____
Entity name

Print Name and Title of Applicant

Print Name and Title of Co-Applicant (if applicable)

Signature of Applicant

Signature of Co-Applicant

Date Application Signed

Date Application Signed

Notarization

Sworn to and subscribed to before me this

Commonwealth of Pennsylvania

_____ day of _____, 20_____

County of _____

Notary Public

My Commission expires _____

AFFIX SEAL

SECTION M. ADDITIONAL CONTACT INFORMATION				
Contact's Last Name	First Name	MI	Phone (814) 689-1650	
Nelson	Ryan	J	FAX	
Mailing Address	City	State	ZIP + 4	
2525 Green Tech Drive, Suite B	State College	PA	16803	
e-Mail Address ryann@whmgroup.com				

Section 1-1.1 NOI Supporting Information

Project Component	Site	Site Location City	ZIP Code	County	Municipality	Total Project Area/Project Site (Acre)	Total Disturbed Area (Acre)	Latitude / Longitude	U.S.G.S. 7.5 min. Topographic Quadrangle	Receiving Waters	Chapter 93, Designated Use Stream Classification	Chapter 93, Existing Use Stream Classification	Siltation Impaired
Regional Energy Lateral					Buck, Bear Creek, Plains, Jenkins, Kingston, Dallas, Wyoming, West Wyoming, Laflin	952.63	420.67 (includes CS 515 and sites below)	41.173337, -75.671706 (eastern terminus) 41.346917, -75.946263 (western terminus)	Kingston, Pittston, Avoca, Wilkes-Barre East, Pleasant View Summit	Stony Run, Shades Creek, Little Shades Creek, Snider Run, Meadow Run, Bear Creek, Little Bear Creek, Mill Creek, Gardner Creek, Susquehanna River, Abrahams Creek, Toby Creek, Trout Brook	MF, HQ-CWF, WWF, CWF	-	No
	Pipeline			Luzerne									
	CY-LU-001	Wyoming	18644	Luzerne	Wyoming		16.3 (Included within above total)	41.31016, -75.84636		Abrahams Creek	CWF, MF	-	No
	CY-LU-002	Wilkes-Barre	18702	Luzerne	Laflin		11.4 (Included within above total)	41.28491, -75.79026		Gardner Creek	CWF, MF	-	No
	MLV-515RA20	Wilkes-Barre	18702	Luzerne	Bear Creek Township		0.46 (Included within above total)	41.25279, -75.75856		Mill Creek	CWF, MF	-	No
	MLV-515RA30	Wyoming	18644	Luzerne	Wyoming Borough		0.44 (Included within above total)	41.30411, -75.84662		Susquehanna River	WWF		No
	Carverton Tie-in	Wyoming	18644	Luzerne	West Wyoming Borough		3.9 (Included within above total)	41.32053, -75.87270		Abrahams Creek	CWF, MF		No
	Lower Demunds REL Tie-in	Dallas	18612	Luzerne	Dallas Township		1.7 (Included within above total)	41.34652, -75.94551		Trout Brook	CWF, MF		No
	Hildebrandt Tie-in/MLV-515RA40	Dallas	18612	Luzerne	Dallas Township		3.1 (Included within above total)	41.34692, -75.94629		Toby Creek, Trout Brook	CWF, MF		No
	Laflin Borough Stream Stabilization	Wilkes-Barre	18702	Luzerne	Laflin Borough		0.94 (Included within above total)	41.28925, -75.80209		Gardner Creek	CWF, MF	-	No
Effort Loop	Pipeline			Monroe	Ross, Chestnuthill, Tunkhannock	360.63	262.18	40.896796, -75.370606 (Southeast Terminus) 41.053413, -75.526178 (Northwest Terminus)	Blakeslee, Pocono Pines, Brodheads ville, Saylorsburg	Lake Creek, Princess Run, Weir Creek, McMichael Creek, Pohopoco Creek, Sugar Hollow Creek, Poplar Creek, Mud Run, Mud Pond Run, Tunkhannock Creek	EV, MF, HQ-CWF, CWF	EV, MF	No

Regional Energy Access Expansion Project
ESCGP-3 Permit Application
Transcontinental Gas Pipe Line Company, LLC
Section 1-1.1 NOI Supporting Information

Project Component	Site	Site Location City	ZIP Code	County	Municipality	Total Project Area/Project Site (Acre)	Total Disturbed Area (Acre)	Latitude / Longitude	U.S.G.S. 7.5 min. Topographic Quadrangle	Receiving Waters	Chapter 93, Designated Use Stream Classification	Chapter 93, Existing Use Stream Classification	Siltation Impaired
	MLV-505LD86 Sugar Hollow Valve Yard	Effort	18330	Monroe	Chestnut Hill Township		8.8 (Included within above total)	40.96775, -75.42980		Sugar Hollow Creek	CWF, MF	-	No
	CY-MO-001	Saylorsburg	18353	Monroe	Ross Township		50.1 (Included within above total)	40.89803, -75.36784		Lake Creek, Princess Run	HQ-CWF, MF, CWF	-	No
Delaware River Regulator		Easton	18040	Northampton	Lower Mt. Bethel	11.28	3.25	40.76220 -75.19653	Bangor, PA	Mud Run	CWF, MF	-	No
Mainline “A” Regulator		Washington Crossing	18977	Bucks	Lower Makefield	0.94	0.530	40.26807, -74.85712	Pennington, NJ-PA	Dyers Creek, Delaware River	MF, WWF	-	No
Compressor Station 200		Frazer	19335	Chester	East Whiteland	20.28	3.16	40.04998, -75.58589	Malvern, PA	Valley Creek	EV, MF, CWF	-	Yes
Compressor Station 515		White Haven	18661	Luzerne	Buck	952.63 (Included with Regional Energy Lateral)	24.83 (included with Regional Energy Lateral)	41.17380, -75.67118	Pleasant View Summit, PA	Shades Creek, Stony Run	HQ-CWF, MF	-	No



COUNTY NOTIFICATION OF PLANNED LAND DEVELOPMENT FOR CHAPTER 102 PERMITS

PROJECT INFORMATION (COMPLETED BY APPLICANT)

Applicant Name: **Transcontinental Gas Pipe Line Company, a subsidiary of Williams Partners, L.P.**

Contact Name: **Joseph Dean**
Manager-Permitting

Applicant Address: **2800 Post Oak Blvd, Level 11**

Contact Phone: **(713) 215-3427**

Applicant City, State, ZIP: **Houston, TX 77056**

County: **Luzerne**

Description of Proposed Land Development and Stormwater Controls:

The Regional Energy Lateral component of the Regional Energy Access Expansion Project will consist of approximately 22.3 miles of 30-inch diameter pipeline, partially co-located with existing Transco Leidy Line-A, in Buck, Bear Creek, Plains, Jenkins, Kingston and Dallas Townships, and Laflin, Wyoming, and West Wyoming Boroughs, Luzerne County, Pennsylvania. The Regional Energy Lateral begins at existing Compressor Station 515 in Buck Township and continues westward to its terminus at Transco's existing Hildebrandt Tie-in in Dallas Township. Transco will be installing four mainline valves with appurtenant equipment, as a means to isolate gas flows along the Regional Energy Lateral. The mainline valve sites at each pipeline terminus (MLV515RA10 at Compressor Station 515 and MLV515RA40 at the Hildebrandt Tie-in) will also have pig traps (industry term for manifolds that launch or receive in-line inspection tools). The other two valve sites are proposed along the pipeline route (MLV515RA20 at Milepost 7.5 and MLV515RA30 at Milepost 14.8). Modifications at three existing pipeline interconnects are proposed to tie-in the proposed pipeline to the existing facilities. The Carverton Tie-In is located at Milepost 16.8. The Lower Demunds Tie-In is located at Milepost 22.3 and also includes a +/- 400-ft segment of 20-in pipeline to connect to the existing facility. The Hildebrandt Tie-In is located at the Regional Energy Lateral pipeline terminus and includes MLV515RA40. Two contractor yards are proposed for the Project and are located adjacent to the pipeline. CY-LU-001 is located at Milepost 15.3 and CY-LU-002 is located at Milepost 10.5. Cathodic protection equipment will be installed along the pipeline route. Deep anode ground beds are proposed at Mileposts 7.5 and 19.8, and one remote anode ground bed is proposed at Milepost 15.3.

The existing Compressor Station 515 component of the Project is located at the eastern terminus of the Regional Energy Lateral in Buck Township, Luzerne County. Proposed at this facility is the addition of two gas-fired turbine driven compressor units with 63,742 nominal HP at ISO conditions and modification of three existing compressors to support the Project and to accommodate the abandonment and replacement of approximately 17,000 HP from five existing gas-fired reciprocating engine driven compressors and increase the certificated station compression by 46,742 HP. One Mainline Valve will be installed at this facility (MLV515RA10).

*On March 31, 2021 Transco submitted to you its E&S and PCSM Plans (Plans) as part of the ESCGP-3 permit application notification. The purpose of this notice is to let you know that Transco will be submitting an Erosion and Sediment Control Permit for Discharges of Stormwater Associated with Construction Activities Application to the PA Dept. of Environmental Protection to replace the ESCGP-3 application. Please refer to the previously submitted Plans.

Municipality: **Buck, Bear Creek, Plains, Jenkins, Kingston, Dallas, Wyoming, West Wyoming Laflin**

Project Area: **952.63** acres ☐ Phased

Disturbance: **420.67** acres

Tax Parcel ID(s) Affected by Proposed Land Development:

Surface Waters Receiving Stormwater Discharges:

Stony Run, Shades Creek, Little Shades Creek, Snider Run, Meadow Run, Bear Creek, Little Bear Creek, Mill Creek, Gardner Creek, Susquehanna River, Abrahams Creek, Toby Creek, Trout Brook

See attached table

Discharge to: ☐ MS4 ☐ Other SS ☐ CSS

The following information was submitted to the county for this project:

☐ Land Development / Subdivision Plan ☒ E&S Plan ☒ PCSM Plan ☐ Other:

COUNTY PLAN INFORMATION (COMPLETED BY COUNTY)

Name of county organization completing this assessment:

- | | | |
|--|------------------------------|--|
| 1. Is there an adopted county or multi-county comprehensive plan? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 2. If Yes to #1, is the proposed project consistent with the county plan? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 3. Is there a DEP-approved Act 167 stormwater management plan? | <input type="checkbox"/> Yes | <input type="checkbox"/> No <input type="checkbox"/> CCD |
| 4. If Yes to #3, is the proposed project consistent with the Act 167 plan, without waiver? | <input type="checkbox"/> Yes | <input type="checkbox"/> No <input type="checkbox"/> CCD |
| 5. If Yes to #3, list the date of the latest plan / update approved by DEP: | <input type="checkbox"/> CCD | |

APPLICANT CERTIFICATION

I certify under penalty of law (see 18 Pa.C.S. § 4904 (relating to unsworn falsification)) that the information reported herein was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the information, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

COUNTY ACKNOWLEDGEMENT

The county acknowledges that a permit application for the above-referenced project has been submitted to a reviewing agency and that notification requirements of Act 14 of 1984 and Acts 67, 68, and 127 of 2000 have been satisfied. The information reported herein by the county is true and accurate. County acknowledgment of receipt of notification shall not be construed as project approval.

Joseph Dean

Applicant Name



Applicant Signature

Manager - Permitting

Applicant Title

07/01/2021

Date of Signature

County Representative Name

County Representative Signature

County Representative Title

Date of Signature

Tax Account Number/APN	Legal Desc County	Municipality
04H12 00A025000	Luzerne	Bear Creek
04H12 00A026000	Luzerne	Bear Creek
04H12 00A041000	Luzerne	Bear Creek
04H12 00A053000	Luzerne	Bear Creek
04H12 00A05F000	Luzerne	Bear Creek
04H12 00A05Y000	Luzerne	Bear Creek
04H12 00A05Y000	Luzerne	Bear Creek
04H12 00A25B000	Luzerne	Bear Creek
04-H12- 00A-53A-000	Luzerne	Bear Creek
04H12 00A55A000	Luzerne	Bear Creek
04I12 00A002000	Luzerne	Bear Creek
04I13 00A001000	Luzerne	Bear Creek
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04J13 00A008000	Luzerne	Bear Creek
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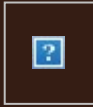
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From: [UPS](#)
To: SFOX@WHMGROUP.COM
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Date: Wednesday, July 7, 2021 1:06:25 PM



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WHM CONSULTING, INC

Tracking Number:	1Z8797VV0391190859
Ship To:	LUZERNE COUNTY PLANNING COMMISSION 20 NORTH PENNSYLVANIA OFFICE WILKES BARRE, PA 18711 US
Number of Packages:	1
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March 31, 2021

UPS TRACKING (1Z8797VV0391946506)

Luzerne County Planning Commission
20 North Pennsylvania Avenue
Wilkes-Barre, PA 18711

Re: Regional Energy Access Expansion Project – Regional Energy Lateral and Compressor Station 515
Pennsylvania Acts 14, 67, 68, and 127 Notification
Buck, Bear Creek, Plains, Jenkins, Kingston, Dallas, Wyoming, West Wyoming, Laflin Townships,
Luzerne County, Pennsylvania

Dear Luzerne County Commissioners:

This municipal notice, under the requirements of Act 14, 97 P.S. § 510-5, is to inform you that Transcontinental Gas Pipe Line Company, LLC (Transco), a subsidiary of The Williams Companies, Inc. (Williams) is applying for coverage under the Erosion and Sediment Control General Permit (ESCGP-3) for Earth Disturbance Associated with Oil & Gas Exploration, Production, Processing or Treatment Operations or Transmission Facilities from the Pennsylvania Department of Environmental Protection (DEP).

1) Project Name: Regional Energy Access Expansion Project – Regional Energy Lateral and Compressor Station 515

2) Project Description: Transco, indirectly owned by The Williams Companies, Inc. (Williams), is seeking authorization from the Federal Energy Regulatory Commission (FERC or Commission) under Section 7(c) of the Natural Gas Act and Part 157 of the Commission's regulations, to construct, own, operate, and maintain the proposed Project facilities. The Project is an expansion of Transco's existing natural gas transmission system that will enable Transco to provide an incremental 829,400 dekatherms per day (Dth/d) of year-round firm transportation capacity from the Marcellus Shale production area in northeastern Pennsylvania (PA) to multiple delivery points along Transco's Leidy Line in PA, Transco's mainline at the Station 210 Zone 6 Pooling Point in Mercer County, New Jersey (NJ) and multiple delivery points in Transco's Zone 6 in NJ, PA, and Maryland (MD).

The Regional Energy Lateral component of the Project will consist of approximately 22.3 miles of 30-inch diameter pipeline, partially co-located with existing Transco Leidy Line-A, in Buck, Bear Creek, Plains, Jenkins, Kingston and Dallas Townships, and Laflin, Wyoming, and West Wyoming Boroughs, Luzerne County, Pennsylvania. The Regional Energy Lateral begins at existing Compressor Station 515 in Buck Township and continues westward to its terminus at Transco's existing Hildebrandt Tie-in in Dallas Township. Transco will be installing four mainline valves with appurtenant equipment, as a means to isolate gas flows along the Regional Energy Lateral. The mainline valve sites at each pipeline terminus (MLV515RA10 at Compressor Station 515 and MLV515RA40 at the Hildebrandt Tie-in) will also have pig traps (industry term for manifolds that launch or receive in-line inspection tools). The other two valve sites are proposed along the pipeline route (MLV515RA20 at Milepost 7.5 and MLV515RA30 at Milepost 14.8). Modifications at three existing pipeline interconnects are proposed to tie-in the proposed pipeline to the existing facilities. The Carverton Tie-In is located at Milepost 16.8. The Lower Demunds Tie-In is located at Milepost 22.3 and also includes a +/- 400-ft segment of 20-in pipeline to connect to the existing facility. The Hildebrandt Tie-In is located at the Regional Energy Lateral pipeline terminus and includes MLV515RA40. Two contractor yards are proposed for the Project and are located adjacent to the pipeline. CY-LU-001 is located at Milepost 15.3 and CY-LU-002 is located at Milepost 10.5. Cathodic protection

equipment will be installed along the pipeline route. Deep anode ground beds are proposed at Mileposts 7.5 and 19.8, and one remote anode ground bed is proposed at Milepost 15.3.

The existing Compressor Station 515 component of the Project is located at the eastern terminus of the Regional Energy Lateral in Buck Township, Luzerne County. Proposed at this facility is the addition of two gas-fired turbine driven compressor units with 63,742 nominal HP at ISO conditions and modification of three existing compressors to support the Project and to accommodate the abandonment and replacement of approximately 17,000 HP from five existing gas-fired reciprocating engine driven compressors and increase the certificated station compression by 46,742 HP. One Mainline Valve will be installed at this facility (MLV515RA10).

3) Applicant Name: Transcontinental Gas Pipe Line Company, LLC's (Transco), a subsidiary of Williams Partners L.P. (Williams)

4) Applicant Contact: Joseph Dean
Manager, Permitting
2800 Post Oak Blvd, Level 11
Houston, TX 77056
(713) 215-3427

5) Site Location: The proposed Project is located on the Kingston, Pittston, Wilks-Barre East, Pleasant View Summit, Pennsylvania, 7.5 Minute USGS quadrangle. The Project is partially co-located with an existing pipeline right-of-way. The eastern terminus of the Regional Energy Lateral is located at: 41°10'24.037" 75°40'18.141"W, and is also the location of Compressor Station 515. The western pipeline terminus: 41°20'48.869"N, 75°56'46.642"W.

6) Municipality / County: Buck, Bear Creek, Plains, Jenkins, Kingston, and Dallas Townships, Wyoming, West Wyoming, and Laflin Boroughs, Luzerne County

Act 14, which amended the Commonwealth's Administrative Code (71 P.S. § 510-5), requires every applicant for a new, amended, or revised permit to give written notice to each municipality (borough, township) and county government in which the facility is located. The municipality and county government must receive the written notice at least thirty (30) - days before DEP may issue or deny approval of coverage.

Enclosed is a complete copy of the Notice of Intent (NOI) completed for the project as well as copies of the erosion and sediment control plan and post construction stormwater management plans.

Sincerely,

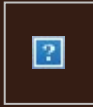


Ryan J. Nelson, PWS
WHM Consulting, LLC

Enclosures:

NOI Form
Erosion and Sediment Control Plan Drawings
Post Construction Stormwater Management Plan Drawings

From: [UPS](#)
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Date: Thursday, April 1, 2021 12:15:07 PM



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WHM CONSULTING, INC

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF WATER PROGRAMS
OFFICE OF OIL AND GAS MANAGEMENT

OFFICIAL USE ONLY

ID # T
 Date Received _____
 AUTH _____
 SITE _____
 CLNT _____
 APS _____
 Fee _____
 Check No. _____
 Check Date _____

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT
CONTROL GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH
OIL AND GAS EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT
OPERATIONS OR TRANSMISSION FACILITIES**

READ THE INSTRUCTIONS PROVIDED IN THIS PERMIT APPLICATION PACKAGE BEFORE COMPLETING THIS FORM. PLEASE PRINT OR TYPE INFORMATION IN BLACK OR BLUE INK.

SECTION A. APPLICATION TYPE

Check one:

NEW ☒ **RENEWAL** ☐ **MAJOR MODIFICATIONS (Provide ESCGP number)** ☐

PHASED ☐ (check only if applicable; *note: Most projects are not submitted as phased projects*)

Check one: **EXPEDITED** ☐ **STANDARD** ☒

If an Expedited Review Process being requested, be advised that the Expedited Review is not available for all projects. Refer to Section D - Expedited Review Process of the ESCGP-3 NOI Instructions to determine if the project is eligible.

SECTION B. CLIENT INFORMATION

Applicant's Last Name (If applicable)	First Name	MI	Telephone No.
Organization Name or Registered Fictitious Name Transcontinental Gas Pipe Line Company, LLC (Contact: Joseph Dean)			Telephone No. (713) 215-3427
DEP Client ID No.			
Headquarters Mailing Address 2800 Post Oak Blvd, Level 11	City Houston	State TX	ZIP Code 77056
Email Address Joseph.Dean@williams.com			
Co-Applicant's Last Name (If applicable)	First Name	MI	Telephone No.
Organization Name or Registered Fictitious Name 			Telephone No.

Address	City	State	ZIP Code
Email Address			

SECTION C. SITE INFORMATION					
Is there an existing ESCGP associated with this site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, Permit No. _____					
Has a well permit application been submitted for this site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, Permit No. _____					
Does this site have a 911 address? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, <u>provide site location address.</u>					
Site Name Regional Energy Access Expansion Project					
Site Location See Attachment 1-1.1- NOI Supporting Information			Site No. (if another permit has been issued for the site)		
Site Location – City See Attachment 1-1.1- NOI Supporting Information				State PA	ZIP Code
Detailed Written Directions to Site See Attachment 1-1.1- NOI Supporting Information for locations of all project sites					
Primary Location	County Luzerne, Northampton, Bucks, Chester, and Monroe	Municipality Buck, Bear Creek, Plains, Jenkins, Kingston, Lower Mt. Bethel, Ross, Chestnut Hill, Tunkhannock, Lower Makefield, East Whiteland and Dallas Townships Wyoming, West Wyoming, and Laflin Boroughs	City <input type="checkbox"/>	Boro <input checked="" type="checkbox"/>	Twp. <input checked="" type="checkbox"/>
SECTION D. EXPEDITED REVIEW					
I. Expedited Review Eligibility					
1. Is any part of the project in the watershed of a surface water with an existing or designated use of exceptional value or high quality pursuant to Chapter 93 (relating to water quality standards), in an exceptional value wetland in accordance with 25 Pa. Code § 105.17, or in the watershed of an impaired surface water where the cause of the impairment is identified as siltation?			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
2. Will the project in which the well pad will be constructed be in or on a floodplain?			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
3. Is any earth disturbance located or proposed to be located on land known to be contaminated by the release of regulated substances as defined in Section 103 of Act 2, 35 P.S. § 6026.103?			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
4. Will naturally occurring geologic formations or soil conditions provide hazards to the project or surrounding environment or have the potential to cause or contribute to pollution when disturbed?			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
5. Do any unresolved non-compliance issues exist with the applicant or the facility?			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
6. Is the project a transmission project?			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

<p>If yes to any of the above questions the project is not eligible for Expedited Review; If the project is eligible for Expedited Review, all the following items must be completed.</p>	
<p>II. Expedited Review Process</p>	
1. Is the technically and administratively complete and accurate NOI package prepared and certified by a licensed professional?	<input type="checkbox"/> Yes <input type="checkbox"/> No
2. Are E&S and PCSM/Site Restoration Plan drawings and narrative prepared and sealed by a licensed professional? <i>(Include interim restoration details when needed)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No
3. Include a Resource Delineation Report and answer the following questions: (If the answer to question a. is "Yes" then skip to #4. If the answer to a. is "No" the applicant must answer "Yes" to at least one of the questions, b. through d. to be eligible for expedited review.)	
a. Were all wetland resources delineated during the growing season?	<input type="checkbox"/> Yes <input type="checkbox"/> No
b. If not during the growing season, was a follow-up visit conducted during the growing season to verify/adjust boundaries and look for potentially missed resources?	<input type="checkbox"/> Yes <input type="checkbox"/> No
c. Was a quality assurance field review conducted at a later date by an independent qualified wetland professional to verify boundaries and look for potentially missed resources? (If yes, attach Quality Assurance Field Review Report)	<input type="checkbox"/> Yes <input type="checkbox"/> No
d. Was a Jurisdictional Determination (JD) or Preliminary JD conducted by the US Army Corps of Engineers on the whole project? (If yes, attach Preliminary or Jurisdictional Determination Report)	<input type="checkbox"/> Yes <input type="checkbox"/> No
4. If applicable, have you included PNDI clearance letters or other documentation from applicable resource agencies?	<input type="checkbox"/> Yes <input type="checkbox"/> No
5. If the project site contains, is along, or within 100 feet of a river, stream, creek, lake, pond or reservoir, will you establish new or preserve existing riparian forest buffer at least 100 feet in width between the top of streambank or normal pool elevation of a lake, pond or reservoir and areas of earth disturbances. If no, will a waiver be obtained? <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
6. Name of Licensed Professional	
Company	
Address	
Phone	

SECTION E. PROJECT INFORMATION																	
1. Total Project Area/Project Site (Ac):	1,346 (Also see Attachment 1-1.1)	Total Disturbed Area (Ac):	689.8 (Also see Attachment 1-1.1)														
Increased disturbed acreage <i>(for permit modification only)</i>																	
Fee: <i>(For additional information regarding fees, refer to NOI Instructions #3 Permit NOI Filing Fees.)</i>			\$ \$500 (Filing Fee), \$69,000 (Disturbed Acre Fee)														
2. Project Name: Regional Energy Access Expansion Project																	
3. Project Type (Check all that apply) <table border="0" style="width: 100%;"> <tr> <td><input type="checkbox"/> Oil/Gas Well ¹</td> <td><input checked="" type="checkbox"/> Transmission Facility</td> </tr> <tr> <td><input type="checkbox"/> Gathering Facility</td> <td><input type="checkbox"/> Processing Facility</td> </tr> <tr> <td><input type="checkbox"/> Treatment Facility</td> <td><input type="checkbox"/> Well Development Impoundment</td> </tr> <tr> <td><input checked="" type="checkbox"/> Compressor Station</td> <td><input type="checkbox"/> Non-FERC regulated Transmission Facility</td> </tr> <tr> <td><input checked="" type="checkbox"/> Pipeline</td> <td><input type="checkbox"/> Ground/Surface Water Withdrawal Site</td> </tr> <tr> <td><input type="checkbox"/> Storage Field Facility</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Other</td> <td></td> </tr> </table>				<input type="checkbox"/> Oil/Gas Well ¹	<input checked="" type="checkbox"/> Transmission Facility	<input type="checkbox"/> Gathering Facility	<input type="checkbox"/> Processing Facility	<input type="checkbox"/> Treatment Facility	<input type="checkbox"/> Well Development Impoundment	<input checked="" type="checkbox"/> Compressor Station	<input type="checkbox"/> Non-FERC regulated Transmission Facility	<input checked="" type="checkbox"/> Pipeline	<input type="checkbox"/> Ground/Surface Water Withdrawal Site	<input type="checkbox"/> Storage Field Facility		<input type="checkbox"/> Other	
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<input checked="" type="checkbox"/> Pipeline	<input type="checkbox"/> Ground/Surface Water Withdrawal Site																
<input type="checkbox"/> Storage Field Facility																	
<input type="checkbox"/> Other																	
¹ If Oil/Gas Well; is the well conventional or unconventional? <input type="checkbox"/> Conventional <input type="checkbox"/> Unconventional																	

Project Description

Transco, indirectly owned by The Williams Companies, Inc. (Williams), is seeking authorization from the Federal Energy Regulatory Commission (FERC or Commission) under Section 7(c) of the Natural Gas Act and Part 157 of the Commission's regulations, to construct, own, operate, and maintain the proposed Project facilities

The Project is an expansion of Transco's existing natural gas transmission system that will enable Transco to provide an incremental 829,400 dekatherms per day (Dth/d) of year-round firm transportation capacity from the Marcellus Shale production area in northeastern Pennsylvania (PA) to multiple delivery points along Transco's Leidy Line in PA, Transco's mainline at the Station 210 Zone 6 Pooling Point in Mercer County, New Jersey (NJ) and multiple delivery points in Transco's Zone 6 in NJ, PA, and Maryland (MD). The Project will consist of the following components:

- Approximately 22.3 miles of 30-inch-diameter pipeline partially collocated with Transco's Leidy Line A from milepost (MP) 0.00 to MP 22.32 in Luzerne County, PA (Regional Energy Lateral);
 - Approximately 13.8 miles of 42-inch-diameter pipeline collocated with Transco's Leidy Line System from MP 43.72 to MP 57.50 in Monroe County, PA (Effort Loop);
 - New gas-fired turbine driven compressor station identified as Compressor Station 201 with 11,107 nominal horsepower (HP) at International Organization of Standardization (ISO) conditions in Gloucester County, NJ;
 - Addition of two gas-fired turbine driven compressor units with 31,800 nominal HP at ISO conditions at existing Compressor Station 505 in Somerset County, NJ, to accommodate the abandonment and replacement of approximately 16,000 HP from eight existing internal combustion engine-driven compressor units and increase the certificated station compression by 15,800 HP;
 - Addition of two gas-fired turbine driven compressor units with 63,742 nominal HP at ISO conditions and modification of three existing compressors at existing Compressor Station 515 in Luzerne County, PA to support the Project and to accommodate the abandonment and replacement of approximately 17,000 HP from five existing gas-fired reciprocating engine driven compressors and increase the certificated station compression by 46,742 HP;
 - Uprate and rewheel two existing electric motor-driven compressor units at existing Compressor Station 195 in York County, PA to increase the certificated station compression by 5,000 HP and accommodate the abandonment of two existing gas-fired reciprocating engine driven compressors which total approximately 8,000 HP of compression;
 - Modifications at existing Compressor Station 200 in Chester County, PA;
 - Uprate one existing electric motor-driven compressor unit at Compressor Station 207 in Middlesex County, NJ to increase the certificated station compression by 4,100 HP;
 - Modifications to three (3) existing pipeline tie-ins in PA (Hildebrandt Tie-in, Lower Demunds REL Tie-in, and Carverton Tie-in);
 - Addition of regulation controls at an existing valve setting on Transco's Mainline "A" in Bucks County, PA (Mainline A Regulator);
 - Modifications at the existing Delaware River Regulator in Northampton County, PA;
 - Modifications at the existing Centerville Regulator in Somerset County, NJ;
 - Modifications to the existing valves and piping at the Princeton Junction (Station 210 Pooling Point) in Mercer County, NJ;
 - Modifications to three (3) existing delivery meter stations in NJ (Camden M&R Station, Lawnside M&R Station, and Mt. Laurel M&R Station);
 - Modifications to one (1) existing delivery meter station in MD (Beaver Dam M&R Station);
 - Contractual changes (no modifications) at ten (10) existing delivery meter stations in PA and NJ (Algonquin-Centerville Meter Station, Post Road Meter Station, New Village Meter Station, Spruce Run Meter Station, Marcus Hook Meter Station, Ivyland Meter Station, Repaupo Meter Station, Morgan Meter Station, Lower Mud Run Meter Station, and Chesterfield Meter Station);
 - Additional ancillary facilities, such as mainline valves (MLVs), cathodic protection, communication facilities, and internal inspection device (e.g., pig) launchers and receivers in PA; and
 - Existing, improved, and new access roads and contractor yards/staging areas in PA, NJ, and MD.
- Provide the date of pre-application meeting (if conducted with the Department) 04/27/20, 07/09/20, 09/04/20, 09/30/20, 12/15/20, 12/16/20, 01/06/21, 02/05/21

4. Provide the latitude and longitude coordinates for the center of the project. The coordinates should be in Decimal degrees and North American Datum 1983. The coordinates must meet the current DEP policy regarding locational accuracy. For linear projects provide the project's termini. See Attachment 1-1.1

Latitude (DD) . Latitude (DD) . Horizontal Collection Method: <input type="checkbox"/> GPS <input checked="" type="checkbox"/> Interpolated from U.S.G.S. Topographic Map <input type="checkbox"/> DEP's eMAP	Longitude (DD) - . Longitude (DD) - .				
5. U.S.G.S. 7.5 min. topographic quadrangle Name (See Attachment 1-1.1) <i>(Include a copy of the project area on the 7.5 min quad map)</i>					
6. Will the project be conducted as a phased permit project? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Include Master Site Plan Estimated Timetable for Phased Projects. <input type="checkbox"/> Additional sheet(s) attached.					
Phase No. or Name	Description	Total Area	Disturbed Area	Start Date	End Date
7. List existing and previous land use for a minimum of the previous 5 years. (See Section 2 of this ESCGP-3 Application)					
8. Other Pollutants: Will the stormwater discharge contain pollutional substances other than sediment? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
9. Will fuels, chemicals, solvents, other hazardous waste or materials be used or stored on site during earth disturbance activities or will Horizontal Directional Drilling (HDD) activities be conducted? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If yes, Preparedness, Prevention and Contingency (PPC) Plan must be maintained on site during earth disturbance. See NOI Instructions, E.9 PPC Plan Guidance for further information.)</i>					
10. Is the project in the watershed of an impaired surface water where the cause of the impairment is identified as siltation? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (See Section 2-5 of this ESCGP-3 Application) <i>(If yes, show how the project will not result in a net change in volume, rate or water quality. See section I below, and E.10 of NOI instructions.)</i>					
11. Are there potentially hazardous naturally occurring geological or soil conditions in any portion of the project or surrounding area? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, do the potentially hazardous geologic or soil conditions have the potential to cause or contribute to pollution as a result of the proposed earth disturbance activities? If no, provide an explanation. If yes, Geologic Hazard Mitigation Plan must be attached and explain where in this application details are provided.					
12. Has the Act 14 Municipal Notification and proof of receipt of notification been attached to the NOI? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If not, the NOI is not complete, see E.12 and #4 Municipal Notification in the NOI Instructions for additional guidance.)</i>					
13. Has the PNDI receipt been attached to the NOI? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If not, the NOI is not complete, see E.13 and #5 PNHP in the NOI Instructions for additional guidance.)</i>					
14. Have the E&S Plan and PCSM/SR Plan been planned and designed to be consistent? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
15. Have existing and/or proposed Riparian Forest Buffers been identified? Yes <input checked="" type="checkbox"/> N/A <input type="checkbox"/> <i>(If yes, they must be shown on the E&S Plan as well as the PCSM/SR Plans.)</i>					
16. Have antidegradation implementation requirements for special protection waters been addressed? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> <i>(If yes, antidegradation requirements must be included in the plan.)</i>					

17. Has the seasonal high groundwater level been identified and 20-inch separation established at all excavation locations for pits for conventional operations and Well Development Impoundments for unconventional operations?

Yes ☐ No ☐ N/A ☒

<p>18. Receiving Waters</p> <p><u>Effort Loop-</u></p> <p><u>Lake Creek (HQ-CWF,MF)</u></p> <p><u>Princess Run (CWF,MF)</u></p> <p><u>Weir Creek (CWF,MF)</u></p> <p><u>McMichael Creek (EV, MF) and (HQ-CWF)</u></p> <p><u>Pohopoco Creek (CWF,MF)</u></p> <p><u>Sugar Hollow Creek (CWF,MF)</u></p> <p><u>Poplar Creek (EV,CWF,MF)</u></p> <p><u>Mud Run (HQ-CWF, MF)</u></p> <p><u>Mud Pond Run (HQ-CWF,EV,MF)</u></p> <p><u>Tunkhannock Creek (HQ-CWF,MF)</u></p> <p><u>Regional Energy Lateral-Stony Run (HQ-CWF,MF)</u></p> <p><u>Shades Creek (HQ-CWF,MF)</u></p> <p><u>Little Shades Creek (HQ-CWF,MF)</u></p> <p><u>Snider Run (HQ-CWF,MF)</u></p> <p><u>Meadow Run (HQ-CWF,MF)</u></p> <p><u>Bear Creek (HQ-CWF,MF)</u></p> <p><u>Little Bear Creek (HQ-CWF,MF)</u></p> <p><u>Mill Creek (CWF,MF)</u></p> <p><u>Gardner Creek (CWF,MF)</u></p> <p><u>Susquehanna River (WWF,MF)</u></p> <p><u>Abrahams Creek (CWF,MF)</u></p> <p><u>Toby Creek (CWF,MF)</u></p> <p><u>Trout Brook (CWF,MF)</u></p> <p><u>Compressor Station 515-Shades Creek (HQ-CWF,MF)</u></p> <p><u>Stony Run (HQ-CWF,MF)</u></p> <p><u>Compressor Station 200-Valley Creek (EV,MF)</u></p> <p><u>Delaware River Regulator-Mud Run (CWF, MF)</u></p> <p><u>Mainline "A" Regulator - Dyers Creek (WWF,MF)</u></p> <p><u>See Attachment 1-1.1 for detailed list.</u></p>	<p>Chapter 93, Designated Use Stream Classification</p> <p><input checked="" type="checkbox"/> HQ <input checked="" type="checkbox"/> EV <input checked="" type="checkbox"/> Other <u>CWF, MF, WWF</u></p> <p><input checked="" type="checkbox"/> Siltation-impaired</p>	<p>Chapter 93, Existing Use Stream Classification</p> <p><input type="checkbox"/> HQ <input checked="" type="checkbox"/> EV <input checked="" type="checkbox"/> Other <u>MF</u></p> <p><input type="checkbox"/> Siltation-impaired</p>
	<p><input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____</p> <p><input type="checkbox"/> Siltation-impaired</p>	<p><input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____</p> <p><input type="checkbox"/> Siltation-impaired</p>

	<input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired <input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired	<input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired <input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired
Secondary Receiving Water	Secondary Chapter 93, Designated Use	Secondary Existing Use
Name of Municipal or Private Separate Storm Sewer Operator, if applicable.		
Non-Surface Receiving Water: (include off-site discharges)		

SECTION F. EROSION AND SEDIMENT CONTROL (E&S) PLAN
See the attached Instructions for additional guidance with E&S Plans

Erosion and Sediment Control Plan BMPs should be designed to minimize accelerated erosion and sedimentation through limiting the extent and duration of earth disturbance, protection of existing drainage and vegetation, limiting soil compaction and controlling the generation of increased runoff. The Department recommends the use of the *Pennsylvania Erosion & Sedimentation Pollution Control Program Manual (E&S Manual)* (363-2134-008) to achieve this goal. The E&S Plan must meet the requirements of Pa. Code § 102.4(b) and submitted with the NOI. Also, see section 2. of the NOI instruction for detailed information on completing the E&S plan and additional requirements.

a. E&S Plan Summary

Provide a summary of proposed E&S BMPs and their performance to manage E&S for the project.

Typical BMPs provided along the pipeline Right-Of-Way includes waterbars, trench plugs, compost filter socks, compost sediment traps, rock filter outlets, erosion control blankets, rock construction entrances, temporary equipment bridges, timber mats, diversion channels, level spreaders, mulch and seed. An appropriate sediment removal device (filter bag, dewatering structure) and well-vegetated area will be utilized for trench dewatering. In HQ, EV watersheds, appropriate Antidegradation Best Available Combination of Technologies (ABACT) BMPs will be utilized. Additional information regarding all the proposed BMPs are provided in the Erosion and Sedimentation Control and Site Restoration Plans of respective project components (Section 2 of this ESCGP-3 Application).

b. E&S Plan BMP Design

Check those that apply:

- ☒ E&S Plan is designed using BMPs in the *E&S Manual*.
- ☐ E&S Plan is designed using an alternative BMP or design standard approved by DEP.

Note: NOI packages submitted with alternate BMPs not approved by the Department will be returned to the Applicant.

c. Do you have any information regarding riparian buffer which differs from Section G, Riparian Buffer?

Yes ☐ No ☒

Explain:

d. Thermal Impacts Analysis

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

Thermal impacts associated with Regional Energy Access Expansion Project will be avoided to the maximum extent possible. Minimum permanent changes in land cover are being proposed for constructing the pipeline facilities. Runoff from impervious areas added during the project will be suitably routed to Stormwater BMPs. Gravel will be used for access roads wherever practicable. To avoid thermal impacts arising from clearing and grading, removal of vegetation will be limited to only that necessary for construction and construction Right-Of-Way will be limited to 75 feet in wetlands and floodways where practical. Once construction activities are complete, disturbed areas will be restored to pre-construction contours and seeded as described in Erosion and Sediment Control and Site Restoration Plans. Temporary workspaces will be restored back with woody and herbaceous species. Thermal impacts assessments corresponding to each project component including pipelines and aboveground facilities are given in Section 2 and 3 of this ESCGP-3 Application.

e. Off-Site Discharge Analysis

Does the activity propose any off-site discharges to areas other than surface waters? ☒ Yes ☐ No

If yes, it is the applicant's responsibility to ensure that they have legal authority for any off-site discharge to neighboring properties.

The applicant must provide a demonstration in both E&S and PCSM/SR plans that the discharge will not cause erosion, damage, or a nuisance to off-site properties.

See Offsite Discharge Analysis Sections in E&S Narratives

SECTION G. RIPARIAN BUFFER

1. Will you be protecting, converting or establishing a voluntary riparian forest buffer as part of this project?
☐ Yes ☒ No
If yes, as part of the PCSM/SR Plan, provide a Buffer Management Plan.
2. Will proposed earth disturbance activities be conducted in an EV or HQ watershed AND within 150 feet of a perennial or intermittent river, stream, or creek, or lake, pond, or reservoir? ☒ Yes ☐ No
If no, proceed to the next section/module.
3. Does this project qualify for an exception (see § 102.14(d)(1))? ☒ Yes ☐ No
If yes, indicate below the type of project for which the exception applies by marking the appropriate box.
☐ Oil and gas activities for which site reclamation or restoration is part of the permit authorization in Chapter 78 and 78a.
☒ Road maintenance activities.
☐ The repair or maintenance of existing pipelines and utilities.
☐ Other (see §102.14(d)(1))
If exceptions are checked, explain how existing riparian buffer will be undisturbed to the extent practicable. Provide a demonstration that the requirements of §102.14(b) are met, or provide the necessary information to request a riparian buffer waiver.
4. Are you requesting a riparian buffer waiver for this project (see § 102.14(d)(2))? ☒ Yes ☐ No
If yes, indicate below the type of project for which you are requesting a waiver by marking the appropriate box.
☒ Linear project that may include pipelines, public roadways, rail lines, or utility lines.
☒ Project is of a temporary nature where the site will be fully restored to its preexisting conditions during the ESCGP permit term.
☒ Project where compliance with mandatory riparian buffers is not appropriate or feasible due to site characteristics or existing structures at the project site.
☐ Other (see §102.14(d)(2)):
If waivers are checked, explain how existing riparian buffers will be undisturbed to the extent practicable.
Note: If "Yes" to #2 **AND** "No" to #3 and #4, provide an attachment to demonstrate how the requirements of §102.14 are met.

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PCSM) AND/OR SITE RESTORATION(SR) PLAN

See NOI Instructions for additional guidance with PCSM Plans

PCSM/SR BMPs should be designed to use natural measures to eliminate pollution, infiltrate runoff, not require extensive construction/maintenance, promote pollutant reduction, and preserve the integrity of stream channels. All PCSM/SR BMPs proposed in the PCSM/SR Plan must be designed in accordance with Ch. 102, Ch. 78a for unconventional operations, Ch. 78 for conventional operations and the *Pennsylvania Stormwater Best Management Practices Manual (Stormwater BMP Manual)* (363-0300-002). If alternate design criteria are utilized for the proposed project, they must have prior approval by the Department, or the NOI Application will be returned to the Applicant.

After construction is completed, how much of the entire disturbed area will be restored to meadow in good condition or better, or existing conditions? ☐ All ☒ Partial ☐ None

Include PCSM narrative and drawings for remaining impervious area. Also include a map showing the proposed contours of the site restoration plan.

If there are additional stages of the project prior to permit termination or expiration, list the stages and provide the documents required by subsection 'a' to section 'g' for each stage (e.g. partial restoration or changes to the amount of compacted areas, gravel, and/or impervious areas). Upload a narrative for each additional stage in addition to the drawings.

EXAMPLE

Stage No	Stage Name	PCSM Plan	SR Plan
Stage 1		<input type="checkbox"/>	<input type="checkbox"/>
Stage 2		<input type="checkbox"/>	<input type="checkbox"/>
Stage 3		<input type="checkbox"/>	<input type="checkbox"/>
Stage 4		<input type="checkbox"/>	<input type="checkbox"/>

Act 167 Consistency. Check those that apply.

Is there an Act 167 Plan? ☒ Yes ☐ No

☒ The attached PCSM/SR Plan is consistent with an applicable approved Act 167 Plan.

Complete the following for all approved Act 167 Stormwater Management Plans. (Use additional sheets if necessary)

Act 167 Plan Name _____ Date Adopted _____ Consistency Letter Included ☐

Luzerne County Stormwater August 18, 2010 Verification Report Included ☒

Management Ordinance

Valley Creek Watershed Stormwater February 04, 2011

Management Plan

Note: A consistency letter is not required if a verification report is provided. See NOI Instructions. The PCSM/SR Plan must satisfy either sub paragraph 1, 2, or 3 below. Check those that apply.

1. ☒ Act 167 Plan approvals on or after January 2005 – The attached PCSM/SR Plan, in its entirety, is consistent with all requirements pertaining to rate, volume, and water quality from an Act 167 Stormwater Management Plan approved by DEP on or after January 2005. Box 1 must be checked if a current, DEP approved Act 167 plan exists.
2. ☒ The PCSM/SR Plan meets the standard design criteria from sections 102.8(g)(2) and (3) and the *Stormwater BMP Manual*. For projects involving oil and gas activities authorized by a permit issued under Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure, post construction stormwater management requirements are met for all areas that are restored to preconstruction conditions or to a condition of meadow in good condition or better. *[Note: PCSM plans must meet both the volume and rate requirements in the regulations, which are provided in the 2 sections mentioned in this paragraph].*
3. ☐ Alternative Design Standard – The attached PCSM/SR Plan was developed using approaches as provided in 102.8(g)(2)(iv) and 102.8(g)(3)(iii). Demonstrate/explain in the space provided below how this standard will be either more protective than what is required in 102.8(g)(2) and 102.8(g)(3) or will maintain and protect existing water quality and existing and designated uses.

PCSM/SR BMP Alternative Standards:

Has the alternative BMP or design standard been approved by the Department?

☐ Yes

☐ No – Do not submit the ESCGP-3 application and see Section (H) of the NOI Instructions concerning the alternative BMP approval process.

Water Quality Compliance:

Does the PCSM/SR plan comply with requirements for volume control? ☒ Yes ☐ No

If yes, is at least 90% of the disturbed area controlled by a PCSM BMP? ☒ Yes ☐ No

If yes, do you have the Standard PCSM Worksheet # 10 attached to show water quality compliance has achieved?

☒ Yes ☐ No

If no, attach Standard PCSM Worksheets # 12 and #13 to show water quality compliance has achieved.

If PCSM/SR plan is not complying with the requirements for volume control, attach Standard PCSM Worksheets # 11, # 12 and #13 to show water quality compliance has achieved.

a. PCSM/SR Plan Summary

Provide a summary of proposed BMPs and their performance to manage PCSM/SR for the project.

Along the pipeline Right-Of-Way, typical E&S BMPs such as waterbars and erosion control blanket will be left in place as part of site restoration. After construction activities are completed, temporary workspaces will be restored to meadow in good condition or better than existing conditions. For the aboveground facilities, PCSM BMPs such as infiltration basins, diversion channels and vegetated swales will be used and left in place as part of site restoration. Additional information regarding all the proposed BMPs are provided in the Post-Construction Stormwater Management Plans of respective project components (Section 3 of this ESCGP-3 Application).

Check all that apply ☒ PCSM BMPs ☒ SR BMPs

b. Do you have any information regarding riparian buffer which differs from what was submitted in the Section G, Riparian Buffer?

☐ Yes ☒ No

Explain:

c. Thermal Impacts Analysis

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

Runoff collected in PCSM BMPs such as infiltration basins will mitigate thermal impacts from post construction stormwater. Runoff collected in infiltration basins are discharged to receiving waters are not expected to be retained for more than 24 hours. Minimum permanent changes in land cover are being proposed for constructing the pipeline facilities. Gravel will be used for access roads wherever practicable. Removal of trees and riparian vegetation and addition of impervious surfaces will be limited to only that necessary for construction. Once construction activities are complete, disturbed areas will be restored to pre-construction contours and seeded as described in Erosion and Sedimental Control and Site Restoration Plans. Temporary workspaces will be restored back with woody and herbaceous species. Thermal impacts assessments corresponding to each project component including pipelines and aboveground facilities are given in Section 2 and 3 of this ESCGP-3 Application.

d. Off-Site Discharge Analysis.

Does the activity propose any off-site discharges to areas other than surface waters? ☒ Yes ☐ No

If yes, it is the applicant's responsibility to ensure that they have legal authority for any off-site discharge to neighboring properties.

The Applicant must provide a demonstration in both the E&S and PCSM/SR Plans that the discharge will not cause erosion, damage, or a nuisance to off-site properties.

See Offsite Discharge Analysis Sections in PCSM Narratives

NOI Section H. POST CONSTRUCTION STORMWATER MANAGEMENT (PCSM) PLANS

Summary Calculations of Post Construction Stormwater BMPs

1. Regional Energy Lateral Pipeline - MLV-515RA20
2. Regional Energy Lateral Pipeline - MLV-515RA30
3. Regional Energy Lateral Pipeline - Carverton Tie-in
4. Regional Energy Lateral Pipeline - Lower Demunds REL Tie-in
5. Regional Energy Lateral Pipeline – Hildebrandt Tie-in/MLV-515RA40
6. Effort Loop Pipeline - MLV-505LD86
7. Compressor Station 200
8. Compressor Station 515

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - MLV-515RA20 - Zenker Valve Yard

e. Summary Table for Supporting Calculation and Measurement Data
(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Mill Creek			
Volume Control design storm frequency 2-year Rainfall amount 2.95 inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.19	+0.19
Volume of stormwater runoff (acre- feet) without planned stormwater BMPs	0.04	0.06	+0.02
Volume of stormwater runoff (acre- feet) with planned stormwater BMPs		0.03	-0.01
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	3.51	3.22	-0.29
2) 10-Year/24-Hour	6.82	6.17	-0.65
3) 50-year/24-Hour	11.88	11.12	-0.76
4) 100-year/24-Hour	14.91	14.91	-0.00

f. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Vegetated Swale	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input checked="" type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ <u>1,396cf(2-yr);</u> <u>6,186cf(100-yr)</u>	_____ _____ <u>0.28</u>
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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g. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Dry Extended Detention Basin area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Channels to ensure they have been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Dry Extended Detention Basin to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Dry Extended Detention Basin the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. At completion of Collection Channel C1 to ensure it has been constructed to the proposed line and grade, the specified lining material has been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
6. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to Collection Channel C1.
7. For final inspection of constructed BMPs.
8. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL GENERAL PERMIT (ESGCP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR TRANSMISSION FACILITIES

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - MLV-515RA30 - Wyoming Valve Yard

b. Summary Table for Supporting Calculation and Measurement Data (See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Susquehanna-Solomon Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>2.57</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.24	+0.24
Volume of stormwater runoff (acre- feet) without planned stormwater BMPs	0.03	0.06	+0.03
Volume of stormwater runoff (acre- feet) with planned stormwater BMPs		0.03	-0.00
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.22	0.02	-0.20
2) 10-Year/24-Hour	0.68	0.03	-0.65
3) 50-year/24-Hour	1.52	0.06	-1.46
4) 100-year/24-Hour	2.06	0.07	-1.99

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Soil Amendment	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>451cf(2-yr);</u> <u>2,511cf(100-yr)</u> _____ _____ _____ _____	_____ <u>0.21</u> _____ _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input checked="" type="checkbox"/> Other <u>Vegetated Swale</u>	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	 <u>1,009cf(2-yr):</u> <u>4,264cf(100-yr)</u>	 <u>0.49</u>
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Vegetated Swale area has been flagged and fence erected to prevent access to the area.
2. At the beginning of construction of the Vegetated Swale to ensure the infiltration area has not been compacted by construction activities.
3. During construction of the Vegetated Swale the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
4. At completion of Collection Channel C1 to ensure it has been constructed to the proposed line and grade, the specified lining material has been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the infiltration berm.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - Carverton Tie-In

<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i></p> <p>The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Abrahams Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>2.61</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.03	0.11	+0.08
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.02	0.03	+0.01
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.00	-0.02
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.46	0.00	-0.46
2) 10-Year/24-Hour	0.91	0.00	-0.91
3) 50-year/24-Hour	1.61	0.00	-1.61
4) 100-year/24-Hour	2.01	0.00	-2.01

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>1,280cf (2-yr);</u> <u>4,445cf(100-yr)</u>	_____ _____ _____ _____ <u>0.26</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. At the beginning of construction to ascertain the Infiltration Berm area has been flagged and fence erected to prevent access to the area.
2. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the infiltration berm.
3. At the beginning of construction of the Infiltration Berm to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the infiltration berm the licensed professional will observe that the berm is constructed in accordance with the plans and specifications.
5. For final inspection of constructed BMPs.
6. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - Lower Demunds REL Tie-In

<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i></p> <p>The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Toby Creek			
Volume Control design storm frequency 2-year Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.12	+0.12
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.02	0.04	+0.02
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.01	-0.01
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.20	0.00	-0.20
2) 10-Year/24-Hour	0.40	0.00	-0.40
3) 50-year/24-Hour	0.71	0.20	-0.51
4) 100-year/24-Hour	0.89	0.51	-0.38

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>1,481cf(2-yr);</u> <u>4,356cf(100-yr)</u> _____ _____ _____	_____ <u>0.17</u> _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Valve Yard Pad area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Berm/Channel to ensure it has been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Valve Yard Pad to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Valve Yard Pad the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the outlet structure.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline – MLV-515RA40-Hildebrandt Tie-In

b. Summary Table for Supporting Calculation and Measurement Data

(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Toby Creek

Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.0	0.22	+0.22
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.03	0.07	+0.04
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.01	-0.02
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.34	0.20	-0.14
2) 10-Year/24-Hour	0.67	0.38	-0.29
3) 50-year/24-Hour	1.20	0.65	-0.55
4) 100-year/24-Hour	1.52	0.80	-0.72

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Vegetated Swale	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>2,265cf(2-yr);</u> <u>5,881cf(100-yr)</u>	_____ <u>0.21</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____

<input type="checkbox"/> Roadside Vegetated Filter Strips		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Stormwater Energy Dissipaters	Infiltration/Recharge			
<input type="checkbox"/> Level Spreaders		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Riprap Aprons		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Upslope Diversions		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Other _____		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____

d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Valve Yard Pad area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Channel to ensure it has been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Valve Yard Pad to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Valve Yard Pad the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the outlet structure.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR TRANSMISSION FACILITIES

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Effort Loop Pipeline-MLV-505LD86 Sugar Hollow Valve Yard

b. Summary Table for Supporting Calculation and Measurement Data

(See *NOI Instructions for additional guidance with this section*)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Pohopoco Creek

Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.26</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.09	0.62	+0.53
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.35	0.44	+0.09
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.28	-0.07
Stormwater discharge rate for the design frequency storm DA-1	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.01	0.01	-0.00
2) 10-Year/24-Hour	0.37	0.31	-0.06
3) 50-year/24-Hour	5.89	4.21	-1.68
4) 100-year/24-Hour	11.47	8.28	-3.19
Stormwater discharge rate for the design frequency storm DA-2	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	4.51	3.97	-0.54
2) 10-Year/24-Hour	12.49	12.28	-0.21
3) 50-year/24-Hour	26.58	24.35	-2.23
4) 100-year/24-Hour	35.41	31.74	-3.67

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input checked="" type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ <u>1,123cf(2-yr);</u> <u>21,318cf(100-yr)</u> _____ <u>5,915cf(2-yr);</u> <u>26,924cf(100-yr)</u>	_____ _____ <u>2.85</u> _____ <u>1.54</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. For the final grading of the access road, ensuring it is constructed according to the plan details for proper conveyance of runoff.
2. Following final grading and seeding of the diversion channels and basin, in order to confirm they have been constructed according to the plan details for proper collection and conveyance of runoff. Periodic assessments will need to be made to ensure accumulated sediment have been cleaned out so the channels and basin maintain the necessary design volumes.
3. During the layout and excavation of the outlet control structure, the professional or delegate will ensure sizing, materials specifications, and construction procedures are followed to enable proper storage in the basin.
4. Following final grading and seeding of the infiltration berm in order to confirm they have been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessment will need to be made to ensure that accumulated sediment have been cleaned out so the area behind the berm maintains the necessary design volume.
5. For final inspection of constructed channels, basin and berms.
6. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Compressor Station 200

b. Summary Table for Supporting Calculation and Measurement Data

(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Valley Creek

Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.30</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.25	0.40	+0.15
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.07	0.11	+0.04
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.07	-0.00
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	1.03	0.15	-0.88
2) 10-Year/24-Hour	2.06	1.39	-0.67
3) 50-year/24-Hour	3.19	2.79	-0.40
4) 100-year/24-Hour	3.97	3.50	-0.47

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>3,790cf(2-yr);</u> <u>11,631cf(100-yr)</u>	_____ _____ _____ _____ <u>0.56</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Following final grading and seeding of the infiltration berm in order to confirm it has been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessments will need to be made to ensure that accumulated sediment should be cleaned out so the channels and berm maintain necessary design volume.
2. For final inspection of constructed BMPs.
3. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E & S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Compressor Station 515

b. Summary Table for Supporting Calculation and Measurement Data

(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Bear Creek

Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.34	2.44	+2.10
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.50	0.81	+0.31
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.18	-0.32
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	5.46	1.76	-3.70
2) 10-Year/24-Hour	10.19	8.30	-1.89
3) 50-year/24-Hour	16.85	9.55	-7.30
4) 100-year/24-Hour	20.81	9.58	-11.23

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>31,799cf(2-yr):</u> <u>96,268cf(100-yr)</u>	_____ _____ _____ _____ <u>3.83</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

- Following final grading and seeding of the collection channels and infiltration berm in order to confirm they have been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessments will need to be made to ensure that accumulated sediment should be cleaned out so the channels and berm maintain necessary design volume.
- For final inspection of constructed BMPs.
- At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E & S controls.

SECTION I. ANTIDEGRADATION ANALYSIS

This section must be completed where earth disturbance activities will be conducted in the watershed of a surface water with an existing or designated use of exceptional value or high quality pursuant to Chapter 93 (relating to water quality standards), projects where any part is located in an exceptional value wetland in accordance with 25 Pa. Code § 105.17, and projects where any part is located in the watershed of an impaired surface water where the cause of impairment is identified as siltation.

Part 1 - NONDISCHARGE ALTERNATIVES EVALUATION

The applicant must consider and describe any and all non-discharge alternatives for the entire project area which are environmentally sound and will:

- Minimize accelerated erosion and sedimentation during the earth disturbance activity
- Achieve no net change from pre-development to post-development volume, rate and concentration of pollutants in water quality

E & S Plan	PCSM/SR Plan
<p>Check off the environmentally sound nondischarge Best Management Practices (BMPs) listed below to be used prior to, during, and after earth disturbance activities that have been incorporated into your E & S Plan based on the site analysis. For non-discharge BMPs not checked, provide an explanation of why they were not utilized. Also for BMPs checked, provide an explanation of why they were utilized. (Provide the analysis and attach additional sheets if necessary)</p> <p>See Section 2 of this ESCGP-3 Application</p>	<p>Check off the environmentally sound nondischarge Best Management Practices (BMPs) listed below to be used after construction that have been incorporated into the PCSM/SR Plan based on your site analysis. For non-discharge BMPs not checked, provide an explanation of why they were not utilized. Also for BMPs checked, provide an explanation of why they were utilized. (Provide the analysis and attach additional sheets if necessary)</p> <p>See Section 3 of this ESCGP-3 Application</p>
<p>Nondischarge BMPs</p> <p><input type="checkbox"/> Alternative Siting</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative location</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative configuration</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative location of discharge</p> <p><input checked="" type="checkbox"/> Limited Disturbed Area</p> <p><input type="checkbox"/> Limiting Extent & Duration of Disturbance (Phasing, Sequencing)</p> <p><input type="checkbox"/> Riparian Buffers (150 ft. min.)</p> <p><input type="checkbox"/> Riparian Forest Buffer (150 ft. min.)</p> <p><input type="checkbox"/> Other _____</p>	<p>Nondischarge BMPs</p> <p><input type="checkbox"/> Alternative Siting</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative location</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative configuration</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative location of discharge</p> <p><input type="checkbox"/> Low Impact Development (LID / BSD)</p> <p><input type="checkbox"/> Riparian Buffers (150 ft. min.)</p> <p><input type="checkbox"/> Riparian Forest Buffer (150 ft. min.)</p> <p><input checked="" type="checkbox"/> Infiltration</p> <p><input type="checkbox"/> Water Reuse</p> <p><input type="checkbox"/> Other _____</p>
<p>Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality during construction?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, antidegradation analysis is complete. If no, proceed to Part 2.</p>	<p>Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality after construction?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, antidegradation analysis is complete. If no, proceed to Part 2.</p>

PART 2 - ANTIDEGRADATION BEST AVAILABLE COMBINATION OF TECHNOLOGIES (ABACT)

If the net change in stormwater discharge from or after construction is not fully managed by nondischarge BMPs, the applicant must utilize ABACT BMPs to manage the difference. The Applicant must specify whether the discharge will occur during construction, post-construction or both, and identify the technologies that will be used to ensure that the discharge will be a non-degrading discharge. ABACT BMPs include but are not limited to:

E & S Plan	PCSM/SR Plan
<p><input checked="" type="checkbox"/> Treatment BMPs:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Sediment basin with skimmer <input type="checkbox"/> Sediment basin ratio of 4:1 or greater (flow length to basin width) <input type="checkbox"/> Sediment basin with 4-7 day detention <input type="checkbox"/> Flocculants <input checked="" type="checkbox"/> Compost Filter Socks <input checked="" type="checkbox"/> Compost Filter Sock Sediment Basin <input checked="" type="checkbox"/> RCE w/ Wash Rack <p><input checked="" type="checkbox"/> Land disposal:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Vegetated filters <input type="checkbox"/> Riparian buffers <150ft. <input type="checkbox"/> Riparian Forest Buffer <150ft. <input checked="" type="checkbox"/> Immediate stabilization <p><input checked="" type="checkbox"/> Pollution prevention:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> PPC Plans <input checked="" type="checkbox"/> Street sweeping <input checked="" type="checkbox"/> Channels, collectors and diversions lined with permanent vegetation, rock, geotextile or other non-erosive materials <p><input type="checkbox"/> Stormwater reuse technologies:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Sediment basin water for dust control <input type="checkbox"/> Sediment basin water for irrigation <p><input type="checkbox"/> Other _____</p>	<p><input checked="" type="checkbox"/> Treatment BMPs:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Infiltration Practices <input type="checkbox"/> Wet ponds <input type="checkbox"/> Created wetland treatment systems <input checked="" type="checkbox"/> Vegetated swales <input type="checkbox"/> Manufactured devices <input checked="" type="checkbox"/> Bio-retention/infiltration <input type="checkbox"/> Green Roofs <p><input type="checkbox"/> Land disposal:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Vegetated filters <input type="checkbox"/> Riparian Buffers <150ft. <input type="checkbox"/> Riparian Forest Buffer <150ft. <input type="checkbox"/> Disconnection of roof drainage <input type="checkbox"/> Bio-retention/bio-infiltration <p><input checked="" type="checkbox"/> Pollution prevention:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Street sweeping <input type="checkbox"/> Nutrient, pesticide, herbicide or other chemical application plan alternatives <input checked="" type="checkbox"/> PPC Plans <input checked="" type="checkbox"/> Non-structural Practices <input checked="" type="checkbox"/> Restoration BMPs <p><input type="checkbox"/> Stormwater reuse technologies:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Divert rainwater into impoundment <input type="checkbox"/> Underground storage <p><input type="checkbox"/> Spray/Drip Irrigation</p> <p><input type="checkbox"/> Other _____</p>
<p>Are the ABACT BMPs selected sufficient to minimize E&S discharges to the extent that existing or designated surface water uses are protected?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.</p>	<p>Are the ABACT BMPs selected sufficient to achieve no net change and assure that existing or designated surface water uses are protected?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.</p>

SECTION J. COMPLIANCE HISTORY REVIEW

Is/was the applicant(s) in violation of any Department regulation, order, schedule of compliance or permit or in violation of any department regulated activities within the past five years?

☒ Yes ☐ No

If yes, provide the permit number or facility name, a brief description of the violation, the compliance schedule (including dates and steps to achieve compliance) and the current compliance status. (Attach additional information on a separate sheet, when necessary)

Permit Program or Activity: Chapter 102, Chapter 105, PAG-10

Permit Number (if applicable):

1. ESG03000150001, ESG00350150001, ESG00081150001
2. E41-649
3. E-19-311, E36-947, E-38-195, E40-769, E49-336, E54-360, E58-315, E66-160, E41-667, E18-495,
4. PAG109632

Brief Description of non-compliance:

Consent Assessment of Civil Penalty, Reports past due.

Steps taken to achieve compliance

1. Consent Assessment of Civil Penalty
2. Consent Assessment of Civil Penalty. Permits being obtained to complete channel restoration
3. Consent Assessment of Civil Penalty
4. All past due reports were provided to PADEP

Date(s) compliance achieved

1. 9/20/2020
2. 8/9/2020
3. 9/20/2020
4. 12/14/2017



Current Compliance Status: ☒ In-Compliance

☐ In Non-Compliance

If in non-compliance, attach schedule for achieving compliance.

SECTION K. CERTIFICATION BY PERSON PREPARING E&S AND PCSM/SR PLANS

I do hereby certify to the best of my knowledge, information, and belief, that the Erosion and Sediment Control and PCSM/Site Restoration Plans are true and correct, represent actual field conditions, and are in accordance with the 25 Pa. Code Chapters 78/78a and 102 of the Department's rules and regulations. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Print Name Kevin C. Clark	Signature 	Professional Seal 	
Company BAI Group, LLC			
Address 2525 Green Tech Drive, Suite D, State College, PA-16803			
Phone (814) 238-2060			
Most Recent DEP Training Attended	Location		Date
e-Mail Address kclark@baigroupllc.com			

EXPEDITED REVIEW PROCESS

In addition to the certification required above, applicants using the expedited permit review process must attach an E&S and PCSM/Site Restoration Plans developed and sealed by a licensed professional engineer, surveyor or professional geologist. The plans shall contain the following certification:

I do hereby certify to the best of my knowledge, information, and belief, that the E & S Control and PCSM/SR BMPs are true and correct, represent actual field conditions and are in accordance with the 25 Pa. Code Chapters 78 / 78a and 102 of the Department's rules and regulations. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SECTION L. APPLICANT CERTIFICATION

Applicant Certification

I certify under penalty of law, as provided by 18 Pa. C.S.A. § 4904, that this application and all related attachments were prepared by me or under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my own knowledge and on inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. The responsible official's signature also verifies that the activity is eligible to participate in the ESCGP, and that the applicant agrees to abide by the terms and conditions of the permit. BMP's, E&S Plan, PPC Plan, PCSM Plan, and other controls are being or will be, implemented to ensure that water quality standards and effluent limits are attained.

I grant permission to the agencies responsible for the permitting of this work, or their duly authorized representative to enter the project site for inspection purposes. I will abide by the conditions of the permit if issued and will not begin work prior to permit issuance.

(For individuals no indication of title is necessary, choose the box below. All others proceed to the next paragraph)

☐ **Individual; proceed to signature portion.**

I hereby certify under penalty of law, as provided by 18 Pa. C.S.A. § 4904, that I am the person who is responsible for decision-making regarding environmental compliance functions for Transcontinental Gas Pipeline Company, LLC, the manager of one or more manufacturing, production, or operating facilities of the applicant and am authorized to make management decisions which govern the operation of regulated facility including having explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure the applicant's long term environmental compliance with environmental laws and regulations; and I am responsible for ensuring that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements.

(choose one of the following; not applicable for individuals):

☐ The responsible corporate officer ☐ president ☐ vice president ☐ secretary
☐ treasure of _____ Corporation/Company
Entity name

☒ The ☐ member or ☒ manager of Transcontinental Gas Pipe Line Company, LLC
Entity name

☐ The general partner of _____ partnership/LP/LLP
Entity name

☐ The principal executive officer or ranking elected official of _____ Municipality/State/Federal/other public
agency
Entity name

☐ Power of Attorney/delegation of contractual authority (documentation supporting delegation of contracting
authority must be provided) for _____
Entity name

Print Name and Title of Applicant

Print Name and Title of Co-Applicant (if applicable)

Signature of Applicant

Signature of Co-Applicant

Date Application Signed

Date Application Signed

Notarization

Sworn to and subscribed to before me this

Commonwealth of Pennsylvania

_____ day of _____, 20_____

County of _____

Notary Public

My Commission expires _____

AFFIX SEAL

SECTION M. ADDITIONAL CONTACT INFORMATION				
Contact's Last Name	First Name	MI	Phone (814) 689-1650	
Nelson	Ryan	J	FAX	
Mailing Address	City	State	ZIP + 4	
2525 Green Tech Drive, Suite B	State College	PA	16803	
e-Mail Address ryann@whmgroup.com				

Section 1-1.1 NOI Supporting Information

Project Component	Site	Site Location City	ZIP Code	County	Municipality	Total Project Area/Project Site (Acre)	Total Disturbed Area (Acre)	Latitude / Longitude	U.S.G.S. 7.5 min. Topographic Quadrangle	Receiving Waters	Chapter 93, Designated Use Stream Classification	Chapter 93, Existing Use Stream Classification	Siltation Impaired
Regional Energy Lateral	Pipeline			Luzerne	Buck, Bear Creek, Plains, Jenkins, Kingston, Dallas, Wyoming, West Wyoming, Laflin	952.63	420.67 (includes CS 515 and sites below)	41.173337, -75.671706 (eastern terminus) 41.346917, -75.946263 (western terminus)	Kingston, Pittston, Avoca, Wilkes-Barre East, Pleasant View Summit	Stony Run, Shades Creek, Little Shades Creek, Snider Run, Meadow Run, Bear Creek, Little Bear Creek, Mill Creek, Gardner Creek, Susquehanna River, Abrahams Creek, Toby Creek, Trout Brook	MF, HQ-CWF, WWF, CWF	-	No
	CY-LU-001	Wyoming	18644	Luzerne	Wyoming		16.3 (Included within above total)	41.31016, -75.84636		Abrahams Creek	CWF, MF	-	No
	CY-LU-002	Wilkes-Barre	18702	Luzerne	Laflin		11.4 (Included within above total)	41.28491, -75.79026		Gardner Creek	CWF, MF	-	No
	MLV-515RA20	Wilkes-Barre	18702	Luzerne	Bear Creek Township		0.46 (Included within above total)	41.25279, -75.75856		Mill Creek	CWF, MF	-	No
	MLV-515RA30	Wyoming	18644	Luzerne	Wyoming Borough		0.44 (Included within above total)	41.30411, -75.84662		Susquehanna River	WWF		No
	Carverton Tie-in	Wyoming	18644	Luzerne	West Wyoming Borough		3.9 (Included within above total)	41.32053, -75.87270		Abrahams Creek	CWF, MF		No
	Lower Demunds REL Tie-in	Dallas	18612	Luzerne	Dallas Township		1.7 (Included within above total)	41.34652, -75.94551		Trout Brook	CWF, MF		No
	Hildebrandt Tie-in/MLV-515RA40	Dallas	18612	Luzerne	Dallas Township		3.1 (Included within above total)	41.34692, -75.94629		Toby Creek, Trout Brook	CWF, MF		No
	Laflin Borough Stream Stabilization	Wilkes-Barre	18702	Luzerne	Laflin Borough		0.94 (Included within above total)	41.28925, -75.80209		Gardner Creek	CWF, MF	-	No
Effort Loop	Pipeline			Monroe	Ross, Chestnuthill, Tunkhannock	360.63	262.18	40.896796, -75.370606 (Southeast Terminus) 41.053413, -75.526178 (Northwest Terminus)	Blakeslee, Pocono Pines, Brodheads ville, Saylorsburg	Lake Creek, Princess Run, Weir Creek, McMichael Creek, Pohopoco Creek, Sugar Hollow Creek, Poplar Creek, Mud Run, Mud Pond Run, Tunkhannock Creek	EV, MF, HQ-CWF, CWF	EV, MF	No

Regional Energy Access Expansion Project
ESCGP-3 Permit Application
Transcontinental Gas Pipe Line Company, LLC
Section 1-1.1 NOI Supporting Information

Project Component	Site	Site Location City	ZIP Code	County	Municipality	Total Project Area/Project Site (Acre)	Total Disturbed Area (Acre)	Latitude / Longitude	U.S.G.S. 7.5 min. Topographic Quadrangle	Receiving Waters	Chapter 93, Designated Use Stream Classification	Chapter 93, Existing Use Stream Classification	Siltation Impaired
	MLV-505LD86 Sugar Hollow Valve Yard	Effort	18330	Monroe	Chestnut Hill Township		8.8 (Included within above total)	40.96775, -75.42980		Sugar Hollow Creek	CWF, MF	-	No
	CY-MO-001	Saylorsburg	18353	Monroe	Ross Township		50.1 (Included within above total)	40.89803, -75.36784		Lake Creek, Princess Run	HQ-CWF, MF, CWF	-	No
Delaware River Regulator		Easton	18040	Northampton	Lower Mt. Bethel	11.28	3.25	40.76220 -75.19653	Bangor, PA	Mud Run	CWF, MF	-	No
Mainline “A” Regulator		Washington Crossing	18977	Bucks	Lower Makefield	0.94	0.530	40.26807, -74.85712	Pennington, NJ-PA	Dyers Creek, Delaware River	MF, WWF	-	No
Compressor Station 200		Frazer	19335	Chester	East Whiteland	20.28	3.16	40.04998, -75.58589	Malvern, PA	Valley Creek	EV, MF, CWF	-	Yes
Compressor Station 515		White Haven	18661	Luzerne	Buck	952.63 (Included with Regional Energy Lateral)	24.83 (included with Regional Energy Lateral)	41.17380, -75.67118	Pleasant View Summit, PA	Shades Creek, Stony Run	HQ-CWF, MF	-	No



MUNICIPAL NOTIFICATION OF PLANNED LAND DEVELOPMENT FOR CHAPTER 102 PERMITS

PROJECT INFORMATION (COMPLETED BY APPLICANT)

Applicant Name:	Transcontinental Gas Pipe Line Company, a subsidiary of Williams Partners, L.P.	Contact Name:	Joseph Dean Manager-Permitting
Applicant Address:	2800 Post Oak Blvd, Level 11	Contact Phone:	(713) 215-3427
Applicant City, State, ZIP:	Houston, TX 77056	County:	Luzerne

Description of Proposed Land Development and Stormwater Controls:

Municipality: **Plains**

The Regional Energy Lateral component of the Regional Energy Access Expansion Project will consist of approximately 22.3 miles of 30-inch diameter pipeline, partially co-located with existing Transco Leidy Line-A, in Buck, Bear Creek, Plains, Jenkins, Kingston and Dallas Townships, and Laffin, Wyoming, and West Wyoming Boroughs, Luzerne County, Pennsylvania. The Regional Energy Lateral begins at existing Compressor Station 515 in Buck Township and continues westward to its terminus at Transco's existing Hildebrandt Tie-in in Dallas Township. Transco will be installing four mainline valves with appurtenant equipment, as a means to isolate gas flows along the Regional Energy Lateral. The mainline valve sites at each pipeline terminus (MLV515RA10 at Compressor Station 515 and MLV515RA40 at the Hildebrandt Tie-in) will also have pig traps (industry term for manifolds that launch or receive in-line inspection tools). The other two valve sites are proposed along the pipeline route (MLV515RA20 at Milepost 7.5 and MLV515RA30 at Milepost 14.8). Modifications at three existing pipeline interconnects are proposed to tie-in the proposed pipeline to the existing facilities. The Carverton Tie-In is located at Milepost 16.8. The Lower Demunds Tie-In is located at Milepost 22.3 and also includes a +/- 400-ft segment of 20-in pipeline to connect to the existing facility. The Hildebrandt Tie-In is located at the Regional Energy Lateral pipeline terminus and includes MLV515RA40. Two contractor yards are proposed for the Project and are located adjacent to the pipeline. CY-LU-001 is located at Milepost 15.3 and CY-LU-002 is located at Milepost 10.5. Cathodic protection equipment will be installed along the pipeline route. Deep anode ground beds are proposed at Mileposts 7.5 and 19.8, and one remote anode ground bed is proposed at Milepost 15.3. E&S BMP's are proposed within Plains Township.

Project Area: **89.20** acres ☐ PhasedDisturbance: **38.81** acres

Tax Parcel ID(s) Affected by Proposed Land Development:

See attached table

Surface Waters Receiving Stormwater Discharges:

Gardner Creek, Mill CreekDischarge to: ☐ MS4 ☐ Other SS ☐ CSS

The following information was submitted to the municipality for this project:

☐ Land Development / Subdivision Plan ☒ E&S Plan ☐ PCSM Plan ☐ Other:

***On March 31, 2021 Transco submitted to you its E&S and PCSM Plans (Plans) as part of the ESCGP-3 permit application notification. The purpose of this notice is to let you know that Transco will be submitting an Erosion and Sediment Control Permit for Discharges of Stormwater Associated with Construction Activities Application to the PA Dept. of Environmental Protection to replace the ESCGP-3 application. Please refer to the previously submitted Plans.**

MUNICIPAL PLAN / ORDINANCE INFORMATION (COMPLETED BY MUNICIPALITY)

1. Is there an adopted municipal or multi-municipal comprehensive plan? ☐ Yes ☐ No
2. Is there an enacted municipal or multi-municipal zoning ordinance? ☐ Yes ☐ No
3. If Yes to #2, is the proposed project consistent with the ordinance? ☐ Yes ☐ No
4. Is there a municipal stormwater management ordinance? ☐ Yes ☐ No
5. If Yes to #4, is the proposed project consistent with the ordinance, without waiver? ☐ Yes ☐ No
6. If Yes to #4, indicate type of ordinance: ☐ Act 167 Model Ordinance ☐ DEP Model Ordinance (MS4s) ☐ Other

APPLICANT CERTIFICATION

I certify under penalty of law (see 18 Pa.C.S. § 4904 (relating to unsworn falsification)) that the information reported herein was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the information, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

MUNICIPAL ACKNOWLEDGEMENT

The municipality acknowledges that a permit application for the above-referenced project has been submitted to a reviewing agency and that notification requirements of Act 14 of 1984 and Acts 67, 68, and 127 of 2000 have been satisfied. The information reported herein by the municipality is true and accurate. The municipality reserves the right to comment to the reviewing agency relative to comprehensive plans, zoning, and stormwater ordinance consistency. Municipal acknowledgment of receipt of notification shall not be construed as project approval.

Joseph Dean

Applicant Name**Applicant Signature**

Manager - Permitting

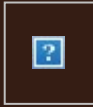
Applicant Title

07/01/2021

Date of Signature**Municipal Representative Name****Municipal Representative Signature****Municipal Representative Title****Date of Signature**

Tax Account Number/APN	Legal Desc County	Municipality
50G10 00A00H000	Luzerne	Plains
50G11 00110B000	Luzerne	Plains
50G11 00110B000	Luzerne	Plains
50G11 00110B000	Luzerne	Plains
50G11 00A006000	Luzerne	Plains
50G11 00A04D000	Luzerne	Plains
50G11 00A09C000	Luzerne	Plains
50-G11- 00A-10B-000	Luzerne	Plains
50-G11-00A-09A-000	Luzerne	Plains
50G11S4 00212E000	Luzerne	Plains
50G12 00A06H000	Luzerne	Plains
50G12 00AVAR000	Luzerne	Plains
50G12 00AVAR000	Luzerne	Plains
50G12H1200A007000	Luzerne	Plains
50-H12- 00A-006-000	Luzerne	Plains
50H12 00A02F000	Luzerne	Plains

From: [UPS](#)
To: SFOX@WHMGROUP.COM
Subject: UPS Delivery Notification, Tracking Number 1Z8797VV0397734715
Date: Wednesday, July 7, 2021 11:30:37 AM



Hello, your package has been delivered.

Delivery Date: Wednesday, 07/07/2021

Delivery Time: 11:29 AM

Left At: RECEIVER

Signed by: RUBASKY

WHM CONSULTING, INC

Tracking Number:	1Z8797VV0397734715
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March 31, 2021

UPS TRACKING (1Z8797VV0394143878)

Plains Township Supervisors
126 North Main Street
Plains, PA 18705

Re: Regional Energy Access Expansion Project– Regional Energy Lateral and Compressor Station 515
Pennsylvania Acts 14, 67, 68, and 127 Notification
Plains Township, Luzerne County, Pennsylvania

Dear Township Supervisors:

This municipal notice, under the requirements of Act 14, 97 P.S. § 510-5, is to inform you that Transcontinental Gas Pipe Line Company, LLC (Transco), a subsidiary of The Williams Companies, Inc. (Williams) is applying for coverage under the Erosion and Sediment Control General Permit (ESCGP-3) for Earth Disturbance Associated with Oil & Gas Exploration, Production, Processing or Treatment Operations or Transmission Facilities from the Pennsylvania Department of Environmental Protection (DEP).

1) Project Name: Regional Energy Access Expansion Project – Regional Energy Lateral and Compressor Station 515

2) Project Description: Transco, indirectly owned by The Williams Companies, Inc. (Williams), is seeking authorization from the Federal Energy Regulatory Commission (FERC or Commission) under Section 7(c) of the Natural Gas Act and Part 157 of the Commission's regulations, to construct, own, operate, and maintain the proposed Project facilities. The Project is an expansion of Transco's existing natural gas transmission system that will enable Transco to provide an incremental 829,400 dekatherms per day (Dth/d) of year-round firm transportation capacity from the Marcellus Shale production area in northeastern Pennsylvania (PA) to multiple delivery points along Transco's Leidy Line in PA, Transco's mainline at the Station 210 Zone 6 Pooling Point in Mercer County, New Jersey (NJ) and multiple delivery points in Transco's Zone 6 in NJ, PA, and Maryland (MD).

The Regional Energy Lateral component of the Project will consist of approximately 22.3 miles of 30-inch diameter pipeline, partially co-located with existing Transco Leidy Line-A, in Buck, Bear Creek, Plains, Jenkins, Kingston and Dallas Townships, and Laflin, Wyoming, and West Wyoming Boroughs, Luzerne County, Pennsylvania. The Regional Energy Lateral begins at existing Compressor Station 515 in Buck Township and continues westward to its terminus at Transco's existing Hildebrandt Tie-in in Dallas Township. Transco will be installing four mainline valves with appurtenant equipment, as a means to isolate gas flows along the Regional Energy Lateral. The mainline valve sites at each pipeline terminus (MLV515RA10 at Compressor Station 515 and MLV515RA40 at the Hildebrandt Tie-in) will also have pig traps (industry term for manifolds that launch or receive in-line inspection tools). The other two valve sites are proposed along the pipeline route (MLV515RA20 at Milepost 7.5 and MLV515RA30 at Milepost 14.8). Modifications at three existing pipeline interconnects are proposed to tie-in the proposed pipeline to the existing facilities. The Carverton Tie-In is located at Milepost 16.8. The Lower Demunds Tie-In is located at Milepost 22.3 and also includes a +/- 400-ft segment of 20-in pipeline to connect to the existing facility. The Hildebrandt Tie-In is located at the Regional Energy Lateral pipeline terminus and includes MLV515RA40. Two contractor yards are proposed for the Project and are located adjacent to the pipeline. CY-LU-001 is located at Milepost 15.3 and CY-LU-002 is located at Milepost 10.5. Cathodic protection equipment will be installed along the pipeline route. Deep anode ground beds are proposed at Mileposts 7.5 and 19.8, and one remote anode ground bed is proposed at Milepost 15.3.

The existing Compressor Station 515 component of the Project is located at the eastern terminus of the Regional Energy Lateral in Buck Township, Luzerne County. Proposed at this facility is the addition of two gas-fired turbine driven compressor units with 63,742 nominal HP at ISO conditions and modification of three existing compressors to support the Project and to accommodate the abandonment and replacement of approximately 17,000 HP from five existing gas-fired reciprocating engine driven compressors and increase the certificated station compression by 46,742 HP. One Mainline Valve will be installed at this facility (MLV515RA10).

3) Applicant Name: Transcontinental Gas Pipe Line Company, LLC's (Transco), a subsidiary of Williams Partners L.P. (Williams)

4) Applicant Contact: Joseph Dean
Manager, Permitting
2800 Post Oak Blvd, Level 11
Houston, TX 77056
(713) 215-3427

5) Site Location: The proposed Project is located on the Kingston, Pittston, Wilks-Barre East, Pleasant View Summit, Pennsylvania, 7.5 Minute USGS quadrangle. The Project is partially co-located with an existing pipeline right-of-way. The eastern terminus of the Regional Energy Lateral is located at: 41°10'24.037" 75°40'18.141"W, and is also the location of Compressor Station 515. The western pipeline terminus: 41°20'48.869"N, 75°56'46.642"W.

6) Municipality / County: Buck, Bear Creek, Plains, Jenkins, Kingston, and Dallas Townships, Wyoming, West Wyoming, and Laflin Boroughs, Luzerne County

Act 14, which amended the Commonwealth's Administrative Code (71 P.S. § 510-5), requires every applicant for a new, amended, or revised permit to give written notice to each municipality (borough, township) and county government in which the facility is located. The municipality and county government must receive the written notice at least thirty (30) - days before DEP may issue or deny approval of coverage.

Enclosed is a complete copy of the Notice of Intent (NOI) completed for the project as well as copies of the erosion and sediment control plans.

Sincerely,

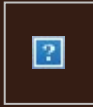


Ryan J. Nelson, PWS
WHM Consulting, LLC

Enclosures:

NOI Form
Erosion and Sediment Control Plan Drawings

From: [UPS](#)
To: SFOX@WHMGROUP.COM
Subject: UPS Delivery Notification, Tracking Number 1Z8797VV0394143878
Date: Thursday, April 1, 2021 4:26:53 PM



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WHM CONSULTING, INC

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF WATER PROGRAMS
OFFICE OF OIL AND GAS MANAGEMENT

OFFICIAL USE ONLY

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 Fee _____
 Check No. _____
 Check Date _____

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT
CONTROL GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH
OIL AND GAS EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT
OPERATIONS OR TRANSMISSION FACILITIES**

READ THE INSTRUCTIONS PROVIDED IN THIS PERMIT APPLICATION PACKAGE BEFORE COMPLETING THIS FORM. PLEASE PRINT OR TYPE INFORMATION IN BLACK OR BLUE INK.

SECTION A. APPLICATION TYPE

Check one:

NEW ☒ **RENEWAL** ☐ **MAJOR MODIFICATIONS (Provide ESCGP number)** ☐

PHASED ☐ (check only if applicable; *note: Most projects are not submitted as phased projects*)

Check one: **EXPEDITED** ☐ **STANDARD** ☒

If an Expedited Review Process being requested, be advised that the Expedited Review is not available for all projects. Refer to Section D - Expedited Review Process of the ESCGP-3 NOI Instructions to determine if the project is eligible.

SECTION B. CLIENT INFORMATION

Applicant's Last Name (If applicable)	First Name	MI	Telephone No.
Organization Name or Registered Fictitious Name Transcontinental Gas Pipe Line Company, LLC (Contact: Joseph Dean)			Telephone No. (713) 215-3427
DEP Client ID No.			
Headquarters Mailing Address 2800 Post Oak Blvd, Level 11	City Houston	State TX	ZIP Code 77056
Email Address Joseph.Dean@williams.com			
Co-Applicant's Last Name (If applicable)	First Name	MI	Telephone No.
Organization Name or Registered Fictitious Name 			Telephone No.

Address	City	State	ZIP Code
Email Address			

SECTION C. SITE INFORMATION					
Is there an existing ESCGP associated with this site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, Permit No. _____					
Has a well permit application been submitted for this site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, Permit No. _____					
Does this site have a 911 address? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, <u>provide site location address.</u>					
Site Name Regional Energy Access Expansion Project					
Site Location See Attachment 1-1.1- NOI Supporting Information			Site No. (if another permit has been issued for the site)		
Site Location – City See Attachment 1-1.1- NOI Supporting Information				State PA	ZIP Code
Detailed Written Directions to Site See Attachment 1-1.1- NOI Supporting Information for locations of all project sites					
Primary Location	County Luzerne, Northampton, Bucks, Chester, and Monroe	Municipality Buck, Bear Creek, Plains, Jenkins, Kingston, Lower Mt. Bethel, Ross, Chestnut Hill, Tunkhannock, Lower Makefield, East Whiteland and Dallas Townships Wyoming, West Wyoming, and Laflin Boroughs	City <input type="checkbox"/>	Boro <input checked="" type="checkbox"/>	Twp. <input checked="" type="checkbox"/>
SECTION D. EXPEDITED REVIEW					
I. Expedited Review Eligibility					
1. Is any part of the project in the watershed of a surface water with an existing or designated use of exceptional value or high quality pursuant to Chapter 93 (relating to water quality standards), in an exceptional value wetland in accordance with 25 Pa. Code § 105.17, or in the watershed of an impaired surface water where the cause of the impairment is identified as siltation?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
2. Will the project in which the well pad will be constructed be in or on a floodplain?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Is any earth disturbance located or proposed to be located on land known to be contaminated by the release of regulated substances as defined in Section 103 of Act 2, 35 P.S. § 6026.103?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4. Will naturally occurring geologic formations or soil conditions provide hazards to the project or surrounding environment or have the potential to cause or contribute to pollution when disturbed?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
5. Do any unresolved non-compliance issues exist with the applicant or the facility?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
6. Is the project a transmission project?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

<p>If yes to any of the above questions the project is not eligible for Expedited Review; If the project is eligible for Expedited Review, all the following items must be completed.</p>	
<p>II. Expedited Review Process</p>	
1. Is the technically and administratively complete and accurate NOI package prepared and certified by a licensed professional?	<input type="checkbox"/> Yes <input type="checkbox"/> No
2. Are E&S and PCSM/Site Restoration Plan drawings and narrative prepared and sealed by a licensed professional? <i>(Include interim restoration details when needed)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No
3. Include a Resource Delineation Report and answer the following questions: (If the answer to question a. is "Yes" then skip to #4. If the answer to a. is "No" the applicant must answer "Yes" to at least one of the questions, b. through d. to be eligible for expedited review.)	
a. Were all wetland resources delineated during the growing season?	<input type="checkbox"/> Yes <input type="checkbox"/> No
b. If not during the growing season, was a follow-up visit conducted during the growing season to verify/adjust boundaries and look for potentially missed resources?	<input type="checkbox"/> Yes <input type="checkbox"/> No
c. Was a quality assurance field review conducted at a later date by an independent qualified wetland professional to verify boundaries and look for potentially missed resources? (If yes, attach Quality Assurance Field Review Report)	<input type="checkbox"/> Yes <input type="checkbox"/> No
d. Was a Jurisdictional Determination (JD) or Preliminary JD conducted by the US Army Corps of Engineers on the whole project? (If yes, attach Preliminary or Jurisdictional Determination Report)	<input type="checkbox"/> Yes <input type="checkbox"/> No
4. If applicable, have you included PNDI clearance letters or other documentation from applicable resource agencies?	<input type="checkbox"/> Yes <input type="checkbox"/> No
5. If the project site contains, is along, or within 100 feet of a river, stream, creek, lake, pond or reservoir, will you establish new or preserve existing riparian forest buffer at least 100 feet in width between the top of streambank or normal pool elevation of a lake, pond or reservoir and areas of earth disturbances. If no, will a waiver be obtained? <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
6. Name of Licensed Professional	
Company	
Address	
Phone	

SECTION E. PROJECT INFORMATION																	
1. Total Project Area/Project Site (Ac):	1,346 (Also see Attachment 1-1.1)	Total Disturbed Area (Ac):	689.8 (Also see Attachment 1-1.1)														
Increased disturbed acreage <i>(for permit modification only)</i>																	
Fee: <i>(For additional information regarding fees, refer to NOI Instructions #3 Permit NOI Filing Fees.)</i>			\$ \$500 (Filing Fee), \$69,000 (Disturbed Acre Fee)														
2. Project Name: Regional Energy Access Expansion Project																	
3. Project Type (Check all that apply) <table border="0" style="width: 100%;"> <tr> <td><input type="checkbox"/> Oil/Gas Well ¹</td> <td><input checked="" type="checkbox"/> Transmission Facility</td> </tr> <tr> <td><input type="checkbox"/> Gathering Facility</td> <td><input type="checkbox"/> Processing Facility</td> </tr> <tr> <td><input type="checkbox"/> Treatment Facility</td> <td><input type="checkbox"/> Well Development Impoundment</td> </tr> <tr> <td><input checked="" type="checkbox"/> Compressor Station</td> <td><input type="checkbox"/> Non-FERC regulated Transmission Facility</td> </tr> <tr> <td><input checked="" type="checkbox"/> Pipeline</td> <td><input type="checkbox"/> Ground/Surface Water Withdrawal Site</td> </tr> <tr> <td><input type="checkbox"/> Storage Field Facility</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Other</td> <td></td> </tr> </table>				<input type="checkbox"/> Oil/Gas Well ¹	<input checked="" type="checkbox"/> Transmission Facility	<input type="checkbox"/> Gathering Facility	<input type="checkbox"/> Processing Facility	<input type="checkbox"/> Treatment Facility	<input type="checkbox"/> Well Development Impoundment	<input checked="" type="checkbox"/> Compressor Station	<input type="checkbox"/> Non-FERC regulated Transmission Facility	<input checked="" type="checkbox"/> Pipeline	<input type="checkbox"/> Ground/Surface Water Withdrawal Site	<input type="checkbox"/> Storage Field Facility		<input type="checkbox"/> Other	
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<input checked="" type="checkbox"/> Compressor Station	<input type="checkbox"/> Non-FERC regulated Transmission Facility																
<input checked="" type="checkbox"/> Pipeline	<input type="checkbox"/> Ground/Surface Water Withdrawal Site																
<input type="checkbox"/> Storage Field Facility																	
<input type="checkbox"/> Other																	
¹ If Oil/Gas Well; is the well conventional or unconventional? <input type="checkbox"/> Conventional <input type="checkbox"/> Unconventional																	

Project Description

Transco, indirectly owned by The Williams Companies, Inc. (Williams), is seeking authorization from the Federal Energy Regulatory Commission (FERC or Commission) under Section 7(c) of the Natural Gas Act and Part 157 of the Commission's regulations, to construct, own, operate, and maintain the proposed Project facilities

The Project is an expansion of Transco's existing natural gas transmission system that will enable Transco to provide an incremental 829,400 dekatherms per day (Dth/d) of year-round firm transportation capacity from the Marcellus Shale production area in northeastern Pennsylvania (PA) to multiple delivery points along Transco's Leidy Line in PA, Transco's mainline at the Station 210 Zone 6 Pooling Point in Mercer County, New Jersey (NJ) and multiple delivery points in Transco's Zone 6 in NJ, PA, and Maryland (MD). The Project will consist of the following components:

- Approximately 22.3 miles of 30-inch-diameter pipeline partially collocated with Transco's Leidy Line A from milepost (MP) 0.00 to MP 22.32 in Luzerne County, PA (Regional Energy Lateral);
 - Approximately 13.8 miles of 42-inch-diameter pipeline collocated with Transco's Leidy Line System from MP 43.72 to MP 57.50 in Monroe County, PA (Effort Loop);
 - New gas-fired turbine driven compressor station identified as Compressor Station 201 with 11,107 nominal horsepower (HP) at International Organization of Standardization (ISO) conditions in Gloucester County, NJ;
 - Addition of two gas-fired turbine driven compressor units with 31,800 nominal HP at ISO conditions at existing Compressor Station 505 in Somerset County, NJ, to accommodate the abandonment and replacement of approximately 16,000 HP from eight existing internal combustion engine-driven compressor units and increase the certificated station compression by 15,800 HP;
 - Addition of two gas-fired turbine driven compressor units with 63,742 nominal HP at ISO conditions and modification of three existing compressors at existing Compressor Station 515 in Luzerne County, PA to support the Project and to accommodate the abandonment and replacement of approximately 17,000 HP from five existing gas-fired reciprocating engine driven compressors and increase the certificated station compression by 46,742 HP;
 - Uprate and rewheel two existing electric motor-driven compressor units at existing Compressor Station 195 in York County, PA to increase the certificated station compression by 5,000 HP and accommodate the abandonment of two existing gas-fired reciprocating engine driven compressors which total approximately 8,000 HP of compression;
 - Modifications at existing Compressor Station 200 in Chester County, PA;
 - Uprate one existing electric motor-driven compressor unit at Compressor Station 207 in Middlesex County, NJ to increase the certificated station compression by 4,100 HP;
 - Modifications to three (3) existing pipeline tie-ins in PA (Hildebrandt Tie-in, Lower Demunds REL Tie-in, and Carverton Tie-in);
 - Addition of regulation controls at an existing valve setting on Transco's Mainline "A" in Bucks County, PA (Mainline A Regulator);
 - Modifications at the existing Delaware River Regulator in Northampton County, PA;
 - Modifications at the existing Centerville Regulator in Somerset County, NJ;
 - Modifications to the existing valves and piping at the Princeton Junction (Station 210 Pooling Point) in Mercer County, NJ;
 - Modifications to three (3) existing delivery meter stations in NJ (Camden M&R Station, Lawnside M&R Station, and Mt. Laurel M&R Station);
 - Modifications to one (1) existing delivery meter station in MD (Beaver Dam M&R Station);
 - Contractual changes (no modifications) at ten (10) existing delivery meter stations in PA and NJ (Algonquin-Centerville Meter Station, Post Road Meter Station, New Village Meter Station, Spruce Run Meter Station, Marcus Hook Meter Station, Ivyland Meter Station, Repaupo Meter Station, Morgan Meter Station, Lower Mud Run Meter Station, and Chesterfield Meter Station);
 - Additional ancillary facilities, such as mainline valves (MLVs), cathodic protection, communication facilities, and internal inspection device (e.g., pig) launchers and receivers in PA; and
 - Existing, improved, and new access roads and contractor yards/staging areas in PA, NJ, and MD.
- Provide the date of pre-application meeting (if conducted with the Department) 04/27/20, 07/09/20, 09/04/20, 09/30/20, 12/15/20, 12/16/20, 01/06/21, 02/05/21

4. Provide the latitude and longitude coordinates for the center of the project. The coordinates should be in Decimal degrees and North American Datum 1983. The coordinates must meet the current DEP policy regarding locational accuracy. For linear projects provide the project's termini. See Attachment 1-1.1

Latitude (DD) . Latitude (DD) . Horizontal Collection Method: <input type="checkbox"/> GPS <input checked="" type="checkbox"/> Interpolated from U.S.G.S. Topographic Map <input type="checkbox"/> DEP's eMAP	Longitude (DD) - . Longitude (DD) - .				
5. U.S.G.S. 7.5 min. topographic quadrangle Name (See Attachment 1-1.1) <i>(Include a copy of the project area on the 7.5 min quad map)</i>					
6. Will the project be conducted as a phased permit project? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Include Master Site Plan Estimated Timetable for Phased Projects. <input type="checkbox"/> Additional sheet(s) attached.					
Phase No. or Name	Description	Total Area	Disturbed Area	Start Date	End Date
7. List existing and previous land use for a minimum of the previous 5 years. (See Section 2 of this ESCGP-3 Application)					
8. Other Pollutants: Will the stormwater discharge contain pollutional substances other than sediment? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
9. Will fuels, chemicals, solvents, other hazardous waste or materials be used or stored on site during earth disturbance activities or will Horizontal Directional Drilling (HDD) activities be conducted? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If yes, Preparedness, Prevention and Contingency (PPC) Plan must be maintained on site during earth disturbance. See NOI Instructions, E.9 PPC Plan Guidance for further information.)</i>					
10. Is the project in the watershed of an impaired surface water where the cause of the impairment is identified as siltation? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (See Section 2-5 of this ESCGP-3 Application) <i>(If yes, show how the project will not result in a net change in volume, rate or water quality. See section I below, and E.10 of NOI instructions.)</i>					
11. Are there potentially hazardous naturally occurring geological or soil conditions in any portion of the project or surrounding area? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, do the potentially hazardous geologic or soil conditions have the potential to cause or contribute to pollution as a result of the proposed earth disturbance activities? If no, provide an explanation. If yes, Geologic Hazard Mitigation Plan must be attached and explain where in this application details are provided.					
12. Has the Act 14 Municipal Notification and proof of receipt of notification been attached to the NOI? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If not, the NOI is not complete, see E.12 and #4 Municipal Notification in the NOI Instructions for additional guidance.)</i>					
13. Has the PNDI receipt been attached to the NOI? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If not, the NOI is not complete, see E.13 and #5 PNHP in the NOI Instructions for additional guidance.)</i>					
14. Have the E&S Plan and PCSM/SR Plan been planned and designed to be consistent? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
15. Have existing and/or proposed Riparian Forest Buffers been identified? Yes <input checked="" type="checkbox"/> N/A <input type="checkbox"/> <i>(If yes, they must be shown on the E&S Plan as well as the PCSM/SR Plans.)</i>					
16. Have antidegradation implementation requirements for special protection waters been addressed? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> <i>(If yes, antidegradation requirements must be included in the plan.)</i>					

17. Has the seasonal high groundwater level been identified and 20-inch separation established at all excavation locations for pits for conventional operations and Well Development Impoundments for unconventional operations?

Yes ☐ No ☐ N/A ☒

<p>18. Receiving Waters</p> <p><u>Effort Loop-</u></p> <p><u>Lake Creek (HQ-CWF,MF)</u></p> <p><u>Princess Run (CWF,MF)</u></p> <p><u>Weir Creek (CWF,MF)</u></p> <p><u>McMichael Creek (EV, MF) and (HQ-CWF)</u></p> <p><u>Pohopoco Creek (CWF,MF)</u></p> <p><u>Sugar Hollow Creek (CWF,MF)</u></p> <p><u>Poplar Creek (EV,CWF,MF)</u></p> <p><u>Mud Run (HQ-CWF, MF)</u></p> <p><u>Mud Pond Run (HQ-CWF,EV,MF)</u></p> <p><u>Tunkhannock Creek (HQ-CWF,MF)</u></p> <p><u>Regional Energy Lateral-Stony Run (HQ-CWF,MF)</u></p> <p><u>Shades Creek (HQ-CWF,MF)</u></p> <p><u>Little Shades Creek (HQ-CWF,MF)</u></p> <p><u>Snider Run (HQ-CWF,MF)</u></p> <p><u>Meadow Run (HQ-CWF,MF)</u></p> <p><u>Bear Creek (HQ-CWF,MF)</u></p> <p><u>Little Bear Creek (HQ-CWF,MF)</u></p> <p><u>Mill Creek (CWF,MF)</u></p> <p><u>Gardner Creek (CWF,MF)</u></p> <p><u>Susquehanna River (WWF,MF)</u></p> <p><u>Abrahams Creek (CWF,MF)</u></p> <p><u>Toby Creek (CWF,MF)</u></p> <p><u>Trout Brook (CWF,MF)</u></p> <p><u>Compressor Station 515-Shades Creek (HQ-CWF,MF)</u></p> <p><u>Stony Run (HQ-CWF,MF)</u></p> <p><u>Compressor Station 200-Valley Creek (EV,MF)</u></p> <p><u>Delaware River Regulator-Mud Run (CWF, MF)</u></p> <p><u>Mainline "A" Regulator - Dyers Creek (WWF,MF)</u></p> <p><u>See Attachment 1-1.1 for detailed list.</u></p>	<p>Chapter 93, Designated Use Stream Classification</p> <p><input checked="" type="checkbox"/> HQ <input checked="" type="checkbox"/> EV <input checked="" type="checkbox"/> Other <u>CWF, MF, WWF</u></p> <p><input checked="" type="checkbox"/> Siltation-impaired</p>	<p>Chapter 93, Existing Use Stream Classification</p> <p><input type="checkbox"/> HQ <input checked="" type="checkbox"/> EV <input checked="" type="checkbox"/> Other <u>MF</u></p> <p><input type="checkbox"/> Siltation-impaired</p>
	<p><input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____</p> <p><input type="checkbox"/> Siltation-impaired</p>	<p><input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____</p> <p><input type="checkbox"/> Siltation-impaired</p>

	<input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired <input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired	<input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired <input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired
Secondary Receiving Water	Secondary Chapter 93, Designated Use	Secondary Existing Use
Name of Municipal or Private Separate Storm Sewer Operator, if applicable.		
Non-Surface Receiving Water: (include off-site discharges)		

SECTION F. EROSION AND SEDIMENT CONTROL (E&S) PLAN
See the attached Instructions for additional guidance with E&S Plans

Erosion and Sediment Control Plan BMPs should be designed to minimize accelerated erosion and sedimentation through limiting the extent and duration of earth disturbance, protection of existing drainage and vegetation, limiting soil compaction and controlling the generation of increased runoff. The Department recommends the use of the *Pennsylvania Erosion & Sedimentation Pollution Control Program Manual (E&S Manual)* (363-2134-008) to achieve this goal. The E&S Plan must meet the requirements of Pa. Code § 102.4(b) and submitted with the NOI. Also, see section 2. of the NOI instruction for detailed information on completing the E&S plan and additional requirements.

a. E&S Plan Summary

Provide a summary of proposed E&S BMPs and their performance to manage E&S for the project.

Typical BMPs provided along the pipeline Right-Of-Way includes waterbars, trench plugs, compost filter socks, compost sediment traps, rock filter outlets, erosion control blankets, rock construction entrances, temporary equipment bridges, timber mats, diversion channels, level spreaders, mulch and seed. An appropriate sediment removal device (filter bag, dewatering structure) and well-vegetated area will be utilized for trench dewatering. In HQ, EV watersheds, appropriate Antidegradation Best Available Combination of Technologies (ABACT) BMPs will be utilized. Additional information regarding all the proposed BMPs are provided in the Erosion and Sedimentation Control and Site Restoration Plans of respective project components (Section 2 of this ESCGP-3 Application).

b. E&S Plan BMP Design

Check those that apply:

- ☒ E&S Plan is designed using BMPs in the *E&S Manual*.
- ☐ E&S Plan is designed using an alternative BMP or design standard approved by DEP.

Note: NOI packages submitted with alternate BMPs not approved by the Department will be returned to the Applicant.

c. Do you have any information regarding riparian buffer which differs from Section G, Riparian Buffer?

Yes ☐ No ☒

Explain:

d. Thermal Impacts Analysis

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

Thermal impacts associated with Regional Energy Access Expansion Project will be avoided to the maximum extent possible. Minimum permanent changes in land cover are being proposed for constructing the pipeline facilities. Runoff from impervious areas added during the project will be suitably routed to Stormwater BMPs. Gravel will be used for access roads wherever practicable. To avoid thermal impacts arising from clearing and grading, removal of vegetation will be limited to only that necessary for construction and construction Right-Of-Way will be limited to 75 feet in wetlands and floodways where practical. Once construction activities are complete, disturbed areas will be restored to pre-construction contours and seeded as described in Erosion and Sediment Control and Site Restoration Plans. Temporary workspaces will be restored back with woody and herbaceous species. Thermal impacts assessments corresponding to each project component including pipelines and aboveground facilities are given in Section 2 and 3 of this ESCGP-3 Application.

e. Off-Site Discharge Analysis

Does the activity propose any off-site discharges to areas other than surface waters? ☒ Yes ☐ No

If yes, it is the applicant's responsibility to ensure that they have legal authority for any off-site discharge to neighboring properties.

The applicant must provide a demonstration in both E&S and PCSM/SR plans that the discharge will not cause erosion, damage, or a nuisance to off-site properties.

See Offsite Discharge Analysis Sections in E&S Narratives

SECTION G. RIPARIAN BUFFER

1. Will you be protecting, converting or establishing a voluntary riparian forest buffer as part of this project?
☐ Yes ☒ No
If yes, as part of the PCSM/SR Plan, provide a Buffer Management Plan.
2. Will proposed earth disturbance activities be conducted in an EV or HQ watershed AND within 150 feet of a perennial or intermittent river, stream, or creek, or lake, pond, or reservoir? ☒ Yes ☐ No
If no, proceed to the next section/module.
3. Does this project qualify for an exception (see § 102.14(d)(1))? ☒ Yes ☐ No
If yes, indicate below the type of project for which the exception applies by marking the appropriate box.
☐ Oil and gas activities for which site reclamation or restoration is part of the permit authorization in Chapter 78 and 78a.
☒ Road maintenance activities.
☐ The repair or maintenance of existing pipelines and utilities.
☐ Other (see §102.14(d)(1))
If exceptions are checked, explain how existing riparian buffer will be undisturbed to the extent practicable. Provide a demonstration that the requirements of §102.14(b) are met, or provide the necessary information to request a riparian buffer waiver.
4. Are you requesting a riparian buffer waiver for this project (see § 102.14(d)(2))? ☒ Yes ☐ No
If yes, indicate below the type of project for which you are requesting a waiver by marking the appropriate box.
☒ Linear project that may include pipelines, public roadways, rail lines, or utility lines.
☒ Project is of a temporary nature where the site will be fully restored to its preexisting conditions during the ESCGP permit term.
☒ Project where compliance with mandatory riparian buffers is not appropriate or feasible due to site characteristics or existing structures at the project site.
☐ Other (see §102.14(d)(2)):
If waivers are checked, explain how existing riparian buffers will be undisturbed to the extent practicable.
Note: If "Yes" to #2 **AND** "No" to #3 and #4, provide an attachment to demonstrate how the requirements of §102.14 are met.

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PCSM) AND/OR SITE RESTORATION(SR) PLAN

See NOI Instructions for additional guidance with PCSM Plans

PCSM/SR BMPs should be designed to use natural measures to eliminate pollution, infiltrate runoff, not require extensive construction/maintenance, promote pollutant reduction, and preserve the integrity of stream channels. All PCSM/SR BMPs proposed in the PCSM/SR Plan must be designed in accordance with Ch. 102, Ch. 78a for unconventional operations, Ch. 78 for conventional operations and the *Pennsylvania Stormwater Best Management Practices Manual (Stormwater BMP Manual)* (363-0300-002). If alternate design criteria are utilized for the proposed project, they must have prior approval by the Department, or the NOI Application will be returned to the Applicant.

After construction is completed, how much of the entire disturbed area will be restored to meadow in good condition or better, or existing conditions? ☐ All ☒ Partial ☐ None

Include PCSM narrative and drawings for remaining impervious area. Also include a map showing the proposed contours of the site restoration plan.

If there are additional stages of the project prior to permit termination or expiration, list the stages and provide the documents required by subsection 'a' to section 'g' for each stage (e.g. partial restoration or changes to the amount of compacted areas, gravel, and/or impervious areas). Upload a narrative for each additional stage in addition to the drawings.

EXAMPLE

Stage No	Stage Name	PCSM Plan	SR Plan
Stage 1		<input type="checkbox"/>	<input type="checkbox"/>
Stage 2		<input type="checkbox"/>	<input type="checkbox"/>
Stage 3		<input type="checkbox"/>	<input type="checkbox"/>
Stage 4		<input type="checkbox"/>	<input type="checkbox"/>

Act 167 Consistency. Check those that apply.

Is there an Act 167 Plan? ☒ Yes ☐ No

☒ The attached PCSM/SR Plan is consistent with an applicable approved Act 167 Plan.

Complete the following for all approved Act 167 Stormwater Management Plans. (Use additional sheets if necessary)

Act 167 Plan Name _____ Date Adopted _____ Consistency Letter Included ☐

Luzerne County Stormwater August 18, 2010 Verification Report Included ☒

Management Ordinance

Valley Creek Watershed Stormwater February 04, 2011

Management Plan

Note: A consistency letter is not required if a verification report is provided. See NOI Instructions. The PCSM/SR Plan must satisfy either sub paragraph 1, 2, or 3 below. Check those that apply.

1. ☒ Act 167 Plan approvals on or after January 2005 – The attached PCSM/SR Plan, in its entirety, is consistent with all requirements pertaining to rate, volume, and water quality from an Act 167 Stormwater Management Plan approved by DEP on or after January 2005. Box 1 must be checked if a current, DEP approved Act 167 plan exists.
2. ☒ The PCSM/SR Plan meets the standard design criteria from sections 102.8(g)(2) and (3) and the *Stormwater BMP Manual*. For projects involving oil and gas activities authorized by a permit issued under Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure, post construction stormwater management requirements are met for all areas that are restored to preconstruction conditions or to a condition of meadow in good condition or better. *[Note: PCSM plans must meet both the volume and rate requirements in the regulations, which are provided in the 2 sections mentioned in this paragraph].*
3. ☐ Alternative Design Standard – The attached PCSM/SR Plan was developed using approaches as provided in 102.8(g)(2)(iv) and 102.8(g)(3)(iii). Demonstrate/explain in the space provided below how this standard will be either more protective than what is required in 102.8(g)(2) and 102.8(g)(3) or will maintain and protect existing water quality and existing and designated uses.

PCSM/SR BMP Alternative Standards:

Has the alternative BMP or design standard been approved by the Department?

☐ Yes

☐ No – Do not submit the ESCGP-3 application and see Section (H) of the NOI Instructions concerning the alternative BMP approval process.

Water Quality Compliance:

Does the PCSM/SR plan comply with requirements for volume control? ☒ Yes ☐ No

If yes, is at least 90% of the disturbed area controlled by a PCSM BMP? ☒ Yes ☐ No

If yes, do you have the Standard PCSM Worksheet # 10 attached to show water quality compliance has achieved?

☒ Yes ☐ No

If no, attach Standard PCSM Worksheets # 12 and #13 to show water quality compliance has achieved.

If PCSM/SR plan is not complying with the requirements for volume control, attach Standard PCSM Worksheets # 11, # 12 and #13 to show water quality compliance has achieved.

a. PCSM/SR Plan Summary

Provide a summary of proposed BMPs and their performance to manage PCSM/SR for the project.

Along the pipeline Right-Of-Way, typical E&S BMPs such as waterbars and erosion control blanket will be left in place as part of site restoration. After construction activities are completed, temporary workspaces will be restored to meadow in good condition or better than existing conditions. For the aboveground facilities, PCSM BMPs such as infiltration basins, diversion channels and vegetated swales will be used and left in place as part of site restoration. Additional information regarding all the proposed BMPs are provided in the Post-Construction Stormwater Management Plans of respective project components (Section 3 of this ESCGP-3 Application).

Check all that apply ☒ PCSM BMPs ☒ SR BMPs

b. Do you have any information regarding riparian buffer which differs from what was submitted in the Section G, Riparian Buffer?

☐ Yes ☒ No

Explain:

c. Thermal Impacts Analysis

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

Runoff collected in PCSM BMPs such as infiltration basins will mitigate thermal impacts from post construction stormwater. Runoff collected in infiltration basins are discharged to receiving waters are not expected to be retained for more than 24 hours. Minimum permanent changes in land cover are being proposed for constructing the pipeline facilities. Gravel will be used for access roads wherever practicable. Removal of trees and riparian vegetation and addition of impervious surfaces will be limited to only that necessary for construction. Once construction activities are complete, disturbed areas will be restored to pre-construction contours and seeded as described in Erosion and Sedimental Control and Site Restoration Plans. Temporary workspaces will be restored back with woody and herbaceous species. Thermal impacts assessments corresponding to each project component including pipelines and aboveground facilities are given in Section 2 and 3 of this ESCGP-3 Application.

d. Off-Site Discharge Analysis.

Does the activity propose any off-site discharges to areas other than surface waters? ☒ Yes ☐ No

If yes, it is the applicant's responsibility to ensure that they have legal authority for any off-site discharge to neighboring properties.

The Applicant must provide a demonstration in both the E&S and PCSM/SR Plans that the discharge will not cause erosion, damage, or a nuisance to off-site properties.

See Offsite Discharge Analysis Sections in PCSM Narratives

NOI Section H. POST CONSTRUCTION STORMWATER MANAGEMENT (PCSM) PLANS

Summary Calculations of Post Construction Stormwater BMPs

1. Regional Energy Lateral Pipeline - MLV-515RA20
2. Regional Energy Lateral Pipeline - MLV-515RA30
3. Regional Energy Lateral Pipeline - Carverton Tie-in
4. Regional Energy Lateral Pipeline - Lower Demunds REL Tie-in
5. Regional Energy Lateral Pipeline – Hildebrandt Tie-in/MLV-515RA40
6. Effort Loop Pipeline - MLV-505LD86
7. Compressor Station 200
8. Compressor Station 515

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - MLV-515RA20 - Zenker Valve Yard

e. Summary Table for Supporting Calculation and Measurement Data
(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Mill Creek			
Volume Control design storm frequency 2-year Rainfall amount 2.95 inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.19	+0.19
Volume of stormwater runoff (acre- feet) without planned stormwater BMPs	0.04	0.06	+0.02
Volume of stormwater runoff (acre- feet) with planned stormwater BMPs		0.03	-0.01
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	3.51	3.22	-0.29
2) 10-Year/24-Hour	6.82	6.17	-0.65
3) 50-year/24-Hour	11.88	11.12	-0.76
4) 100-year/24-Hour	14.91	14.91	-0.00

f. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Vegetated Swale	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input checked="" type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ <u>1,396cf(2-yr);</u> <u>6,186cf(100-yr)</u>	_____ _____ <u>0.28</u>
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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g. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Dry Extended Detention Basin area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Channels to ensure they have been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Dry Extended Detention Basin to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Dry Extended Detention Basin the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. At completion of Collection Channel C1 to ensure it has been constructed to the proposed line and grade, the specified lining material has been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
6. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to Collection Channel C1.
7. For final inspection of constructed BMPs.
8. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL GENERAL PERMIT (ESGCP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR TRANSMISSION FACILITIES

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - MLV-515RA30 - Wyoming Valve Yard

b. Summary Table for Supporting Calculation and Measurement Data (See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Susquehanna-Solomon Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>2.57</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.24	+0.24
Volume of stormwater runoff (acre- feet) without planned stormwater BMPs	0.03	0.06	+0.03
Volume of stormwater runoff (acre- feet) with planned stormwater BMPs		0.03	-0.00
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.22	0.02	-0.20
2) 10-Year/24-Hour	0.68	0.03	-0.65
3) 50-year/24-Hour	1.52	0.06	-1.46
4) 100-year/24-Hour	2.06	0.07	-1.99

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Soil Amendment	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>451cf(2-yr);</u> <u>2,511cf(100-yr)</u> _____ _____ _____ _____	_____ <u>0.21</u> _____ _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input checked="" type="checkbox"/> Other <u>Vegetated Swale</u>	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	 <u>1,009cf(2-yr):</u> <u>4,264cf(100-yr)</u>	 <u>0.49</u>
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Vegetated Swale area has been flagged and fence erected to prevent access to the area.
2. At the beginning of construction of the Vegetated Swale to ensure the infiltration area has not been compacted by construction activities.
3. During construction of the Vegetated Swale the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
4. At completion of Collection Channel C1 to ensure it has been constructed to the proposed line and grade, the specified lining material has been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the infiltration berm.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - Carverton Tie-In

<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i></p> <p>The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Abrahams Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>2.61</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.03	0.11	+0.08
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.02	0.03	+0.01
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.00	-0.02
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.46	0.00	-0.46
2) 10-Year/24-Hour	0.91	0.00	-0.91
3) 50-year/24-Hour	1.61	0.00	-1.61
4) 100-year/24-Hour	2.01	0.00	-2.01

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>1,280cf (2-yr);</u> <u>4,445cf(100-yr)</u>	_____ _____ _____ _____ <u>0.26</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. At the beginning of construction to ascertain the Infiltration Berm area has been flagged and fence erected to prevent access to the area.
2. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the infiltration berm.
3. At the beginning of construction of the Infiltration Berm to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the infiltration berm the licensed professional will observe that the berm is constructed in accordance with the plans and specifications.
5. For final inspection of constructed BMPs.
6. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - Lower Demunds REL Tie-In

<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i></p> <p>The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Toby Creek			
Volume Control design storm frequency 2-year Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.12	+0.12
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.02	0.04	+0.02
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.01	-0.01
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.20	0.00	-0.20
2) 10-Year/24-Hour	0.40	0.00	-0.40
3) 50-year/24-Hour	0.71	0.20	-0.51
4) 100-year/24-Hour	0.89	0.51	-0.38

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>1,481cf(2-yr);</u> <u>4,356cf(100-yr)</u> _____ _____ _____	_____ <u>0.17</u> _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Valve Yard Pad area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Berm/Channel to ensure it has been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Valve Yard Pad to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Valve Yard Pad the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the outlet structure.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline – MLV-515RA40-Hildebrandt Tie-In

b. Summary Table for Supporting Calculation and Measurement Data

(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Toby Creek

Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.0	0.22	+0.22
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.03	0.07	+0.04
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.01	-0.02
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.34	0.20	-0.14
2) 10-Year/24-Hour	0.67	0.38	-0.29
3) 50-year/24-Hour	1.20	0.65	-0.55
4) 100-year/24-Hour	1.52	0.80	-0.72

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Vegetated Swale	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>2,265cf(2-yr);</u> <u>5,881cf(100-yr)</u>	_____ <u>0.21</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____

<input type="checkbox"/> Roadside Vegetated Filter Strips		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Stormwater Energy Dissipaters	Infiltration/Recharge			
<input type="checkbox"/> Level Spreaders		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Riprap Aprons		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Upslope Diversions		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Other _____		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____

d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Valve Yard Pad area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Channel to ensure it has been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Valve Yard Pad to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Valve Yard Pad the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the outlet structure.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Effort Loop Pipeline-MLV-505LD86 Sugar Hollow Valve Yard

b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i> The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.			
Watershed Name: Pohopoco Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.26</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.09	0.62	+0.53
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.35	0.44	+0.09
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.28	-0.07
Stormwater discharge rate for the design frequency storm DA-1	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.01	0.01	-0.00
2) 10-Year/24-Hour	0.37	0.31	-0.06
3) 50-year/24-Hour	5.89	4.21	-1.68
4) 100-year/24-Hour	11.47	8.28	-3.19
Stormwater discharge rate for the design frequency storm DA-2	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	4.51	3.97	-0.54
2) 10-Year/24-Hour	12.49	12.28	-0.21
3) 50-year/24-Hour	26.58	24.35	-2.23
4) 100-year/24-Hour	35.41	31.74	-3.67

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input checked="" type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ <u>1,123cf(2-yr);</u> <u>21,318cf(100-yr)</u> _____ <u>5,915cf(2-yr);</u> <u>26,924cf(100-yr)</u>	_____ _____ <u>2.85</u> _____ <u>1.54</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. For the final grading of the access road, ensuring it is constructed according to the plan details for proper conveyance of runoff.
2. Following final grading and seeding of the diversion channels and basin, in order to confirm they have been constructed according to the plan details for proper collection and conveyance of runoff. Periodic assessments will need to be made to ensure accumulated sediment have been cleaned out so the channels and basin maintain the necessary design volumes.
3. During the layout and excavation of the outlet control structure, the professional or delegate will ensure sizing, materials specifications, and construction procedures are followed to enable proper storage in the basin.
4. Following final grading and seeding of the infiltration berm in order to confirm they have been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessment will need to be made to ensure that accumulated sediment have been cleaned out so the area behind the berm maintains the necessary design volume.
5. For final inspection of constructed channels, basin and berms.
6. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Compressor Station 200

b. Summary Table for Supporting Calculation and Measurement Data

(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Valley Creek

Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.30</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.25	0.40	+0.15
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.07	0.11	+0.04
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.07	-0.00
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	1.03	0.15	-0.88
2) 10-Year/24-Hour	2.06	1.39	-0.67
3) 50-year/24-Hour	3.19	2.79	-0.40
4) 100-year/24-Hour	3.97	3.50	-0.47

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>3,790cf(2-yr);</u> <u>11,631cf(100-yr)</u>	_____ _____ _____ _____ <u>0.56</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

- Following final grading and seeding of the infiltration berm in order to confirm it has been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessments will need to be made to ensure that accumulated sediment should be cleaned out so the channels and berm maintain necessary design volume.
- For final inspection of constructed BMPs.
- At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E & S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESGCP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Compressor Station 515

<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i></p> <p>The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Bear Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.34	2.44	+2.10
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.50	0.81	+0.31
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.18	-0.32
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	5.46	1.76	-3.70
2) 10-Year/24-Hour	10.19	8.30	-1.89
3) 50-year/24-Hour	16.85	9.55	-7.30
4) 100-year/24-Hour	20.81	9.58	-11.23

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>31,799cf(2-yr):</u> <u>96,268cf(100-yr)</u>	_____ _____ _____ _____ <u>3.83</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

- Following final grading and seeding of the collection channels and infiltration berm in order to confirm they have been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessments will need to be made to ensure that accumulated sediment should be cleaned out so the channels and berm maintain necessary design volume.
- For final inspection of constructed BMPs.
- At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E & S controls.

SECTION I. ANTIDEGRADATION ANALYSIS

This section must be completed where earth disturbance activities will be conducted in the watershed of a surface water with an existing or designated use of exceptional value or high quality pursuant to Chapter 93 (relating to water quality standards), projects where any part is located in an exceptional value wetland in accordance with 25 Pa. Code § 105.17, and projects where any part is located in the watershed of an impaired surface water where the cause of impairment is identified as siltation.

Part 1 - NONDISCHARGE ALTERNATIVES EVALUATION

The applicant must consider and describe any and all non-discharge alternatives for the entire project area which are environmentally sound and will:

- Minimize accelerated erosion and sedimentation during the earth disturbance activity
- Achieve no net change from pre-development to post-development volume, rate and concentration of pollutants in water quality

E & S Plan	PCSM/SR Plan
<p>Check off the environmentally sound nondischarge Best Management Practices (BMPs) listed below to be used prior to, during, and after earth disturbance activities that have been incorporated into your E & S Plan based on the site analysis. For non-discharge BMPs not checked, provide an explanation of why they were not utilized. Also for BMPs checked, provide an explanation of why they were utilized. (Provide the analysis and attach additional sheets if necessary)</p> <p>See Section 2 of this ESCGP-3 Application</p>	<p>Check off the environmentally sound nondischarge Best Management Practices (BMPs) listed below to be used after construction that have been incorporated into the PCSM/SR Plan based on your site analysis. For non-discharge BMPs not checked, provide an explanation of why they were not utilized. Also for BMPs checked, provide an explanation of why they were utilized. (Provide the analysis and attach additional sheets if necessary)</p> <p>See Section 3 of this ESCGP-3 Application</p>
<p>Nondischarge BMPs</p> <p><input type="checkbox"/> Alternative Siting</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative location</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative configuration</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative location of discharge</p> <p><input checked="" type="checkbox"/> Limited Disturbed Area</p> <p><input type="checkbox"/> Limiting Extent & Duration of Disturbance (Phasing, Sequencing)</p> <p><input type="checkbox"/> Riparian Buffers (150 ft. min.)</p> <p><input type="checkbox"/> Riparian Forest Buffer (150 ft. min.)</p> <p><input type="checkbox"/> Other _____</p>	<p>Nondischarge BMPs</p> <p><input type="checkbox"/> Alternative Siting</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative location</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative configuration</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative location of discharge</p> <p><input type="checkbox"/> Low Impact Development (LID / BSD)</p> <p><input type="checkbox"/> Riparian Buffers (150 ft. min.)</p> <p><input type="checkbox"/> Riparian Forest Buffer (150 ft. min.)</p> <p><input checked="" type="checkbox"/> Infiltration</p> <p><input type="checkbox"/> Water Reuse</p> <p><input type="checkbox"/> Other _____</p>
<p>Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality during construction?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, antidegradation analysis is complete.</p> <p>If no, proceed to Part 2.</p>	<p>Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality after construction?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, antidegradation analysis is complete.</p> <p>If no, proceed to Part 2.</p>

PART 2 - ANTIDEGRADATION BEST AVAILABLE COMBINATION OF TECHNOLOGIES (ABACT)

If the net change in stormwater discharge from or after construction is not fully managed by nondischarge BMPs, the applicant must utilize ABACT BMPs to manage the difference. The Applicant must specify whether the discharge will occur during construction, post-construction or both, and identify the technologies that will be used to ensure that the discharge will be a non-degrading discharge. ABACT BMPs include but are not limited to:

E & S Plan	PCSM/SR Plan
<p><input checked="" type="checkbox"/> Treatment BMPs:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Sediment basin with skimmer <input type="checkbox"/> Sediment basin ratio of 4:1 or greater (flow length to basin width) <input type="checkbox"/> Sediment basin with 4-7 day detention <input type="checkbox"/> Flocculants <input checked="" type="checkbox"/> Compost Filter Socks <input checked="" type="checkbox"/> Compost Filter Sock Sediment Basin <input checked="" type="checkbox"/> RCE w/ Wash Rack <p><input checked="" type="checkbox"/> Land disposal:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Vegetated filters <input type="checkbox"/> Riparian buffers <150ft. <input type="checkbox"/> Riparian Forest Buffer <150ft. <input checked="" type="checkbox"/> Immediate stabilization <p><input checked="" type="checkbox"/> Pollution prevention:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> PPC Plans <input checked="" type="checkbox"/> Street sweeping <input checked="" type="checkbox"/> Channels, collectors and diversions lined with permanent vegetation, rock, geotextile or other non-erosive materials <p><input type="checkbox"/> Stormwater reuse technologies:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Sediment basin water for dust control <input type="checkbox"/> Sediment basin water for irrigation <p><input type="checkbox"/> Other _____</p>	<p><input checked="" type="checkbox"/> Treatment BMPs:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Infiltration Practices <input type="checkbox"/> Wet ponds <input type="checkbox"/> Created wetland treatment systems <input checked="" type="checkbox"/> Vegetated swales <input type="checkbox"/> Manufactured devices <input checked="" type="checkbox"/> Bio-retention/infiltration <input type="checkbox"/> Green Roofs <p><input type="checkbox"/> Land disposal:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Vegetated filters <input type="checkbox"/> Riparian Buffers <150ft. <input type="checkbox"/> Riparian Forest Buffer <150ft. <input type="checkbox"/> Disconnection of roof drainage <input type="checkbox"/> Bio-retention/bio-infiltration <p><input checked="" type="checkbox"/> Pollution prevention:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Street sweeping <input type="checkbox"/> Nutrient, pesticide, herbicide or other chemical application plan alternatives <input checked="" type="checkbox"/> PPC Plans <input checked="" type="checkbox"/> Non-structural Practices <input checked="" type="checkbox"/> Restoration BMPs <p><input type="checkbox"/> Stormwater reuse technologies:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Divert rainwater into impoundment <input type="checkbox"/> Underground storage <p><input type="checkbox"/> Spray/Drip Irrigation</p> <p><input type="checkbox"/> Other _____</p>
<p>Are the ABACT BMPs selected sufficient to minimize E&S discharges to the extent that existing or designated surface water uses are protected?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.</p>	<p>Are the ABACT BMPs selected sufficient to achieve no net change and assure that existing or designated surface water uses are protected?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.</p>

SECTION J. COMPLIANCE HISTORY REVIEW

Is/was the applicant(s) in violation of any Department regulation, order, schedule of compliance or permit or in violation of any department regulated activities within the past five years?

☒ Yes ☐ No

If yes, provide the permit number or facility name, a brief description of the violation, the compliance schedule (including dates and steps to achieve compliance) and the current compliance status. (Attach additional information on a separate sheet, when necessary)

Permit Program or Activity: Chapter 102, Chapter 105, PAG-10

Permit Number (if applicable):

1. ESG03000150001, ESG00350150001, ESG00081150001
2. E41-649
3. E-19-311, E36-947, E-38-195, E40-769, E49-336, E54-360, E58-315, E66-160, E41-667, E18-495,
4. PAG109632

Brief Description of non-compliance:

Consent Assessment of Civil Penalty, Reports past due.

Steps taken to achieve compliance

1. Consent Assessment of Civil Penalty
2. Consent Assessment of Civil Penalty. Permits being obtained to complete channel restoration
3. Consent Assessment of Civil Penalty
4. All past due reports were provided to PADEP

Date(s) compliance achieved



1. 9/20/2020
2. 8/9/2020
3. 9/20/2020
4. 12/14/2017

Current Compliance Status: ☒ In-Compliance ☐ In Non-Compliance

If in non-compliance, attach schedule for achieving compliance.

SECTION K. CERTIFICATION BY PERSON PREPARING E&S AND PCSM/SR PLANS

I do hereby certify to the best of my knowledge, information, and belief, that the Erosion and Sediment Control and PCSM/Site Restoration Plans are true and correct, represent actual field conditions, and are in accordance with the 25 Pa. Code Chapters 78/78a and 102 of the Department's rules and regulations. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Print Name Kevin C. Clark	Signature 	Professional Seal 	
Company BAI Group, LLC			
Address 2525 Green Tech Drive, Suite D, State College, PA-16803			
Phone (814) 238-2060			
Most Recent DEP Training Attended	Location		Date
e-Mail Address kclark@baigroupllc.com			

EXPEDITED REVIEW PROCESS

In addition to the certification required above, applicants using the expedited permit review process must attach an E&S and PCSM/Site Restoration Plans developed and sealed by a licensed professional engineer, surveyor or professional geologist. The plans shall contain the following certification:

I do hereby certify to the best of my knowledge, information, and belief, that the E & S Control and PCSM/SR BMPs are true and correct, represent actual field conditions and are in accordance with the 25 Pa. Code Chapters 78 / 78a and 102 of the Department's rules and regulations. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SECTION L. APPLICANT CERTIFICATION

Applicant Certification

I certify under penalty of law, as provided by 18 Pa. C.S.A. § 4904, that this application and all related attachments were prepared by me or under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my own knowledge and on inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. The responsible official's signature also verifies that the activity is eligible to participate in the ESCGP, and that the applicant agrees to abide by the terms and conditions of the permit. BMP's, E&S Plan, PPC Plan, PCSM Plan, and other controls are being or will be, implemented to ensure that water quality standards and effluent limits are attained.

I grant permission to the agencies responsible for the permitting of this work, or their duly authorized representative to enter the project site for inspection purposes. I will abide by the conditions of the permit if issued and will not begin work prior to permit issuance.

(For individuals no indication of title is necessary, choose the box below. All others proceed to the next paragraph)

☐ **Individual; proceed to signature portion.**

I hereby certify under penalty of law, as provided by 18 Pa. C.S.A. § 4904, that I am the person who is responsible for decision-making regarding environmental compliance functions for Transcontinental Gas Pipeline Company, LLC, the manager of one or more manufacturing, production, or operating facilities of the applicant and am authorized to make management decisions which govern the operation of regulated facility including having explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure the applicant's long term environmental compliance with environmental laws and regulations; and I am responsible for ensuring that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements.

(choose one of the following; not applicable for individuals):

☐ The responsible corporate officer ☐ president ☐ vice president ☐ secretary
☐ treasure of _____ Corporation/Company
Entity name

☒ The ☐ member or ☒ manager of Transcontinental Gas Pipe Line Company, LLC
Entity name

☐ The general partner of _____ partnership/LP/LLP
Entity name

☐ The principal executive officer or ranking elected official of _____ Municipality/State/Federal/other public
agency
Entity name

☐ Power of Attorney/delegation of contractual authority (documentation supporting delegation of contracting
authority must be provided) for _____
Entity name

Print Name and Title of Applicant

Print Name and Title of Co-Applicant (if applicable)

Signature of Applicant

Signature of Co-Applicant

Date Application Signed

Date Application Signed

Notarization

Sworn to and subscribed to before me this

Commonwealth of Pennsylvania

_____ day of _____, 20_____

County of _____

Notary Public

My Commission expires _____

AFFIX SEAL

SECTION M. ADDITIONAL CONTACT INFORMATION			
Contact's Last Name	First Name	MI	Phone (814) 689-1650
Nelson	Ryan	J	FAX
Mailing Address	City	State	ZIP + 4
2525 Green Tech Drive, Suite B	State College	PA	16803
e-Mail Address ryann@whmgroup.com			

Section 1-1.1 NOI Supporting Information

Project Component	Site	Site Location City	ZIP Code	County	Municipality	Total Project Area/Project Site (Acre)	Total Disturbed Area (Acre)	Latitude / Longitude	U.S.G.S. 7.5 min. Topographic Quadrangle	Receiving Waters	Chapter 93, Designated Use Stream Classification	Chapter 93, Existing Use Stream Classification	Siltation Impaired
Regional Energy Lateral	Pipeline			Luzerne	Buck, Bear Creek, Plains, Jenkins, Kingston, Dallas, Wyoming, West Wyoming, Laflin	952.63	420.67 (includes CS 515 and sites below)	41.173337, -75.671706 (eastern terminus) 41.346917, -75.946263 (western terminus)	Kingston, Pittston, Avoca, Wilkes-Barre East, Pleasant View Summit	Stony Run, Shades Creek, Little Shades Creek, Snider Run, Meadow Run, Bear Creek, Little Bear Creek, Mill Creek, Gardner Creek, Susquehanna River, Abrahams Creek, Toby Creek, Trout Brook	MF, HQ-CWF, WWF, CWF	-	No
	CY-LU-001	Wyoming	18644	Luzerne	Wyoming		16.3 (Included within above total)	41.31016, -75.84636		Abrahams Creek	CWF, MF	-	No
	CY-LU-002	Wilkes-Barre	18702	Luzerne	Laflin		11.4 (Included within above total)	41.28491, -75.79026		Gardner Creek	CWF, MF	-	No
	MLV-515RA20	Wilkes-Barre	18702	Luzerne	Bear Creek Township		0.46 (Included within above total)	41.25279, -75.75856		Mill Creek	CWF, MF	-	No
	MLV-515RA30	Wyoming	18644	Luzerne	Wyoming Borough		0.44 (Included within above total)	41.30411, -75.84662		Susquehanna River	WWF		No
	Carverton Tie-in	Wyoming	18644	Luzerne	West Wyoming Borough		3.9 (Included within above total)	41.32053, -75.87270		Abrahams Creek	CWF, MF		No
	Lower Demunds REL Tie-in	Dallas	18612	Luzerne	Dallas Township		1.7 (Included within above total)	41.34652, -75.94551		Trout Brook	CWF, MF		No
	Hildebrandt Tie-in/MLV-515RA40	Dallas	18612	Luzerne	Dallas Township		3.1 (Included within above total)	41.34692, -75.94629		Toby Creek, Trout Brook	CWF, MF		No
	Laflin Borough Stream Stabilization	Wilkes-Barre	18702	Luzerne	Laflin Borough		0.94 (Included within above total)	41.28925, -75.80209		Gardner Creek	CWF, MF	-	No
Effort Loop	Pipeline			Monroe	Ross, Chestnuthill, Tunkhannock	360.63	262.18	40.896796, -75.370606 (Southeast Terminus) 41.053413, -75.526178 (Northwest Terminus)	Blakeslee, Pocono Pines, Brodheads ville, Saylorsburg	Lake Creek, Princess Run, Weir Creek, McMichael Creek, Pohopoco Creek, Sugar Hollow Creek, Poplar Creek, Mud Run, Mud Pond Run, Tunkhannock Creek	EV, MF, HQ-CWF, CWF	EV, MF	No

Regional Energy Access Expansion Project
ESCGP-3 Permit Application
Transcontinental Gas Pipe Line Company, LLC
Section 1-1.1 NOI Supporting Information

Project Component	Site	Site Location City	ZIP Code	County	Municipality	Total Project Area/Project Site (Acre)	Total Disturbed Area (Acre)	Latitude / Longitude	U.S.G.S. 7.5 min. Topographic Quadrangle	Receiving Waters	Chapter 93, Designated Use Stream Classification	Chapter 93, Existing Use Stream Classification	Siltation Impaired
	MLV-505LD86 Sugar Hollow Valve Yard	Effort	18330	Monroe	Chestnut Hill Township		8.8 (Included within above total)	40.96775, -75.42980		Sugar Hollow Creek	CWF, MF	-	No
	CY-MO-001	Saylorsburg	18353	Monroe	Ross Township		50.1 (Included within above total)	40.89803, -75.36784		Lake Creek, Princess Run	HQ-CWF, MF, CWF	-	No
Delaware River Regulator		Easton	18040	Northampton	Lower Mt. Bethel	11.28	3.25	40.76220 -75.19653	Bangor, PA	Mud Run	CWF, MF	-	No
Mainline “A” Regulator		Washington Crossing	18977	Bucks	Lower Makefield	0.94	0.530	40.26807, -74.85712	Pennington, NJ-PA	Dyers Creek, Delaware River	MF, WWF	-	No
Compressor Station 200		Frazer	19335	Chester	East Whiteland	20.28	3.16	40.04998, -75.58589	Malvern, PA	Valley Creek	EV, MF, CWF	-	Yes
Compressor Station 515		White Haven	18661	Luzerne	Buck	952.63 (Included with Regional Energy Lateral)	24.83 (included with Regional Energy Lateral)	41.17380, -75.67118	Pleasant View Summit, PA	Shades Creek, Stony Run	HQ-CWF, MF	-	No



MUNICIPAL NOTIFICATION OF PLANNED LAND DEVELOPMENT FOR CHAPTER 102 PERMITS

PROJECT INFORMATION (COMPLETED BY APPLICANT)

Applicant Name:	Transcontinental Gas Pipe Line Company, a subsidiary of Williams Partners, L.P.	Contact Name:	Joseph Dean Manager-Permitting
Applicant Address:	2800 Post Oak Blvd, Level 11	Contact Phone:	(713) 215-3427
Applicant City, State, ZIP:	Houston, TX 77056	County:	Luzerne

Description of Proposed Land Development and Stormwater Controls:

Municipality: **West Wyoming**

The Regional Energy Lateral component of the Regional Energy Access Expansion Project will consist of approximately 22.3 miles of 30-inch diameter pipeline, partially co-located with existing Transco Leidy Line-A, in Buck, Bear Creek, Plains, Jenkins, Kingston and Dallas Townships, and Laffin, Wyoming, and West Wyoming Boroughs, Luzerne County, Pennsylvania. The Regional Energy Lateral begins at existing Compressor Station 515 in Buck Township and continues westward to its terminus at Transco's existing Hildebrandt Tie-in in Dallas Township. Transco will be installing four mainline valves with appurtenant equipment, as a means to isolate gas flows along the Regional Energy Lateral. The mainline valve sites at each pipeline terminus (MLV515RA10 at Compressor Station 515 and MLV515RA40 at the Hildebrandt Tie-in) will also have pig traps (industry term for manifolds that launch or receive in-line inspection tools). The other two valve sites are proposed along the pipeline route (MLV515RA20 at Milepost 7.5 and MLV515RA30 at Milepost 14.8). Modifications at three existing pipeline interconnects are proposed to tie-in the proposed pipeline to the existing facilities. The Carverton Tie-In is located at Milepost 16.8. The Lower Demunds Tie-In is located at Milepost 22.3 and also includes a +/- 400-ft segment of 20-in pipeline to connect to the existing facility. The Hildebrandt Tie-In is located at the Regional Energy Lateral pipeline terminus and includes MLV515RA40. Two contractor yards are proposed for the Project and are located adjacent to the pipeline. CY-LU-001 is located at Milepost 15.3 and CY-LU-002 is located at Milepost 10.5. Cathodic protection equipment will be installed along the pipeline route. Deep anode ground beds are proposed at Mileposts 7.5 and 19.8, and one remote anode ground bed is proposed at Milepost 15.3. E&S and PCSM BMP's are proposed within West Wyoming Borough, with PCSM BMP's proposed at the Carverton Tie-In.

Project Area: **84.28** acres ☐ PhasedDisturbance: **35.60** acres

Tax Parcel ID(s) Affected by Proposed Land Development:

See attached table

Surface Waters Receiving Stormwater Discharges:

Abrahams CreekDischarge to: ☐ MS4 ☐ Other SS ☐ CSS

The following information was submitted to the municipality for this project:

☐ Land Development / Subdivision Plan
 ☒ E&S Plan
 ☒ PCSM Plan
 ☐ Other:

***On March 31, 2021 Transco submitted to you its E&S and PCSM Plans (Plans) as part of the ESCGP-3 permit application notification. The purpose of this notice is to let you know that Transco will be submitting an Erosion and Sediment Control Permit for Discharges of Stormwater Associated with Construction Activities Application to the PA Dept. of Environmental Protection to replace the ESCGP-3 application. Please refer to the previously submitted Plans.**

MUNICIPAL PLAN / ORDINANCE INFORMATION (COMPLETED BY MUNICIPALITY)

1. Is there an adopted municipal or multi-municipal comprehensive plan? ☐ Yes ☐ No
2. Is there an enacted municipal or multi-municipal zoning ordinance? ☐ Yes ☐ No
3. If Yes to #2, is the proposed project consistent with the ordinance? ☐ Yes ☐ No
4. Is there a municipal stormwater management ordinance? ☐ Yes ☐ No
5. If Yes to #4, is the proposed project consistent with the ordinance, without waiver? ☐ Yes ☐ No
6. If Yes to #4, indicate type of ordinance: ☐ Act 167 Model Ordinance ☐ DEP Model Ordinance (MS4s) ☐ Other

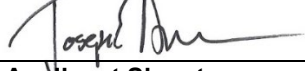
APPLICANT CERTIFICATION

I certify under penalty of law (see 18 Pa.C.S. § 4904 (relating to unsworn falsification)) that the information reported herein was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the information, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

MUNICIPAL ACKNOWLEDGEMENT

The municipality acknowledges that a permit application for the above-referenced project has been submitted to a reviewing agency and that notification requirements of Act 14 of 1984 and Acts 67, 68, and 127 of 2000 have been satisfied. The information reported herein by the municipality is true and accurate. The municipality reserves the right to comment to the reviewing agency relative to comprehensive plans, zoning, and stormwater ordinance consistency. Municipal acknowledgment of receipt of notification shall not be construed as project approval.

Joseph Dean

Applicant Name**Applicant Signature**

Manager - Permitting

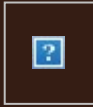
Applicant Title

07/01/2021

Date of Signature**Municipal Representative Name****Municipal Representative Signature****Municipal Representative Title****Date of Signature**

Tax Account Number/APN	Legal Desc County	Municipality
66E10 00A003000	Luzerne	West Wyoming
66E10 00A004000	Luzerne	West Wyoming
66E10 00A00A000	Luzerne	West Wyoming
66E10 00A014000	Luzerne	West Wyoming
66E10 00A017000	Luzerne	West Wyoming
66E10 00A01A000	Luzerne	West Wyoming
66E10 00A01B000	Luzerne	West Wyoming
66E10 00A04C000	Luzerne	West Wyoming
66E10 00A05B000	Luzerne	West Wyoming
66E10 00A0A1000	Luzerne	West Wyoming
66E10S2 001001000	Luzerne	West Wyoming
66E10S2 001004000	Luzerne	West Wyoming
66E10S2 001029000	Luzerne	West Wyoming
66E10S2 00102A000	Luzerne	West Wyoming
66E10S2 00102B000	Luzerne	West Wyoming
66E10S2 001030000	Luzerne	West Wyoming
66E10S2 002001000	Luzerne	West Wyoming
66E10S2 002002000	Luzerne	West Wyoming
66E10S2 002002000	Luzerne	West Wyoming
66E10S2 00201A000	Luzerne	West Wyoming
66E10SE4001011000	Luzerne	West Wyoming
66F10 00A005000	Luzerne	West Wyoming

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March 31, 2021

UPS TRACKING (1Z8797VV0394733212)

West Wyoming Borough Supervisors
464 West 8th Street
West Wyoming, PA 18644

Re: Regional Energy Access Expansion Project– Regional Energy Lateral and Compressor Station 515
Pennsylvania Acts 14, 67, 68, and 127 Notification
West Wyoming Borough, Luzerne County, Pennsylvania

Dear Borough Supervisors:

This municipal notice, under the requirements of Act 14, 97 P.S. § 510-5, is to inform you that Transcontinental Gas Pipe Line Company, LLC (Transco), a subsidiary of The Williams Companies, Inc. (Williams) is applying for coverage under the Erosion and Sediment Control General Permit (ESCGP-3) for Earth Disturbance Associated with Oil & Gas Exploration, Production, Processing or Treatment Operations or Transmission Facilities from the Pennsylvania Department of Environmental Protection (DEP).

1) Project Name: Regional Energy Access Expansion Project – Regional Energy Lateral and Compressor Station 515

2) Project Description: Transco, indirectly owned by The Williams Companies, Inc. (Williams), is seeking authorization from the Federal Energy Regulatory Commission (FERC or Commission) under Section 7(c) of the Natural Gas Act and Part 157 of the Commission's regulations, to construct, own, operate, and maintain the proposed Project facilities. The Project is an expansion of Transco's existing natural gas transmission system that will enable Transco to provide an incremental 829,400 dekatherms per day (Dth/d) of year-round firm transportation capacity from the Marcellus Shale production area in northeastern Pennsylvania (PA) to multiple delivery points along Transco's Leidy Line in PA, Transco's mainline at the Station 210 Zone 6 Pooling Point in Mercer County, New Jersey (NJ) and multiple delivery points in Transco's Zone 6 in NJ, PA, and Maryland (MD).

The Regional Energy Lateral component of the Project will consist of approximately 22.3 miles of 30-inch diameter pipeline, partially co-located with existing Transco Leidy Line-A, in Buck, Bear Creek, Plains, Jenkins, Kingston and Dallas Townships, and Laflin, Wyoming, and West Wyoming Boroughs, Luzerne County, Pennsylvania. The Regional Energy Lateral begins at existing Compressor Station 515 in Buck Township and continues westward to its terminus at Transco's existing Hildebrandt Tie-in in Dallas Township. Transco will be installing four mainline valves with appurtenant equipment, as a means to isolate gas flows along the Regional Energy Lateral. The mainline valve sites at each pipeline terminus (MLV515RA10 at Compressor Station 515 and MLV515RA40 at the Hildebrandt Tie-in) will also have pig traps (industry term for manifolds that launch or receive in-line inspection tools). The other two valve sites are proposed along the pipeline route (MLV515RA20 at Milepost 7.5 and MLV515RA30 at Milepost 14.8). Modifications at three existing pipeline interconnects are proposed to tie-in the proposed pipeline to the existing facilities. The Carverton Tie-In is located at Milepost 16.8. The Lower Demunds Tie-In is located at Milepost 22.3 and also includes a +/- 400-ft segment of 20-in pipeline to connect to the existing facility. The Hildebrandt Tie-In is located at the Regional Energy Lateral pipeline terminus and includes MLV515RA40. Two contractor yards are proposed for the Project and are located adjacent to the pipeline. CY-LU-001 is located at Milepost 15.3 and CY-LU-002 is located at Milepost 10.5. Cathodic protection equipment will be installed along the pipeline route. Deep anode ground beds are proposed at Mileposts 7.5 and 19.8, and one remote anode ground bed is proposed at Milepost 15.3.

The existing Compressor Station 515 component of the Project is located at the eastern terminus of the Regional Energy Lateral in Buck Township, Luzerne County. Proposed at this facility is the addition of two gas-fired turbine driven compressor units with 63,742 nominal HP at ISO conditions and modification of three existing compressors to support the Project and to accommodate the abandonment and replacement of approximately 17,000 HP from five existing gas-fired reciprocating engine driven compressors and increase the certificated station compression by 46,742 HP. One Mainline Valve will be installed at this facility (MLV515RA10).

3) Applicant Name: Transcontinental Gas Pipe Line Company, LLC's (Transco), a subsidiary of Williams Partners L.P. (Williams)

4) Applicant Contact: Joseph Dean
Manager, Permitting
2800 Post Oak Blvd, Level 11
Houston, TX 77056
(713) 215-3427

5) Site Location: The proposed Project is located on the Kingston, Pittston, Wilks-Barre East, Pleasant View Summit, Pennsylvania, 7.5 Minute USGS quadrangle. The Project is partially co-located with an existing pipeline right-of-way. The eastern terminus of the Regional Energy Lateral is located at: 41°10'24.037" 75°40'18.141"W, and is also the location of Compressor Station 515. The western pipeline terminus: 41°20'48.869"N, 75°56'46.642"W.

6) Municipality / County: Buck, Bear Creek, Plains, Jenkins, Kingston, Dallas, Wyoming, West Wyoming, Laflin Townships, Luzerne County

Act 14, which amended the Commonwealth's Administrative Code (71 P.S. § 510-5), requires every applicant for a new, amended, or revised permit to give written notice to each municipality (borough, township) and county government in which the facility is located. The municipality and county government must receive the written notice at least thirty (30) - days before DEP may issue or deny approval of coverage.

Enclosed is a complete copy of the Notice of Intent (NOI) completed for the project as well as copies of the erosion and sediment control plan and post construction stormwater management plans.

Sincerely,

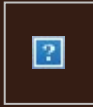


Ryan J. Nelson, PWS
WHM Consulting, LLC

Enclosures:

NOI Form
Erosion and Sediment Control Plan Drawings
Post Construction Stormwater Management Plan Drawings

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF WATER PROGRAMS
OFFICE OF OIL AND GAS MANAGEMENT

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 AUTH _____
 SITE _____
 CLNT _____
 APS _____
 Fee _____
 Check No. _____
 Check Date _____

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT
CONTROL GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH
OIL AND GAS EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT
OPERATIONS OR TRANSMISSION FACILITIES**

READ THE INSTRUCTIONS PROVIDED IN THIS PERMIT APPLICATION PACKAGE BEFORE COMPLETING THIS FORM. PLEASE PRINT OR TYPE INFORMATION IN BLACK OR BLUE INK.

SECTION A. APPLICATION TYPE

Check one:

NEW ☒ **RENEWAL** ☐ **MAJOR MODIFICATIONS (Provide ESCGP number)** ☐

PHASED ☐ (check only if applicable; *note: Most projects are not submitted as phased projects*)

Check one: EXPEDITED ☐ **STANDARD** ☒

If an Expedited Review Process being requested, be advised that the Expedited Review is not available for all projects. Refer to Section D - Expedited Review Process of the ESCGP-3 NOI Instructions to determine if the project is eligible.

SECTION B. CLIENT INFORMATION

Applicant's Last Name (If applicable)	First Name	MI	Telephone No.
Organization Name or Registered Fictitious Name Transcontinental Gas Pipe Line Company, LLC (Contact: Joseph Dean)			Telephone No. (713) 215-3427
DEP Client ID No.			
Headquarters Mailing Address 2800 Post Oak Blvd, Level 11	City Houston	State TX	ZIP Code 77056
Email Address Joseph.Dean@williams.com			
Co-Applicant's Last Name (If applicable)	First Name	MI	Telephone No.
Organization Name or Registered Fictitious Name 			Telephone No.

Address	City	State	ZIP Code
Email Address			

SECTION C. SITE INFORMATION					
Is there an existing ESCGP associated with this site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, Permit No. _____					
Has a well permit application been submitted for this site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, Permit No. _____					
Does this site have a 911 address? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, <u>provide site location address.</u>					
Site Name Regional Energy Access Expansion Project					
Site Location See Attachment 1-1.1- NOI Supporting Information			Site No. (if another permit has been issued for the site)		
Site Location – City See Attachment 1-1.1- NOI Supporting Information				State PA	ZIP Code
Detailed Written Directions to Site See Attachment 1-1.1- NOI Supporting Information for locations of all project sites					
Primary Location	County Luzerne, Northampton, Bucks, Chester, and Monroe	Municipality Buck, Bear Creek, Plains, Jenkins, Kingston, Lower Mt. Bethel, Ross, Chestnut Hill, Tunkhannock, Lower Makefield, East Whiteland and Dallas Townships Wyoming, West Wyoming, and Laflin Boroughs	City <input type="checkbox"/>	Boro <input checked="" type="checkbox"/>	Twp. <input checked="" type="checkbox"/>
SECTION D. EXPEDITED REVIEW					
I. Expedited Review Eligibility					
1. Is any part of the project in the watershed of a surface water with an existing or designated use of exceptional value or high quality pursuant to Chapter 93 (relating to water quality standards), in an exceptional value wetland in accordance with 25 Pa. Code § 105.17, or in the watershed of an impaired surface water where the cause of the impairment is identified as siltation?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
2. Will the project in which the well pad will be constructed be in or on a floodplain?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Is any earth disturbance located or proposed to be located on land known to be contaminated by the release of regulated substances as defined in Section 103 of Act 2, 35 P.S. § 6026.103?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4. Will naturally occurring geologic formations or soil conditions provide hazards to the project or surrounding environment or have the potential to cause or contribute to pollution when disturbed?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
5. Do any unresolved non-compliance issues exist with the applicant or the facility?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
6. Is the project a transmission project?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

<p>If yes to any of the above questions the project is not eligible for Expedited Review; If the project is eligible for Expedited Review, all the following items must be completed.</p>	
<p>II. Expedited Review Process</p>	
1. Is the technically and administratively complete and accurate NOI package prepared and certified by a licensed professional?	<input type="checkbox"/> Yes <input type="checkbox"/> No
2. Are E&S and PCSM/Site Restoration Plan drawings and narrative prepared and sealed by a licensed professional? <i>(Include interim restoration details when needed)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<p>3. Include a Resource Delineation Report and answer the following questions: (If the answer to question a. is "Yes" then skip to #4. If the answer to a. is "No" the applicant must answer "Yes" to at least one of the questions, b. through d. to be eligible for expedited review.)</p>	
a. Were all wetland resources delineated during the growing season?	<input type="checkbox"/> Yes <input type="checkbox"/> No
b. If not during the growing season, was a follow-up visit conducted during the growing season to verify/adjust boundaries and look for potentially missed resources?	<input type="checkbox"/> Yes <input type="checkbox"/> No
c. Was a quality assurance field review conducted at a later date by an independent qualified wetland professional to verify boundaries and look for potentially missed resources? (If yes, attach Quality Assurance Field Review Report)	<input type="checkbox"/> Yes <input type="checkbox"/> No
d. Was a Jurisdictional Determination (JD) or Preliminary JD conducted by the US Army Corps of Engineers on the whole project? (If yes, attach Preliminary or Jurisdictional Determination Report)	<input type="checkbox"/> Yes <input type="checkbox"/> No
4. If applicable, have you included PNDI clearance letters or other documentation from applicable resource agencies?	<input type="checkbox"/> Yes <input type="checkbox"/> No
5. If the project site contains, is along, or within 100 feet of a river, stream, creek, lake, pond or reservoir, will you establish new or preserve existing riparian forest buffer at least 100 feet in width between the top of streambank or normal pool elevation of a lake, pond or reservoir and areas of earth disturbances. If no, will a waiver be obtained? <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
6. Name of Licensed Professional	
Company	
Address	
Phone	

SECTION E. PROJECT INFORMATION																	
1. Total Project Area/Project Site (Ac):	1,346 (Also see Attachment 1-1.1)	Total Disturbed Area (Ac):	689.8 (Also see Attachment 1-1.1)														
Increased disturbed acreage <i>(for permit modification only)</i>																	
Fee: <i>(For additional information regarding fees, refer to NOI Instructions #3 Permit NOI Filing Fees.)</i>			\$ \$500 (Filing Fee), \$69,000 (Disturbed Acre Fee)														
2. Project Name: Regional Energy Access Expansion Project																	
3. Project Type (Check all that apply) <table border="0" style="width: 100%;"> <tr> <td><input type="checkbox"/> Oil/Gas Well ¹</td> <td><input checked="" type="checkbox"/> Transmission Facility</td> </tr> <tr> <td><input type="checkbox"/> Gathering Facility</td> <td><input type="checkbox"/> Processing Facility</td> </tr> <tr> <td><input type="checkbox"/> Treatment Facility</td> <td><input type="checkbox"/> Well Development Impoundment</td> </tr> <tr> <td><input checked="" type="checkbox"/> Compressor Station</td> <td><input type="checkbox"/> Non-FERC regulated Transmission Facility</td> </tr> <tr> <td><input checked="" type="checkbox"/> Pipeline</td> <td><input type="checkbox"/> Ground/Surface Water Withdrawal Site</td> </tr> <tr> <td><input type="checkbox"/> Storage Field Facility</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Other</td> <td></td> </tr> </table>				<input type="checkbox"/> Oil/Gas Well ¹	<input checked="" type="checkbox"/> Transmission Facility	<input type="checkbox"/> Gathering Facility	<input type="checkbox"/> Processing Facility	<input type="checkbox"/> Treatment Facility	<input type="checkbox"/> Well Development Impoundment	<input checked="" type="checkbox"/> Compressor Station	<input type="checkbox"/> Non-FERC regulated Transmission Facility	<input checked="" type="checkbox"/> Pipeline	<input type="checkbox"/> Ground/Surface Water Withdrawal Site	<input type="checkbox"/> Storage Field Facility		<input type="checkbox"/> Other	
<input type="checkbox"/> Oil/Gas Well ¹	<input checked="" type="checkbox"/> Transmission Facility																
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<input type="checkbox"/> Treatment Facility	<input type="checkbox"/> Well Development Impoundment																
<input checked="" type="checkbox"/> Compressor Station	<input type="checkbox"/> Non-FERC regulated Transmission Facility																
<input checked="" type="checkbox"/> Pipeline	<input type="checkbox"/> Ground/Surface Water Withdrawal Site																
<input type="checkbox"/> Storage Field Facility																	
<input type="checkbox"/> Other																	
¹ If Oil/Gas Well; is the well conventional or unconventional? <input type="checkbox"/> Conventional <input type="checkbox"/> Unconventional																	

Project Description

Transco, indirectly owned by The Williams Companies, Inc. (Williams), is seeking authorization from the Federal Energy Regulatory Commission (FERC or Commission) under Section 7(c) of the Natural Gas Act and Part 157 of the Commission's regulations, to construct, own, operate, and maintain the proposed Project facilities

The Project is an expansion of Transco's existing natural gas transmission system that will enable Transco to provide an incremental 829,400 dekatherms per day (Dth/d) of year-round firm transportation capacity from the Marcellus Shale production area in northeastern Pennsylvania (PA) to multiple delivery points along Transco's Leidy Line in PA, Transco's mainline at the Station 210 Zone 6 Pooling Point in Mercer County, New Jersey (NJ) and multiple delivery points in Transco's Zone 6 in NJ, PA, and Maryland (MD). The Project will consist of the following components:

- Approximately 22.3 miles of 30-inch-diameter pipeline partially collocated with Transco's Leidy Line A from milepost (MP) 0.00 to MP 22.32 in Luzerne County, PA (Regional Energy Lateral);
 - Approximately 13.8 miles of 42-inch-diameter pipeline collocated with Transco's Leidy Line System from MP 43.72 to MP 57.50 in Monroe County, PA (Effort Loop);
 - New gas-fired turbine driven compressor station identified as Compressor Station 201 with 11,107 nominal horsepower (HP) at International Organization of Standardization (ISO) conditions in Gloucester County, NJ;
 - Addition of two gas-fired turbine driven compressor units with 31,800 nominal HP at ISO conditions at existing Compressor Station 505 in Somerset County, NJ, to accommodate the abandonment and replacement of approximately 16,000 HP from eight existing internal combustion engine-driven compressor units and increase the certificated station compression by 15,800 HP;
 - Addition of two gas-fired turbine driven compressor units with 63,742 nominal HP at ISO conditions and modification of three existing compressors at existing Compressor Station 515 in Luzerne County, PA to support the Project and to accommodate the abandonment and replacement of approximately 17,000 HP from five existing gas-fired reciprocating engine driven compressors and increase the certificated station compression by 46,742 HP;
 - Uprate and rewheel two existing electric motor-driven compressor units at existing Compressor Station 195 in York County, PA to increase the certificated station compression by 5,000 HP and accommodate the abandonment of two existing gas-fired reciprocating engine driven compressors which total approximately 8,000 HP of compression;
 - Modifications at existing Compressor Station 200 in Chester County, PA;
 - Uprate one existing electric motor-driven compressor unit at Compressor Station 207 in Middlesex County, NJ to increase the certificated station compression by 4,100 HP;
 - Modifications to three (3) existing pipeline tie-ins in PA (Hildebrandt Tie-in, Lower Demunds REL Tie-in, and Carverton Tie-in);
 - Addition of regulation controls at an existing valve setting on Transco's Mainline "A" in Bucks County, PA (Mainline A Regulator);
 - Modifications at the existing Delaware River Regulator in Northampton County, PA;
 - Modifications at the existing Centerville Regulator in Somerset County, NJ;
 - Modifications to the existing valves and piping at the Princeton Junction (Station 210 Pooling Point) in Mercer County, NJ;
 - Modifications to three (3) existing delivery meter stations in NJ (Camden M&R Station, Lawnside M&R Station, and Mt. Laurel M&R Station);
 - Modifications to one (1) existing delivery meter station in MD (Beaver Dam M&R Station);
 - Contractual changes (no modifications) at ten (10) existing delivery meter stations in PA and NJ (Algonquin-Centerville Meter Station, Post Road Meter Station, New Village Meter Station, Spruce Run Meter Station, Marcus Hook Meter Station, Ivyland Meter Station, Repaupo Meter Station, Morgan Meter Station, Lower Mud Run Meter Station, and Chesterfield Meter Station);
 - Additional ancillary facilities, such as mainline valves (MLVs), cathodic protection, communication facilities, and internal inspection device (e.g., pig) launchers and receivers in PA; and
 - Existing, improved, and new access roads and contractor yards/staging areas in PA, NJ, and MD.
- Provide the date of pre-application meeting (if conducted with the Department) 04/27/20, 07/09/20, 09/04/20, 09/30/20, 12/15/20, 12/16/20, 01/06/21, 02/05/21

4. Provide the latitude and longitude coordinates for the center of the project. The coordinates should be in Decimal degrees and North American Datum 1983. The coordinates must meet the current DEP policy regarding locational accuracy. For linear projects provide the project's termini. See Attachment 1-1.1

Latitude (DD) . Latitude (DD) . Horizontal Collection Method: <input type="checkbox"/> GPS <input checked="" type="checkbox"/> Interpolated from U.S.G.S. Topographic Map <input type="checkbox"/> DEP's eMAP	Longitude (DD) - . Longitude (DD) - .				
5. U.S.G.S. 7.5 min. topographic quadrangle Name (See Attachment 1-1.1) <i>(Include a copy of the project area on the 7.5 min quad map)</i>					
6. Will the project be conducted as a phased permit project? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Include Master Site Plan Estimated Timetable for Phased Projects. <input type="checkbox"/> Additional sheet(s) attached.					
Phase No. or Name	Description	Total Area	Disturbed Area	Start Date	End Date
7. List existing and previous land use for a minimum of the previous 5 years. (See Section 2 of this ESCGP-3 Application)					
8. Other Pollutants: Will the stormwater discharge contain pollutional substances other than sediment? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
9. Will fuels, chemicals, solvents, other hazardous waste or materials be used or stored on site during earth disturbance activities or will Horizontal Directional Drilling (HDD) activities be conducted? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If yes, Preparedness, Prevention and Contingency (PPC) Plan must be maintained on site during earth disturbance. See NOI Instructions, E.9 PPC Plan Guidance for further information.)</i>					
10. Is the project in the watershed of an impaired surface water where the cause of the impairment is identified as siltation? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (See Section 2-5 of this ESCGP-3 Application) <i>(If yes, show how the project will not result in a net change in volume, rate or water quality. See section I below, and E.10 of NOI instructions.)</i>					
11. Are there potentially hazardous naturally occurring geological or soil conditions in any portion of the project or surrounding area? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, do the potentially hazardous geologic or soil conditions have the potential to cause or contribute to pollution as a result of the proposed earth disturbance activities? If no, provide an explanation. If yes, Geologic Hazard Mitigation Plan must be attached and explain where in this application details are provided.					
12. Has the Act 14 Municipal Notification and proof of receipt of notification been attached to the NOI? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If not, the NOI is not complete, see E.12 and #4 Municipal Notification in the NOI Instructions for additional guidance.)</i>					
13. Has the PNDI receipt been attached to the NOI? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If not, the NOI is not complete, see E.13 and #5 PNHP in the NOI Instructions for additional guidance.)</i>					
14. Have the E&S Plan and PCSM/SR Plan been planned and designed to be consistent? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
15. Have existing and/or proposed Riparian Forest Buffers been identified? Yes <input checked="" type="checkbox"/> N/A <input type="checkbox"/> <i>(If yes, they must be shown on the E&S Plan as well as the PCSM/SR Plans.)</i>					
16. Have antidegradation implementation requirements for special protection waters been addressed? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> <i>(If yes, antidegradation requirements must be included in the plan.)</i>					

17. Has the seasonal high groundwater level been identified and 20-inch separation established at all excavation locations for pits for conventional operations and Well Development Impoundments for unconventional operations?

Yes ☐ No ☐ N/A ☒

18. Receiving Waters	Chapter 93, Designated Use Stream Classification	Chapter 93, Existing Use Stream Classification
<u>Effort Loop-</u> <u>Lake Creek (HQ-CWF,MF)</u> <u>Princess Run (CWF,MF)</u> <u>Weir Creek (CWF,MF)</u> <u>McMichael Creek (EV, MF) and (HQ-CWF)</u> <u>Pohopoco Creek (CWF,MF)</u> <u>Sugar Hollow Creek (CWF,MF)</u> <u>Poplar Creek (EV,CWF,MF)</u> <u>Mud Run (HQ-CWF, MF)</u> <u>Mud Pond Run (HQ-CWF,EV,MF)</u> <u>Tunkhannock Creek (HQ-CWF,MF)</u> <u>Regional Energy Lateral-Stony Run (HQ-CWF,MF)</u> <u>Shades Creek (HQ-CWF,MF)</u> <u>Little Shades Creek (HQ-CWF,MF)</u> <u>Snider Run (HQ-CWF,MF)</u> <u>Meadow Run (HQ-CWF,MF)</u> <u>Bear Creek (HQ-CWF,MF)</u> <u>Little Bear Creek (HQ-CWF,MF)</u> <u>Mill Creek (CWF,MF)</u> <u>Gardner Creek (CWF,MF)</u> <u>Susquehanna River (WWF,MF)</u> <u>Abrahams Creek (CWF,MF)</u> <u>Toby Creek (CWF,MF)</u> <u>Trout Brook (CWF,MF)</u> <u>Compressor Station 515-Shades Creek (HQ-CWF,MF)</u> <u>Stony Run (HQ-CWF,MF)</u> <u>Compressor Station 200-Valley Creek (EV,MF)</u> <u>Delaware River Regulator-Mud Run (CWF, MF)</u> <u>Mainline "A" Regulator - Dyers Creek (WWF,MF)</u> <u>See Attachment 1-1.1 for detailed list.</u>	<input checked="" type="checkbox"/> HQ <input checked="" type="checkbox"/> EV <input checked="" type="checkbox"/> Other <u>CWF, MF, WWF</u> <input checked="" type="checkbox"/> Siltation-impaired	<input type="checkbox"/> HQ <input checked="" type="checkbox"/> EV <input checked="" type="checkbox"/> Other <u>MF</u> <input type="checkbox"/> Siltation-impaired
	<input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired	<input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired

	<input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired <input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired	<input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired <input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired
Secondary Receiving Water	Secondary Chapter 93, Designated Use	Secondary Existing Use
Name of Municipal or Private Separate Storm Sewer Operator, if applicable.		
Non-Surface Receiving Water: (include off-site discharges)		

SECTION F. EROSION AND SEDIMENT CONTROL (E&S) PLAN
See the attached Instructions for additional guidance with E&S Plans

Erosion and Sediment Control Plan BMPs should be designed to minimize accelerated erosion and sedimentation through limiting the extent and duration of earth disturbance, protection of existing drainage and vegetation, limiting soil compaction and controlling the generation of increased runoff. The Department recommends the use of the *Pennsylvania Erosion & Sedimentation Pollution Control Program Manual (E&S Manual)* (363-2134-008) to achieve this goal. The E&S Plan must meet the requirements of Pa. Code § 102.4(b) and submitted with the NOI. Also, see section 2. of the NOI instruction for detailed information on completing the E&S plan and additional requirements.

a. E&S Plan Summary

Provide a summary of proposed E&S BMPs and their performance to manage E&S for the project.

Typical BMPs provided along the pipeline Right-Of-Way includes waterbars, trench plugs, compost filter socks, compost sediment traps, rock filter outlets, erosion control blankets, rock construction entrances, temporary equipment bridges, timber mats, diversion channels, level spreaders, mulch and seed. An appropriate sediment removal device (filter bag, dewatering structure) and well-vegetated area will be utilized for trench dewatering. In HQ, EV watersheds, appropriate Antidegradation Best Available Combination of Technologies (ABACT) BMPs will be utilized. Additional information regarding all the proposed BMPs are provided in the Erosion and Sedimentation Control and Site Restoration Plans of respective project components (Section 2 of this ESCGP-3 Application).

b. E&S Plan BMP Design

Check those that apply:

- ☒ E&S Plan is designed using BMPs in the *E&S Manual*.
- ☐ E&S Plan is designed using an alternative BMP or design standard approved by DEP.

Note: NOI packages submitted with alternate BMPs not approved by the Department will be returned to the Applicant.

c. Do you have any information regarding riparian buffer which differs from Section G, Riparian Buffer?

Yes ☐ No ☒

Explain:

d. Thermal Impacts Analysis

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

Thermal impacts associated with Regional Energy Access Expansion Project will be avoided to the maximum extent possible. Minimum permanent changes in land cover are being proposed for constructing the pipeline facilities. Runoff from impervious areas added during the project will be suitably routed to Stormwater BMPs. Gravel will be used for access roads wherever practicable. To avoid thermal impacts arising from clearing and grading, removal of vegetation will be limited to only that necessary for construction and construction Right-Of-Way will be limited to 75 feet in wetlands and floodways where practical. Once construction activities are complete, disturbed areas will be restored to pre-construction contours and seeded as described in Erosion and Sediment Control and Site Restoration Plans. Temporary workspaces will be restored back with woody and herbaceous species. Thermal impacts assessments corresponding to each project component including pipelines and aboveground facilities are given in Section 2 and 3 of this ESCGP-3 Application.

e. Off-Site Discharge Analysis

Does the activity propose any off-site discharges to areas other than surface waters? ☒ Yes ☐ No

If yes, it is the applicant's responsibility to ensure that they have legal authority for any off-site discharge to neighboring properties.

The applicant must provide a demonstration in both E&S and PCSM/SR plans that the discharge will not cause erosion, damage, or a nuisance to off-site properties.

See Offsite Discharge Analysis Sections in E&S Narratives

SECTION G. RIPARIAN BUFFER

1. Will you be protecting, converting or establishing a voluntary riparian forest buffer as part of this project?
☐ Yes ☒ No
If yes, as part of the PCSM/SR Plan, provide a Buffer Management Plan.
2. Will proposed earth disturbance activities be conducted in an EV or HQ watershed AND within 150 feet of a perennial or intermittent river, stream, or creek, or lake, pond, or reservoir? ☒ Yes ☐ No
If no, proceed to the next section/module.
3. Does this project qualify for an exception (see § 102.14(d)(1))? ☒ Yes ☐ No
If yes, indicate below the type of project for which the exception applies by marking the appropriate box.
☐ Oil and gas activities for which site reclamation or restoration is part of the permit authorization in Chapter 78 and 78a.
☒ Road maintenance activities.
☐ The repair or maintenance of existing pipelines and utilities.
☐ Other (see §102.14(d)(1))
If exceptions are checked, explain how existing riparian buffer will be undisturbed to the extent practicable. Provide a demonstration that the requirements of §102.14(b) are met, or provide the necessary information to request a riparian buffer waiver.
4. Are you requesting a riparian buffer waiver for this project (see § 102.14(d)(2))? ☒ Yes ☐ No
If yes, indicate below the type of project for which you are requesting a waiver by marking the appropriate box.
☒ Linear project that may include pipelines, public roadways, rail lines, or utility lines.
☒ Project is of a temporary nature where the site will be fully restored to its preexisting conditions during the ESCGP permit term.
☒ Project where compliance with mandatory riparian buffers is not appropriate or feasible due to site characteristics or existing structures at the project site.
☐ Other (see §102.14(d)(2)):
If waivers are checked, explain how existing riparian buffers will be undisturbed to the extent practicable.
Note: If "Yes" to #2 **AND** "No" to #3 and #4, provide an attachment to demonstrate how the requirements of §102.14 are met.

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PCSM) AND/OR SITE RESTORATION(SR) PLAN

See NOI Instructions for additional guidance with PCSM Plans

PCSM/SR BMPs should be designed to use natural measures to eliminate pollution, infiltrate runoff, not require extensive construction/maintenance, promote pollutant reduction, and preserve the integrity of stream channels. All PCSM/SR BMPs proposed in the PCSM/SR Plan must be designed in accordance with Ch. 102, Ch. 78a for unconventional operations, Ch. 78 for conventional operations and the *Pennsylvania Stormwater Best Management Practices Manual (Stormwater BMP Manual)* (363-0300-002). If alternate design criteria are utilized for the proposed project, they must have prior approval by the Department, or the NOI Application will be returned to the Applicant.

After construction is completed, how much of the entire disturbed area will be restored to meadow in good condition or better, or existing conditions? ☐ All ☒ Partial ☐ None

Include PCSM narrative and drawings for remaining impervious area. Also include a map showing the proposed contours of the site restoration plan.

If there are additional stages of the project prior to permit termination or expiration, list the stages and provide the documents required by subsection 'a' to section 'g' for each stage (e.g. partial restoration or changes to the amount of compacted areas, gravel, and/or impervious areas). Upload a narrative for each additional stage in addition to the drawings.

EXAMPLE

Stage No	Stage Name	PCSM Plan	SR Plan
Stage 1		<input type="checkbox"/>	<input type="checkbox"/>
Stage 2		<input type="checkbox"/>	<input type="checkbox"/>
Stage 3		<input type="checkbox"/>	<input type="checkbox"/>
Stage 4		<input type="checkbox"/>	<input type="checkbox"/>

Act 167 Consistency. Check those that apply.

Is there an Act 167 Plan? ☒ Yes ☐ No

☒ The attached PCSM/SR Plan is consistent with an applicable approved Act 167 Plan.

Complete the following for all approved Act 167 Stormwater Management Plans. (Use additional sheets if necessary)

Act 167 Plan Name _____ Date Adopted _____ Consistency Letter Included ☐

Luzerne County Stormwater August 18, 2010 Verification Report Included ☒

Management Ordinance

Valley Creek Watershed Stormwater February 04, 2011

Management Plan

Note: A consistency letter is not required if a verification report is provided. See NOI Instructions. The PCSM/SR Plan must satisfy either sub paragraph 1, 2, or 3 below. Check those that apply.

1. ☒ Act 167 Plan approvals on or after January 2005 – The attached PCSM/SR Plan, in its entirety, is consistent with all requirements pertaining to rate, volume, and water quality from an Act 167 Stormwater Management Plan approved by DEP on or after January 2005. Box 1 must be checked if a current, DEP approved Act 167 plan exists.
2. ☒ The PCSM/SR Plan meets the standard design criteria from sections 102.8(g)(2) and (3) and the *Stormwater BMP Manual*. For projects involving oil and gas activities authorized by a permit issued under Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure, post construction stormwater management requirements are met for all areas that are restored to preconstruction conditions or to a condition of meadow in good condition or better. *[Note: PCSM plans must meet both the volume and rate requirements in the regulations, which are provided in the 2 sections mentioned in this paragraph].*
3. ☐ Alternative Design Standard – The attached PCSM/SR Plan was developed using approaches as provided in 102.8(g)(2)(iv) and 102.8(g)(3)(iii). Demonstrate/explain in the space provided below how this standard will be either more protective than what is required in 102.8(g)(2) and 102.8(g)(3) or will maintain and protect existing water quality and existing and designated uses.

PCSM/SR BMP Alternative Standards:

Has the alternative BMP or design standard been approved by the Department?

☐ Yes

☐ No – Do not submit the ESCGP-3 application and see Section (H) of the NOI Instructions concerning the alternative BMP approval process.

Water Quality Compliance:

Does the PCSM/SR plan comply with requirements for volume control? ☒ Yes ☐ No

If yes, is at least 90% of the disturbed area controlled by a PCSM BMP? ☒ Yes ☐ No

If yes, do you have the Standard PCSM Worksheet # 10 attached to show water quality compliance has achieved?

☒ Yes ☐ No

If no, attach Standard PCSM Worksheets # 12 and #13 to show water quality compliance has achieved.

If PCSM/SR plan is not complying with the requirements for volume control, attach Standard PCSM Worksheets # 11, # 12 and #13 to show water quality compliance has achieved.

a. PCSM/SR Plan Summary

Provide a summary of proposed BMPs and their performance to manage PCSM/SR for the project.

Along the pipeline Right-Of-Way, typical E&S BMPs such as waterbars and erosion control blanket will be left in place as part of site restoration. After construction activities are completed, temporary workspaces will be restored to meadow in good condition or better than existing conditions. For the aboveground facilities, PCSM BMPs such as infiltration basins, diversion channels and vegetated swales will be used and left in place as part of site restoration. Additional information regarding all the proposed BMPs are provided in the Post-Construction Stormwater Management Plans of respective project components (Section 3 of this ESCGP-3 Application).

Check all that apply ☒ PCSM BMPs ☒ SR BMPs

b. Do you have any information regarding riparian buffer which differs from what was submitted in the Section G, Riparian Buffer?

☐ Yes ☒ No

Explain:

c. Thermal Impacts Analysis

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

Runoff collected in PCSM BMPs such as infiltration basins will mitigate thermal impacts from post construction stormwater. Runoff collected in infiltration basins are discharged to receiving waters are not expected to be retained for more than 24 hours. Minimum permanent changes in land cover are being proposed for constructing the pipeline facilities. Gravel will be used for access roads wherever practicable. Removal of trees and riparian vegetation and addition of impervious surfaces will be limited to only that necessary for construction. Once construction activities are complete, disturbed areas will be restored to pre-construction contours and seeded as described in Erosion and Sedimental Control and Site Restoration Plans. Temporary workspaces will be restored back with woody and herbaceous species. Thermal impacts assessments corresponding to each project component including pipelines and aboveground facilities are given in Section 2 and 3 of this ESCGP-3 Application.

d. Off-Site Discharge Analysis.

Does the activity propose any off-site discharges to areas other than surface waters? ☒ Yes ☐ No

If yes, it is the applicant's responsibility to ensure that they have legal authority for any off-site discharge to neighboring properties.

The Applicant must provide a demonstration in both the E&S and PCSM/SR Plans that the discharge will not cause erosion, damage, or a nuisance to off-site properties.

See Offsite Discharge Analysis Sections in PCSM Narratives

NOI Section H. POST CONSTRUCTION STORMWATER MANAGEMENT (PCSM) PLANS

Summary Calculations of Post Construction Stormwater BMPs

1. Regional Energy Lateral Pipeline - MLV-515RA20
2. Regional Energy Lateral Pipeline - MLV-515RA30
3. Regional Energy Lateral Pipeline - Carverton Tie-in
4. Regional Energy Lateral Pipeline - Lower Demunds REL Tie-in
5. Regional Energy Lateral Pipeline – Hildebrandt Tie-in/MLV-515RA40
6. Effort Loop Pipeline - MLV-505LD86
7. Compressor Station 200
8. Compressor Station 515

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - MLV-515RA20 - Zenker Valve Yard

e. Summary Table for Supporting Calculation and Measurement Data
(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Mill Creek			
Volume Control design storm frequency 2-year Rainfall amount 2.95 inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.19	+0.19
Volume of stormwater runoff (acre- feet) without planned stormwater BMPs	0.04	0.06	+0.02
Volume of stormwater runoff (acre- feet) with planned stormwater BMPs		0.03	-0.01
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	3.51	3.22	-0.29
2) 10-Year/24-Hour	6.82	6.17	-0.65
3) 50-year/24-Hour	11.88	11.12	-0.76
4) 100-year/24-Hour	14.91	14.91	-0.00

f. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Vegetated Swale	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input checked="" type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ <u>1,396cf(2-yr);</u> <u>6,186cf(100-yr)</u>	_____ _____ <u>0.28</u>
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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g. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Dry Extended Detention Basin area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Channels to ensure they have been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Dry Extended Detention Basin to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Dry Extended Detention Basin the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. At completion of Collection Channel C1 to ensure it has been constructed to the proposed line and grade, the specified lining material has been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
6. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to Collection Channel C1.
7. For final inspection of constructed BMPs.
8. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL GENERAL PERMIT (ESGCP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR TRANSMISSION FACILITIES

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - MLV-515RA30 - Wyoming Valve Yard

b. Summary Table for Supporting Calculation and Measurement Data (See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Susquehanna-Solomon Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>2.57</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.24	+0.24
Volume of stormwater runoff (acre- feet) without planned stormwater BMPs	0.03	0.06	+0.03
Volume of stormwater runoff (acre- feet) with planned stormwater BMPs		0.03	-0.00
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.22	0.02	-0.20
2) 10-Year/24-Hour	0.68	0.03	-0.65
3) 50-year/24-Hour	1.52	0.06	-1.46
4) 100-year/24-Hour	2.06	0.07	-1.99

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Soil Amendment	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>451cf(2-yr);</u> <u>2,511cf(100-yr)</u> _____ _____ _____ _____	_____ <u>0.21</u> _____ _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input checked="" type="checkbox"/> Other <u>Vegetated Swale</u>	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	 <u>1,009cf(2-yr):</u> <u>4,264cf(100-yr)</u>	 <u>0.49</u>
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Vegetated Swale area has been flagged and fence erected to prevent access to the area.
2. At the beginning of construction of the Vegetated Swale to ensure the infiltration area has not been compacted by construction activities.
3. During construction of the Vegetated Swale the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
4. At completion of Collection Channel C1 to ensure it has been constructed to the proposed line and grade, the specified lining material has been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the infiltration berm.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - Carverton Tie-In

<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i></p> <p>The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Abrahams Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>2.61</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.03	0.11	+0.08
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.02	0.03	+0.01
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.00	-0.02
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.46	0.00	-0.46
2) 10-Year/24-Hour	0.91	0.00	-0.91
3) 50-year/24-Hour	1.61	0.00	-1.61
4) 100-year/24-Hour	2.01	0.00	-2.01

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>1,280cf (2-yr);</u> <u>4,445cf(100-yr)</u>	_____ _____ _____ _____ <u>0.26</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. At the beginning of construction to ascertain the Infiltration Berm area has been flagged and fence erected to prevent access to the area.
2. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the infiltration berm.
3. At the beginning of construction of the Infiltration Berm to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the infiltration berm the licensed professional will observe that the berm is constructed in accordance with the plans and specifications.
5. For final inspection of constructed BMPs.
6. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - Lower Demunds REL Tie-In

<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i></p> <p>The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Toby Creek			
Volume Control design storm frequency 2-year Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.12	+0.12
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.02	0.04	+0.02
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.01	-0.01
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.20	0.00	-0.20
2) 10-Year/24-Hour	0.40	0.00	-0.40
3) 50-year/24-Hour	0.71	0.20	-0.51
4) 100-year/24-Hour	0.89	0.51	-0.38

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>1,481cf(2-yr);</u> <u>4,356cf(100-yr)</u> _____ _____ _____	_____ <u>0.17</u> _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Valve Yard Pad area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Berm/Channel to ensure it has been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Valve Yard Pad to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Valve Yard Pad the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the outlet structure.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline – MLV-515RA40-Hildebrandt Tie-In

b. Summary Table for Supporting Calculation and Measurement Data

(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Toby Creek

Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.0	0.22	+0.22
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.03	0.07	+0.04
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.01	-0.02
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.34	0.20	-0.14
2) 10-Year/24-Hour	0.67	0.38	-0.29
3) 50-year/24-Hour	1.20	0.65	-0.55
4) 100-year/24-Hour	1.52	0.80	-0.72

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Vegetated Swale	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>2,265cf(2-yr);</u> <u>5,881cf(100-yr)</u>	_____ <u>0.21</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____

<input type="checkbox"/> Roadside Vegetated Filter Strips		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Stormwater Energy Dissipaters	Infiltration/Recharge			
<input type="checkbox"/> Level Spreaders		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Riprap Aprons		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Upslope Diversions		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Other _____		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____

d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Valve Yard Pad area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Channel to ensure it has been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Valve Yard Pad to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Valve Yard Pad the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the outlet structure.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Effort Loop Pipeline-MLV-505LD86 Sugar Hollow Valve Yard

b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i> The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.			
Watershed Name: Pohopoco Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.26</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.09	0.62	+0.53
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.35	0.44	+0.09
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.28	-0.07
Stormwater discharge rate for the design frequency storm DA-1	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.01	0.01	-0.00
2) 10-Year/24-Hour	0.37	0.31	-0.06
3) 50-year/24-Hour	5.89	4.21	-1.68
4) 100-year/24-Hour	11.47	8.28	-3.19
Stormwater discharge rate for the design frequency storm DA-2	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	4.51	3.97	-0.54
2) 10-Year/24-Hour	12.49	12.28	-0.21
3) 50-year/24-Hour	26.58	24.35	-2.23
4) 100-year/24-Hour	35.41	31.74	-3.67

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input checked="" type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ <u>1,123cf(2-yr);</u> <u>21,318cf(100-yr)</u> _____ <u>5,915cf(2-yr);</u> <u>26,924cf(100-yr)</u>	_____ _____ <u>2.85</u> _____ <u>1.54</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. For the final grading of the access road, ensuring it is constructed according to the plan details for proper conveyance of runoff.
2. Following final grading and seeding of the diversion channels and basin, in order to confirm they have been constructed according to the plan details for proper collection and conveyance of runoff. Periodic assessments will need to be made to ensure accumulated sediment have been cleaned out so the channels and basin maintain the necessary design volumes.
3. During the layout and excavation of the outlet control structure, the professional or delegate will ensure sizing, materials specifications, and construction procedures are followed to enable proper storage in the basin.
4. Following final grading and seeding of the infiltration berm in order to confirm they have been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessment will need to be made to ensure that accumulated sediment have been cleaned out so the area behind the berm maintains the necessary design volume.
5. For final inspection of constructed channels, basin and berms.
6. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Compressor Station 200

b. Summary Table for Supporting Calculation and Measurement Data

(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Valley Creek

Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.30</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.25	0.40	+0.15
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.07	0.11	+0.04
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.07	-0.00
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	1.03	0.15	-0.88
2) 10-Year/24-Hour	2.06	1.39	-0.67
3) 50-year/24-Hour	3.19	2.79	-0.40
4) 100-year/24-Hour	3.97	3.50	-0.47

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>3,790cf(2-yr);</u> <u>11,631cf(100-yr)</u>	_____ _____ _____ _____ <u>0.56</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Following final grading and seeding of the infiltration berm in order to confirm it has been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessments will need to be made to ensure that accumulated sediment should be cleaned out so the channels and berm maintain necessary design volume.
2. For final inspection of constructed BMPs.
3. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E & S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESGCP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Compressor Station 515

<p align="center">b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i></p> <p>The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Bear Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.34	2.44	+2.10
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.50	0.81	+0.31
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.18	-0.32
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	5.46	1.76	-3.70
2) 10-Year/24-Hour	10.19	8.30	-1.89
3) 50-year/24-Hour	16.85	9.55	-7.30
4) 100-year/24-Hour	20.81	9.58	-11.23

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>31,799cf(2-yr):</u> <u>96,268cf(100-yr)</u>	_____ _____ _____ _____ <u>3.83</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

- Following final grading and seeding of the collection channels and infiltration berm in order to confirm they have been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessments will need to be made to ensure that accumulated sediment should be cleaned out so the channels and berm maintain necessary design volume.
- For final inspection of constructed BMPs.
- At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E & S controls.

SECTION I. ANTIDEGRADATION ANALYSIS

This section must be completed where earth disturbance activities will be conducted in the watershed of a surface water with an existing or designated use of exceptional value or high quality pursuant to Chapter 93 (relating to water quality standards), projects where any part is located in an exceptional value wetland in accordance with 25 Pa. Code § 105.17, and projects where any part is located in the watershed of an impaired surface water where the cause of impairment is identified as siltation.

Part 1 - NONDISCHARGE ALTERNATIVES EVALUATION

The applicant must consider and describe any and all non-discharge alternatives for the entire project area which are environmentally sound and will:

- Minimize accelerated erosion and sedimentation during the earth disturbance activity
- Achieve no net change from pre-development to post-development volume, rate and concentration of pollutants in water quality

E & S Plan	PCSM/SR Plan
<p>Check off the environmentally sound nondischarge Best Management Practices (BMPs) listed below to be used prior to, during, and after earth disturbance activities that have been incorporated into your E & S Plan based on the site analysis. For non-discharge BMPs not checked, provide an explanation of why they were not utilized. Also for BMPs checked, provide an explanation of why they were utilized. (Provide the analysis and attach additional sheets if necessary)</p> <p>See Section 2 of this ESCGP-3 Application</p>	<p>Check off the environmentally sound nondischarge Best Management Practices (BMPs) listed below to be used after construction that have been incorporated into the PCSM/SR Plan based on your site analysis. For non-discharge BMPs not checked, provide an explanation of why they were not utilized. Also for BMPs checked, provide an explanation of why they were utilized. (Provide the analysis and attach additional sheets if necessary)</p> <p>See Section 3 of this ESCGP-3 Application</p>
<p>Nondischarge BMPs</p> <div style="margin-left: 20px;"> <input type="checkbox"/> Alternative Siting <div style="margin-left: 20px;"> <input type="checkbox"/> Alternative location <input type="checkbox"/> Alternative configuration <input type="checkbox"/> Alternative location of discharge </div> <input checked="" type="checkbox"/> Limited Disturbed Area <input type="checkbox"/> Limiting Extent & Duration of Disturbance (Phasing, Sequencing) <input type="checkbox"/> Riparian Buffers (150 ft. min.) <input type="checkbox"/> Riparian Forest Buffer (150 ft. min.) <input type="checkbox"/> Other _____ </div>	<p>Nondischarge BMPs</p> <div style="margin-left: 20px;"> <input type="checkbox"/> Alternative Siting <div style="margin-left: 20px;"> <input type="checkbox"/> Alternative location <input type="checkbox"/> Alternative configuration <input type="checkbox"/> Alternative location of discharge </div> <input type="checkbox"/> Low Impact Development (LID / BSD) <input type="checkbox"/> Riparian Buffers (150 ft. min.) <input type="checkbox"/> Riparian Forest Buffer (150 ft. min.) <input checked="" type="checkbox"/> Infiltration <input type="checkbox"/> Water Reuse <input type="checkbox"/> Other _____ </div>
<p>Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality during construction?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, antidegradation analysis is complete. If no, proceed to Part 2.</p>	<p>Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality after construction?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, antidegradation analysis is complete. If no, proceed to Part 2.</p>

PART 2 - ANTIDEGRADATION BEST AVAILABLE COMBINATION OF TECHNOLOGIES (ABACT)

If the net change in stormwater discharge from or after construction is not fully managed by nondischarge BMPs, the applicant must utilize ABACT BMPs to manage the difference. The Applicant must specify whether the discharge will occur during construction, post-construction or both, and identify the technologies that will be used to ensure that the discharge will be a non-degrading discharge. ABACT BMPs include but are not limited to:

E & S Plan	PCSM/SR Plan
<p><input checked="" type="checkbox"/> Treatment BMPs:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Sediment basin with skimmer <input type="checkbox"/> Sediment basin ratio of 4:1 or greater (flow length to basin width) <input type="checkbox"/> Sediment basin with 4-7 day detention <input type="checkbox"/> Flocculants <input checked="" type="checkbox"/> Compost Filter Socks <input checked="" type="checkbox"/> Compost Filter Sock Sediment Basin <input checked="" type="checkbox"/> RCE w/ Wash Rack <p><input checked="" type="checkbox"/> Land disposal:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Vegetated filters <input type="checkbox"/> Riparian buffers <150ft. <input type="checkbox"/> Riparian Forest Buffer <150ft. <input checked="" type="checkbox"/> Immediate stabilization <p><input checked="" type="checkbox"/> Pollution prevention:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> PPC Plans <input checked="" type="checkbox"/> Street sweeping <input checked="" type="checkbox"/> Channels, collectors and diversions lined with permanent vegetation, rock, geotextile or other non-erosive materials <p><input type="checkbox"/> Stormwater reuse technologies:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Sediment basin water for dust control <input type="checkbox"/> Sediment basin water for irrigation <p><input type="checkbox"/> Other _____</p>	<p><input checked="" type="checkbox"/> Treatment BMPs:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Infiltration Practices <input type="checkbox"/> Wet ponds <input type="checkbox"/> Created wetland treatment systems <input checked="" type="checkbox"/> Vegetated swales <input type="checkbox"/> Manufactured devices <input checked="" type="checkbox"/> Bio-retention/infiltration <input type="checkbox"/> Green Roofs <p><input type="checkbox"/> Land disposal:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Vegetated filters <input type="checkbox"/> Riparian Buffers <150ft. <input type="checkbox"/> Riparian Forest Buffer <150ft. <input type="checkbox"/> Disconnection of roof drainage <input type="checkbox"/> Bio-retention/bio-infiltration <p><input checked="" type="checkbox"/> Pollution prevention:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Street sweeping <input type="checkbox"/> Nutrient, pesticide, herbicide or other chemical application plan alternatives <input checked="" type="checkbox"/> PPC Plans <input checked="" type="checkbox"/> Non-structural Practices <input checked="" type="checkbox"/> Restoration BMPs <p><input type="checkbox"/> Stormwater reuse technologies:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Divert rainwater into impoundment <input type="checkbox"/> Underground storage <p><input type="checkbox"/> Spray/Drip Irrigation</p> <p><input type="checkbox"/> Other _____</p>
<p>Are the ABACT BMPs selected sufficient to minimize E&S discharges to the extent that existing or designated surface water uses are protected?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.</p>	<p>Are the ABACT BMPs selected sufficient to achieve no net change and assure that existing or designated surface water uses are protected?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.</p>

SECTION J. COMPLIANCE HISTORY REVIEW

Is/was the applicant(s) in violation of any Department regulation, order, schedule of compliance or permit or in violation of any department regulated activities within the past five years?

☒ Yes ☐ No

If yes, provide the permit number or facility name, a brief description of the violation, the compliance schedule (including dates and steps to achieve compliance) and the current compliance status. (Attach additional information on a separate sheet, when necessary)

Permit Program or Activity: Chapter 102, Chapter 105, PAG-10

Permit Number (if applicable):

1. ESG03000150001, ESG00350150001, ESG00081150001
2. E41-649
3. E-19-311, E36-947, E-38-195, E40-769, E49-336, E54-360, E58-315, E66-160, E41-667, E18-495,
4. PAG109632

Brief Description of non-compliance:

Consent Assessment of Civil Penalty, Reports past due.

Steps taken to achieve compliance

1. Consent Assessment of Civil Penalty
2. Consent Assessment of Civil Penalty. Permits being obtained to complete channel restoration
3. Consent Assessment of Civil Penalty
4. All past due reports were provided to PADEP

Date(s) compliance achieved



1. 9/20/2020
2. 8/9/2020
3. 9/20/2020
4. 12/14/2017

Current Compliance Status: ☒ In-Compliance ☐ In Non-Compliance

If in non-compliance, attach schedule for achieving compliance.

SECTION K. CERTIFICATION BY PERSON PREPARING E&S AND PCSM/SR PLANS

I do hereby certify to the best of my knowledge, information, and belief, that the Erosion and Sediment Control and PCSM/Site Restoration Plans are true and correct, represent actual field conditions, and are in accordance with the 25 Pa. Code Chapters 78/78a and 102 of the Department's rules and regulations. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Print Name Kevin C. Clark	Signature 	Professional Seal 	
Company BAI Group, LLC			
Address 2525 Green Tech Drive, Suite D, State College, PA-16803			
Phone (814) 238-2060			
Most Recent DEP Training Attended	Location		Date
e-Mail Address kclark@baigroupllc.com			

EXPEDITED REVIEW PROCESS

In addition to the certification required above, applicants using the expedited permit review process must attach an E&S and PCSM/Site Restoration Plans developed and sealed by a licensed professional engineer, surveyor or professional geologist. The plans shall contain the following certification:

I do hereby certify to the best of my knowledge, information, and belief, that the E & S Control and PCSM/SR BMPs are true and correct, represent actual field conditions and are in accordance with the 25 Pa. Code Chapters 78 / 78a and 102 of the Department's rules and regulations. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SECTION L. APPLICANT CERTIFICATION

Applicant Certification

I certify under penalty of law, as provided by 18 Pa. C.S.A. § 4904, that this application and all related attachments were prepared by me or under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my own knowledge and on inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. The responsible official's signature also verifies that the activity is eligible to participate in the ESCGP, and that the applicant agrees to abide by the terms and conditions of the permit. BMP's, E&S Plan, PPC Plan, PCSM Plan, and other controls are being or will be, implemented to ensure that water quality standards and effluent limits are attained.

I grant permission to the agencies responsible for the permitting of this work, or their duly authorized representative to enter the project site for inspection purposes. I will abide by the conditions of the permit if issued and will not begin work prior to permit issuance.

(For individuals no indication of title is necessary, choose the box below. All others proceed to the next paragraph)

☐ **Individual; proceed to signature portion.**

I hereby certify under penalty of law, as provided by 18 Pa. C.S.A. § 4904, that I am the person who is responsible for decision-making regarding environmental compliance functions for Transcontinental Gas Pipeline Company, LLC, the manager of one or more manufacturing, production, or operating facilities of the applicant and am authorized to make management decisions which govern the operation of regulated facility including having explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure the applicant's long term environmental compliance with environmental laws and regulations; and I am responsible for ensuring that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements.

(choose one of the following; not applicable for individuals):

☐ The responsible corporate officer ☐ president ☐ vice president ☐ secretary
☐ treasure of _____ Corporation/Company
Entity name

☒ The ☐ member or ☒ manager of Transcontinental Gas Pipe Line Company, LLC
Entity name

☐ The general partner of _____ partnership/LP/LLP
Entity name

☐ The principal executive officer or ranking elected official of _____ Municipality/State/Federal/other public
agency
Entity name

☐ Power of Attorney/delegation of contractual authority (documentation supporting delegation of contracting
authority must be provided) for _____
Entity name

Print Name and Title of Applicant

Print Name and Title of Co-Applicant (if applicable)

Signature of Applicant

Signature of Co-Applicant

Date Application Signed

Date Application Signed

Notarization

Sworn to and subscribed to before me this

Commonwealth of Pennsylvania

_____ day of _____, 20_____

County of _____

Notary Public

My Commission expires _____

AFFIX SEAL

SECTION M. ADDITIONAL CONTACT INFORMATION				
Contact's Last Name	First Name	MI	Phone (814) 689-1650	
Nelson	Ryan	J	FAX	
Mailing Address	City	State	ZIP + 4	
2525 Green Tech Drive, Suite B	State College	PA	16803	
e-Mail Address ryann@whmgroup.com				

Section 1-1.1 NOI Supporting Information

Project Component	Site	Site Location City	ZIP Code	County	Municipality	Total Project Area/Project Site (Acre)	Total Disturbed Area (Acre)	Latitude / Longitude	U.S.G.S. 7.5 min. Topographic Quadrangle	Receiving Waters	Chapter 93, Designated Use Stream Classification	Chapter 93, Existing Use Stream Classification	Siltation Impaired
Regional Energy Lateral	Pipeline			Luzerne	Buck, Bear Creek, Plains, Jenkins, Kingston, Dallas, Wyoming, West Wyoming, Laflin	952.63	420.67 (includes CS 515 and sites below)	41.173337, -75.671706 (eastern terminus) 41.346917, -75.946263 (western terminus)	Kingston, Pittston, Avoca, Wilkes-Barre East, Pleasant View Summit	Stony Run, Shades Creek, Little Shades Creek, Snider Run, Meadow Run, Bear Creek, Little Bear Creek, Mill Creek, Gardner Creek, Susquehanna River, Abrahams Creek, Toby Creek, Trout Brook	MF, HQ-CWF, WWF, CWF	-	No
	CY-LU-001	Wyoming	18644	Luzerne	Wyoming		16.3 (Included within above total)	41.31016, -75.84636		Abrahams Creek	CWF, MF	-	No
	CY-LU-002	Wilkes-Barre	18702	Luzerne	Laflin		11.4 (Included within above total)	41.28491, -75.79026		Gardner Creek	CWF, MF	-	No
	MLV-515RA20	Wilkes-Barre	18702	Luzerne	Bear Creek Township		0.46 (Included within above total)	41.25279, -75.75856		Mill Creek	CWF, MF	-	No
	MLV-515RA30	Wyoming	18644	Luzerne	Wyoming Borough		0.44 (Included within above total)	41.30411, -75.84662		Susquehanna River	WWF		No
	Carverton Tie-in	Wyoming	18644	Luzerne	West Wyoming Borough		3.9 (Included within above total)	41.32053, -75.87270		Abrahams Creek	CWF, MF		No
	Lower Demunds REL Tie-in	Dallas	18612	Luzerne	Dallas Township		1.7 (Included within above total)	41.34652, -75.94551		Trout Brook	CWF, MF		No
	Hildebrandt Tie-in/MLV-515RA40	Dallas	18612	Luzerne	Dallas Township		3.1 (Included within above total)	41.34692, -75.94629		Toby Creek, Trout Brook	CWF, MF		No
	Laflin Borough Stream Stabilization	Wilkes-Barre	18702	Luzerne	Laflin Borough		0.94 (Included within above total)	41.28925, -75.80209		Gardner Creek	CWF, MF	-	No
Effort Loop	Pipeline			Monroe	Ross, Chestnuthill, Tunkhannock	360.63	262.18	40.896796, -75.370606 (Southeast Terminus) 41.053413, -75.526178 (Northwest Terminus)	Blakeslee, Pocono Pines, Brodheads ville, Saylorsburg	Lake Creek, Princess Run, Weir Creek, McMichael Creek, Pohopoco Creek, Sugar Hollow Creek, Poplar Creek, Mud Run, Mud Pond Run, Tunkhannock Creek	EV, MF, HQ-CWF, CWF	EV, MF	No

Regional Energy Access Expansion Project
ESCGP-3 Permit Application
Transcontinental Gas Pipe Line Company, LLC
Section 1-1.1 NOI Supporting Information

Project Component	Site	Site Location City	ZIP Code	County	Municipality	Total Project Area/Project Site (Acre)	Total Disturbed Area (Acre)	Latitude / Longitude	U.S.G.S. 7.5 min. Topographic Quadrangle	Receiving Waters	Chapter 93, Designated Use Stream Classification	Chapter 93, Existing Use Stream Classification	Siltation Impaired
	MLV-505LD86 Sugar Hollow Valve Yard	Effort	18330	Monroe	Chestnut Hill Township		8.8 (Included within above total)	40.96775, -75.42980		Sugar Hollow Creek	CWF, MF	-	No
	CY-MO-001	Saylorsburg	18353	Monroe	Ross Township		50.1 (Included within above total)	40.89803, -75.36784		Lake Creek, Princess Run	HQ-CWF, MF, CWF	-	No
Delaware River Regulator		Easton	18040	Northampton	Lower Mt. Bethel	11.28	3.25	40.76220 -75.19653	Bangor, PA	Mud Run	CWF, MF	-	No
Mainline “A” Regulator		Washington Crossing	18977	Bucks	Lower Makefield	0.94	0.530	40.26807, -74.85712	Pennington, NJ-PA	Dyers Creek, Delaware River	MF, WWF	-	No
Compressor Station 200		Frazer	19335	Chester	East Whiteland	20.28	3.16	40.04998, -75.58589	Malvern, PA	Valley Creek	EV, MF, CWF	-	Yes
Compressor Station 515		White Haven	18661	Luzerne	Buck	952.63 (Included with Regional Energy Lateral)	24.83 (included with Regional Energy Lateral)	41.17380, -75.67118	Pleasant View Summit, PA	Shades Creek, Stony Run	HQ-CWF, MF	-	No



MUNICIPAL NOTIFICATION OF PLANNED LAND DEVELOPMENT FOR CHAPTER 102 PERMITS

PROJECT INFORMATION (COMPLETED BY APPLICANT)

Applicant Name:	Transcontinental Gas Pipe Line Company, a subsidiary of Williams Partners, L.P.	Contact Name:	Joseph Dean Manager-Permitting
Applicant Address:	2800 Post Oak Blvd, Level 11	Contact Phone:	(713) 215-3427
Applicant City, State, ZIP:	Houston, TX 77056	County:	Luzerne

Description of Proposed Land Development and Stormwater Controls:

Municipality: **Wyoming**

The Regional Energy Lateral component of the Regional Energy Access Expansion Project will consist of approximately 22.3 miles of 30-inch diameter pipeline, partially co-located with existing Transco Leidy Line-A, in Buck, Bear Creek, Plains, Jenkins, Kingston and Dallas Townships, and Laffin, Wyoming, and West Wyoming Boroughs, Luzerne County, Pennsylvania. The Regional Energy Lateral begins at existing Compressor Station 515 in Buck Township and continues westward to its terminus at Transco's existing Hildebrandt Tie-in in Dallas Township. Transco will be installing four mainline valves with appurtenant equipment, as a means to isolate gas flows along the Regional Energy Lateral. The mainline valve sites at each pipeline terminus (MLV515RA10 at Compressor Station 515 and MLV515RA40 at the Hildebrandt Tie-in) will also have pig traps (industry term for manifolds that launch or receive in-line inspection tools). The other two valve sites are proposed along the pipeline route (MLV515RA20 at Milepost 7.5 and MLV515RA30 at Milepost 14.8). Modifications at three existing pipeline interconnects are proposed to tie-in the proposed pipeline to the existing facilities. The Carverton Tie-In is located at Milepost 16.8. The Lower Demunds Tie-In is located at Milepost 22.3 and also includes a +/- 400-ft segment of 20-in pipeline to connect to the existing facility. The Hildebrandt Tie-In is located at the Regional Energy Lateral pipeline terminus and includes MLV515RA40. Two contractor yards are proposed for the Project and are located adjacent to the pipeline. CY-LU-001 is located at Milepost 15.3 and CY-LU-002 is located at Milepost 10.5. Cathodic protection equipment will be installed along the pipeline route. Deep anode ground beds are proposed at Mileposts 7.5 and 19.8, and one remote anode ground bed is proposed at Milepost 15.3. E&S and PCSM BMP's are proposed within Wyoming Borough, with PCSM BMP's proposed at the MLV515RA30 valve site.

Project Area:	84.86	acres	<input type="checkbox"/>	Phased
Disturbance:	47.85	acres		

Tax Parcel ID(s) Affected by Proposed Land Development:

Surface Waters Receiving Stormwater Discharges:

Abrahams Creek, Susquehanna River**See attached table**Discharge to: ☐ MS4 ☐ Other SS ☐ CSS

The following information was submitted to the municipality for this project:

☐ Land Development / Subdivision Plan
 ☒ E&S Plan
 ☒ PCSM Plan
 ☐ Other:

***On March 31, 2021 Transco submitted to you its E&S and PCSM Plans (Plans) as part of the ESCGP-3 permit application notification. The purpose of this notice is to let you know that Transco will be submitting an Erosion and Sediment Control Permit for Discharges of Stormwater Associated with Construction Activities Application to the PA Dept. of Environmental Protection to replace the ESCGP-3 application. Please refer to the previously submitted Plans.**

MUNICIPAL PLAN / ORDINANCE INFORMATION (COMPLETED BY MUNICIPALITY)

1. Is there an adopted municipal or multi-municipal comprehensive plan? ☐ Yes ☐ No
2. Is there an enacted municipal or multi-municipal zoning ordinance? ☐ Yes ☐ No
3. If Yes to #2, is the proposed project consistent with the ordinance? ☐ Yes ☐ No
4. Is there a municipal stormwater management ordinance? ☐ Yes ☐ No
5. If Yes to #4, is the proposed project consistent with the ordinance, without waiver? ☐ Yes ☐ No
6. If Yes to #4, indicate type of ordinance: ☐ Act 167 Model Ordinance ☐ DEP Model Ordinance (MS4s) ☐ Other

APPLICANT CERTIFICATION

I certify under penalty of law (see 18 Pa.C.S. § 4904 (relating to unsworn falsification)) that the information reported herein was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the information, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

MUNICIPAL ACKNOWLEDGEMENT

The municipality acknowledges that a permit application for the above-referenced project has been submitted to a reviewing agency and that notification requirements of Act 14 of 1984 and Acts 67, 68, and 127 of 2000 have been satisfied. The information reported herein by the municipality is true and accurate. The municipality reserves the right to comment to the reviewing agency relative to comprehensive plans, zoning, and stormwater ordinance consistency. Municipal acknowledgment of receipt of notification shall not be construed as project approval.

Joseph Dean

Applicant Name**Applicant Signature**

Manager - Permitting

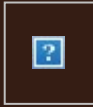
Applicant Title

07/01/2021

Date of Signature**Municipal Representative Name****Municipal Representative Signature****Municipal Representative Title****Date of Signature**

Tax Account Number/APN	Legal Desc County	Municipality
66E10 00A002000	Luzerne	Wyoming
67E10 00A002000	Luzerne	Wyoming
67F10 00A001000	Luzerne	Wyoming
67F10 00A006000	Luzerne	Wyoming
67F10 00A04A000	Luzerne	Wyoming
67F10NE100113B000	Luzerne	Wyoming
67F10NE100113G000	Luzerne	Wyoming
67F10NE100113K000	Luzerne	Wyoming
67F10NE100113K000	Luzerne	Wyoming
67F10NE100113L000	Luzerne	Wyoming
67F10NE100113M000	Luzerne	Wyoming
67F10NE100113P000	Luzerne	Wyoming
67F10NE100113R000	Luzerne	Wyoming
67F10NE2003014000	Luzerne	Wyoming
67F10NE2003015000	Luzerne	Wyoming
67F10NE2003026000	Luzerne	Wyoming
67F10NE200323A000	Luzerne	Wyoming
67F10NE2004025000	Luzerne	Wyoming
67F10NE200424B000	Luzerne	Wyoming

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March 31, 2021

UPS TRACKING (1Z8797VV0391482285)

Wyoming Borough Supervisors
277 Wyoming Avenue
Wyoming, PA 18644

Re: Regional Energy Access Expansion Project– Regional Energy Lateral and Compressor Station 515
Pennsylvania Acts 14, 67, 68, and 127 Notification
Wyoming Borough, Luzerne County, Pennsylvania

Dear Borough Supervisors:

This municipal notice, under the requirements of Act 14, 97 P.S. § 510-5, is to inform you that Transcontinental Gas Pipe Line Company, LLC (Transco), a subsidiary of The Williams Companies, Inc. (Williams) is applying for coverage under the Erosion and Sediment Control General Permit (ESCGP-3) for Earth Disturbance Associated with Oil & Gas Exploration, Production, Processing or Treatment Operations or Transmission Facilities from the Pennsylvania Department of Environmental Protection (DEP).

1) Project Name: Regional Energy Access Expansion Project – Regional Energy Lateral and Compressor Station 515

2) Project Description: Transco, indirectly owned by The Williams Companies, Inc. (Williams), is seeking authorization from the Federal Energy Regulatory Commission (FERC or Commission) under Section 7(c) of the Natural Gas Act and Part 157 of the Commission's regulations, to construct, own, operate, and maintain the proposed Project facilities. The Project is an expansion of Transco's existing natural gas transmission system that will enable Transco to provide an incremental 829,400 dekatherms per day (Dth/d) of year-round firm transportation capacity from the Marcellus Shale production area in northeastern Pennsylvania (PA) to multiple delivery points along Transco's Leidy Line in PA, Transco's mainline at the Station 210 Zone 6 Pooling Point in Mercer County, New Jersey (NJ) and multiple delivery points in Transco's Zone 6 in NJ, PA, and Maryland (MD).

The Regional Energy Lateral component of the Project will consist of approximately 22.3 miles of 30-inch diameter pipeline, partially co-located with existing Transco Leidy Line-A, in Buck, Bear Creek, Plains, Jenkins, Kingston and Dallas Townships, and Laflin, Wyoming, and West Wyoming Boroughs, Luzerne County, Pennsylvania. The Regional Energy Lateral begins at existing Compressor Station 515 in Buck Township and continues westward to its terminus at Transco's existing Hildebrandt Tie-in in Dallas Township. Transco will be installing four mainline valves with appurtenant equipment, as a means to isolate gas flows along the Regional Energy Lateral. The mainline valve sites at each pipeline terminus (MLV515RA10 at Compressor Station 515 and MLV515RA40 at the Hildebrandt Tie-in) will also have pig traps (industry term for manifolds that launch or receive in-line inspection tools). The other two valve sites are proposed along the pipeline route (MLV515RA20 at Milepost 7.5 and MLV515RA30 at Milepost 14.8). Modifications at three existing pipeline interconnects are proposed to tie-in the proposed pipeline to the existing facilities. The Carverton Tie-In is located at Milepost 16.8. The Lower Demunds Tie-In is located at Milepost 22.3 and also includes a +/- 400-ft segment of 20-in pipeline to connect to the existing facility. The Hildebrandt Tie-In is located at the Regional Energy Lateral pipeline terminus and includes MLV515RA40. Two contractor yards are proposed for the Project and are located adjacent to the pipeline. CY-LU-001 is located at Milepost 15.3 and CY-LU-002 is located at Milepost 10.5. Cathodic protection equipment will be installed along the pipeline route. Deep anode ground beds are proposed at Mileposts 7.5 and 19.8, and one remote anode ground bed is proposed at Milepost 15.3.

The existing Compressor Station 515 component of the Project is located at the eastern terminus of the Regional Energy Lateral in Buck Township, Luzerne County. Proposed at this facility is the addition of two gas-fired turbine driven compressor units with 63,742 nominal HP at ISO conditions and modification of three existing compressors to support the Project and to accommodate the abandonment and replacement of approximately 17,000 HP from five existing gas-fired reciprocating engine driven compressors and increase the certificated station compression by 46,742 HP. One Mainline Valve will be installed at this facility (MLV515RA10).

3) Applicant Name: Transcontinental Gas Pipe Line Company, LLC's (Transco), a subsidiary of Williams Partners L.P. (Williams)

4) Applicant Contact: Joseph Dean
Manager, Permitting
2800 Post Oak Blvd, Level 11
Houston, TX 77056
(713) 215-3427

5) Site Location: The proposed Project is located on the Kingston, Pittston, Wilks-Barre East, Pleasant View Summit, Pennsylvania, 7.5 Minute USGS quadrangle. The Project is partially co-located with an existing pipeline right-of-way. The eastern terminus of the Regional Energy Lateral is located at: 41°10'24.037" 75°40'18.141"W, and is also the location of Compressor Station 515. The western pipeline terminus: 41°20'48.869"N, 75°56'46.642"W.

6) Municipality / County: Buck, Bear Creek, Plains, Jenkins, Kingston, and Dallas Townships, Wyoming, West Wyoming, and Laflin Boroughs, Luzerne County

Act 14, which amended the Commonwealth's Administrative Code (71 P.S. § 510-5), requires every applicant for a new, amended, or revised permit to give written notice to each municipality (borough, township) and county government in which the facility is located. The municipality and county government must receive the written notice at least thirty (30) - days before DEP may issue or deny approval of coverage.

Enclosed is a complete copy of the Notice of Intent (NOI) completed for the project as well as copies of the erosion and sediment control plan and post construction stormwater management plan drawings.

Sincerely,

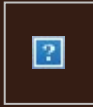


Ryan J. Nelson, PWS
WHM Consulting, LLC

Enclosures:

NOI Form
Erosion and Sediment Control Plan Drawings
Post Construction Stormwater Management Plan Drawings

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF WATER PROGRAMS
OFFICE OF OIL AND GAS MANAGEMENT

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**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT
CONTROL GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH
OIL AND GAS EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT
OPERATIONS OR TRANSMISSION FACILITIES**

READ THE INSTRUCTIONS PROVIDED IN THIS PERMIT APPLICATION PACKAGE BEFORE COMPLETING THIS FORM. PLEASE PRINT OR TYPE INFORMATION IN BLACK OR BLUE INK.

SECTION A. APPLICATION TYPE

Check one:

NEW ☒ **RENEWAL** ☐ **MAJOR MODIFICATIONS (Provide ESCGP number)** ☐

PHASED ☐ (check only if applicable; *note: Most projects are not submitted as phased projects*)

Check one: **EXPEDITED** ☐ **STANDARD** ☒

If an Expedited Review Process being requested, be advised that the Expedited Review is not available for all projects. Refer to Section D - Expedited Review Process of the ESCGP-3 NOI Instructions to determine if the project is eligible.

SECTION B. CLIENT INFORMATION

Applicant's Last Name (If applicable)	First Name	MI	Telephone No.
Organization Name or Registered Fictitious Name Transcontinental Gas Pipe Line Company, LLC (Contact: Joseph Dean)			Telephone No. (713) 215-3427
DEP Client ID No.			
Headquarters Mailing Address 2800 Post Oak Blvd, Level 11	City Houston	State TX	ZIP Code 77056
Email Address Joseph.Dean@williams.com			
Co-Applicant's Last Name (If applicable)	First Name	MI	Telephone No.
Organization Name or Registered Fictitious Name 			Telephone No.

Address	City	State	ZIP Code
Email Address			

SECTION C. SITE INFORMATION					
Is there an existing ESCGP associated with this site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, Permit No. _____					
Has a well permit application been submitted for this site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, Permit No. _____					
Does this site have a 911 address? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, <u>provide site location address.</u>					
Site Name Regional Energy Access Expansion Project					
Site Location See Attachment 1-1.1- NOI Supporting Information			Site No. (if another permit has been issued for the site)		
Site Location – City See Attachment 1-1.1- NOI Supporting Information			State PA	ZIP Code	
Detailed Written Directions to Site See Attachment 1-1.1- NOI Supporting Information for locations of all project sites					
Primary Location	County Luzerne, Northampton, Bucks, Chester, and Monroe	Municipality Buck, Bear Creek, Plains, Jenkins, Kingston, Lower Mt. Bethel, Ross, Chestnut Hill, Tunkhannock, Lower Makefield, East Whiteland and Dallas Townships Wyoming, West Wyoming, and Laflin Boroughs	City <input type="checkbox"/>	Boro <input checked="" type="checkbox"/>	Twp. <input checked="" type="checkbox"/>
SECTION D. EXPEDITED REVIEW					
I. Expedited Review Eligibility					
1. Is any part of the project in the watershed of a surface water with an existing or designated use of exceptional value or high quality pursuant to Chapter 93 (relating to water quality standards), in an exceptional value wetland in accordance with 25 Pa. Code § 105.17, or in the watershed of an impaired surface water where the cause of the impairment is identified as siltation?			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
2. Will the project in which the well pad will be constructed be in or on a floodplain?			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
3. Is any earth disturbance located or proposed to be located on land known to be contaminated by the release of regulated substances as defined in Section 103 of Act 2, 35 P.S. § 6026.103?			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
4. Will naturally occurring geologic formations or soil conditions provide hazards to the project or surrounding environment or have the potential to cause or contribute to pollution when disturbed?			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
5. Do any unresolved non-compliance issues exist with the applicant or the facility?			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
6. Is the project a transmission project?			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

<p>If yes to any of the above questions the project is not eligible for Expedited Review; If the project is eligible for Expedited Review, all the following items must be completed.</p>	
<p>II. Expedited Review Process</p>	
1. Is the technically and administratively complete and accurate NOI package prepared and certified by a licensed professional?	<input type="checkbox"/> Yes <input type="checkbox"/> No
2. Are E&S and PCSM/Site Restoration Plan drawings and narrative prepared and sealed by a licensed professional? <i>(Include interim restoration details when needed)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No
3. Include a Resource Delineation Report and answer the following questions: (If the answer to question a. is "Yes" then skip to #4. If the answer to a. is "No" the applicant must answer "Yes" to at least one of the questions, b. through d. to be eligible for expedited review.)	
a. Were all wetland resources delineated during the growing season?	<input type="checkbox"/> Yes <input type="checkbox"/> No
b. If not during the growing season, was a follow-up visit conducted during the growing season to verify/adjust boundaries and look for potentially missed resources?	<input type="checkbox"/> Yes <input type="checkbox"/> No
c. Was a quality assurance field review conducted at a later date by an independent qualified wetland professional to verify boundaries and look for potentially missed resources? (If yes, attach Quality Assurance Field Review Report)	<input type="checkbox"/> Yes <input type="checkbox"/> No
d. Was a Jurisdictional Determination (JD) or Preliminary JD conducted by the US Army Corps of Engineers on the whole project? (If yes, attach Preliminary or Jurisdictional Determination Report)	<input type="checkbox"/> Yes <input type="checkbox"/> No
4. If applicable, have you included PNDI clearance letters or other documentation from applicable resource agencies?	<input type="checkbox"/> Yes <input type="checkbox"/> No
5. If the project site contains, is along, or within 100 feet of a river, stream, creek, lake, pond or reservoir, will you establish new or preserve existing riparian forest buffer at least 100 feet in width between the top of streambank or normal pool elevation of a lake, pond or reservoir and areas of earth disturbances. If no, will a waiver be obtained? <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
6. Name of Licensed Professional	
Company	
Address	
Phone	

SECTION E. PROJECT INFORMATION																	
1. Total Project Area/Project Site (Ac):	1,346 (Also see Attachment 1-1.1)	Total Disturbed Area (Ac):	689.8 (Also see Attachment 1-1.1)														
Increased disturbed acreage <i>(for permit modification only)</i>																	
Fee: <i>(For additional information regarding fees, refer to NOI Instructions #3 Permit NOI Filing Fees.)</i>			\$ \$500 (Filing Fee), \$69,000 (Disturbed Acre Fee)														
2. Project Name: Regional Energy Access Expansion Project																	
3. Project Type (Check all that apply) <table border="0" style="width: 100%;"> <tr> <td><input type="checkbox"/> Oil/Gas Well ¹</td> <td><input checked="" type="checkbox"/> Transmission Facility</td> </tr> <tr> <td><input type="checkbox"/> Gathering Facility</td> <td><input type="checkbox"/> Processing Facility</td> </tr> <tr> <td><input type="checkbox"/> Treatment Facility</td> <td><input type="checkbox"/> Well Development Impoundment</td> </tr> <tr> <td><input checked="" type="checkbox"/> Compressor Station</td> <td><input type="checkbox"/> Non-FERC regulated Transmission Facility</td> </tr> <tr> <td><input checked="" type="checkbox"/> Pipeline</td> <td><input type="checkbox"/> Ground/Surface Water Withdrawal Site</td> </tr> <tr> <td><input type="checkbox"/> Storage Field Facility</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Other</td> <td></td> </tr> </table>				<input type="checkbox"/> Oil/Gas Well ¹	<input checked="" type="checkbox"/> Transmission Facility	<input type="checkbox"/> Gathering Facility	<input type="checkbox"/> Processing Facility	<input type="checkbox"/> Treatment Facility	<input type="checkbox"/> Well Development Impoundment	<input checked="" type="checkbox"/> Compressor Station	<input type="checkbox"/> Non-FERC regulated Transmission Facility	<input checked="" type="checkbox"/> Pipeline	<input type="checkbox"/> Ground/Surface Water Withdrawal Site	<input type="checkbox"/> Storage Field Facility		<input type="checkbox"/> Other	
<input type="checkbox"/> Oil/Gas Well ¹	<input checked="" type="checkbox"/> Transmission Facility																
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<input checked="" type="checkbox"/> Compressor Station	<input type="checkbox"/> Non-FERC regulated Transmission Facility																
<input checked="" type="checkbox"/> Pipeline	<input type="checkbox"/> Ground/Surface Water Withdrawal Site																
<input type="checkbox"/> Storage Field Facility																	
<input type="checkbox"/> Other																	
¹ If Oil/Gas Well; is the well conventional or unconventional? <input type="checkbox"/> Conventional <input type="checkbox"/> Unconventional																	

Project Description

Transco, indirectly owned by The Williams Companies, Inc. (Williams), is seeking authorization from the Federal Energy Regulatory Commission (FERC or Commission) under Section 7(c) of the Natural Gas Act and Part 157 of the Commission's regulations, to construct, own, operate, and maintain the proposed Project facilities

The Project is an expansion of Transco's existing natural gas transmission system that will enable Transco to provide an incremental 829,400 dekatherms per day (Dth/d) of year-round firm transportation capacity from the Marcellus Shale production area in northeastern Pennsylvania (PA) to multiple delivery points along Transco's Leidy Line in PA, Transco's mainline at the Station 210 Zone 6 Pooling Point in Mercer County, New Jersey (NJ) and multiple delivery points in Transco's Zone 6 in NJ, PA, and Maryland (MD). The Project will consist of the following components:

- Approximately 22.3 miles of 30-inch-diameter pipeline partially collocated with Transco's Leidy Line A from milepost (MP) 0.00 to MP 22.32 in Luzerne County, PA (Regional Energy Lateral);
 - Approximately 13.8 miles of 42-inch-diameter pipeline collocated with Transco's Leidy Line System from MP 43.72 to MP 57.50 in Monroe County, PA (Effort Loop);
 - New gas-fired turbine driven compressor station identified as Compressor Station 201 with 11,107 nominal horsepower (HP) at International Organization of Standardization (ISO) conditions in Gloucester County, NJ;
 - Addition of two gas-fired turbine driven compressor units with 31,800 nominal HP at ISO conditions at existing Compressor Station 505 in Somerset County, NJ, to accommodate the abandonment and replacement of approximately 16,000 HP from eight existing internal combustion engine-driven compressor units and increase the certificated station compression by 15,800 HP;
 - Addition of two gas-fired turbine driven compressor units with 63,742 nominal HP at ISO conditions and modification of three existing compressors at existing Compressor Station 515 in Luzerne County, PA to support the Project and to accommodate the abandonment and replacement of approximately 17,000 HP from five existing gas-fired reciprocating engine driven compressors and increase the certificated station compression by 46,742 HP;
 - Uprate and rewheel two existing electric motor-driven compressor units at existing Compressor Station 195 in York County, PA to increase the certificated station compression by 5,000 HP and accommodate the abandonment of two existing gas-fired reciprocating engine driven compressors which total approximately 8,000 HP of compression;
 - Modifications at existing Compressor Station 200 in Chester County, PA;
 - Uprate one existing electric motor-driven compressor unit at Compressor Station 207 in Middlesex County, NJ to increase the certificated station compression by 4,100 HP;
 - Modifications to three (3) existing pipeline tie-ins in PA (Hildebrandt Tie-in, Lower Demunds REL Tie-in, and Carverton Tie-in);
 - Addition of regulation controls at an existing valve setting on Transco's Mainline "A" in Bucks County, PA (Mainline A Regulator);
 - Modifications at the existing Delaware River Regulator in Northampton County, PA;
 - Modifications at the existing Centerville Regulator in Somerset County, NJ;
 - Modifications to the existing valves and piping at the Princeton Junction (Station 210 Pooling Point) in Mercer County, NJ;
 - Modifications to three (3) existing delivery meter stations in NJ (Camden M&R Station, Lawnside M&R Station, and Mt. Laurel M&R Station);
 - Modifications to one (1) existing delivery meter station in MD (Beaver Dam M&R Station);
 - Contractual changes (no modifications) at ten (10) existing delivery meter stations in PA and NJ (Algonquin-Centerville Meter Station, Post Road Meter Station, New Village Meter Station, Spruce Run Meter Station, Marcus Hook Meter Station, Ivyland Meter Station, Repaupo Meter Station, Morgan Meter Station, Lower Mud Run Meter Station, and Chesterfield Meter Station);
 - Additional ancillary facilities, such as mainline valves (MLVs), cathodic protection, communication facilities, and internal inspection device (e.g., pig) launchers and receivers in PA; and
 - Existing, improved, and new access roads and contractor yards/staging areas in PA, NJ, and MD.
- Provide the date of pre-application meeting (if conducted with the Department) 04/27/20, 07/09/20, 09/04/20, 09/30/20, 12/15/20, 12/16/20, 01/06/21, 02/05/21

4. Provide the latitude and longitude coordinates for the center of the project. The coordinates should be in Decimal degrees and North American Datum 1983. The coordinates must meet the current DEP policy regarding locational accuracy. For linear projects provide the project's termini. See Attachment 1-1.1

Latitude (DD) . Latitude (DD) . Horizontal Collection Method: <input type="checkbox"/> GPS <input checked="" type="checkbox"/> Interpolated from U.S.G.S. Topographic Map <input type="checkbox"/> DEP's eMAP	Longitude (DD) - . Longitude (DD) - .				
5. U.S.G.S. 7.5 min. topographic quadrangle Name (See Attachment 1-1.1) <i>(Include a copy of the project area on the 7.5 min quad map)</i>					
6. Will the project be conducted as a phased permit project? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Include Master Site Plan Estimated Timetable for Phased Projects. <input type="checkbox"/> Additional sheet(s) attached.					
Phase No. or Name	Description	Total Area	Disturbed Area	Start Date	End Date
7. List existing and previous land use for a minimum of the previous 5 years. (See Section 2 of this ESCGP-3 Application)					
8. Other Pollutants: Will the stormwater discharge contain pollutional substances other than sediment? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
9. Will fuels, chemicals, solvents, other hazardous waste or materials be used or stored on site during earth disturbance activities or will Horizontal Directional Drilling (HDD) activities be conducted? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If yes, Preparedness, Prevention and Contingency (PPC) Plan must be maintained on site during earth disturbance. See NOI Instructions, E.9 PPC Plan Guidance for further information.)</i>					
10. Is the project in the watershed of an impaired surface water where the cause of the impairment is identified as siltation? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (See Section 2-5 of this ESCGP-3 Application) <i>(If yes, show how the project will not result in a net change in volume, rate or water quality. See section I below, and E.10 of NOI instructions.)</i>					
11. Are there potentially hazardous naturally occurring geological or soil conditions in any portion of the project or surrounding area? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, do the potentially hazardous geologic or soil conditions have the potential to cause or contribute to pollution as a result of the proposed earth disturbance activities? If no, provide an explanation. If yes, Geologic Hazard Mitigation Plan must be attached and explain where in this application details are provided.					
12. Has the Act 14 Municipal Notification and proof of receipt of notification been attached to the NOI? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If not, the NOI is not complete, see E.12 and #4 Municipal Notification in the NOI Instructions for additional guidance.)</i>					
13. Has the PNDI receipt been attached to the NOI? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If not, the NOI is not complete, see E.13 and #5 PNHP in the NOI Instructions for additional guidance.)</i>					
14. Have the E&S Plan and PCSM/SR Plan been planned and designed to be consistent? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
15. Have existing and/or proposed Riparian Forest Buffers been identified? Yes <input checked="" type="checkbox"/> N/A <input type="checkbox"/> <i>(If yes, they must be shown on the E&S Plan as well as the PCSM/SR Plans.)</i>					
16. Have antidegradation implementation requirements for special protection waters been addressed? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> <i>(If yes, antidegradation requirements must be included in the plan.)</i>					

17. Has the seasonal high groundwater level been identified and 20-inch separation established at all excavation locations for pits for conventional operations and Well Development Impoundments for unconventional operations?

Yes ☐ No ☐ N/A ☒

[illegible]

	<input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired <input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired	<input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired <input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired
Secondary Receiving Water	Secondary Chapter 93, Designated Use	Secondary Existing Use
Name of Municipal or Private Separate Storm Sewer Operator, if applicable.		
Non-Surface Receiving Water: (include off-site discharges)		

SECTION F. EROSION AND SEDIMENT CONTROL (E&S) PLAN
See the attached Instructions for additional guidance with E&S Plans

Erosion and Sediment Control Plan BMPs should be designed to minimize accelerated erosion and sedimentation through limiting the extent and duration of earth disturbance, protection of existing drainage and vegetation, limiting soil compaction and controlling the generation of increased runoff. The Department recommends the use of the *Pennsylvania Erosion & Sedimentation Pollution Control Program Manual (E&S Manual)* (363-2134-008) to achieve this goal. The E&S Plan must meet the requirements of Pa. Code § 102.4(b) and submitted with the NOI. Also, see section 2. of the NOI instruction for detailed information on completing the E&S plan and additional requirements.

a. E&S Plan Summary

Provide a summary of proposed E&S BMPs and their performance to manage E&S for the project.

Typical BMPs provided along the pipeline Right-Of-Way includes waterbars, trench plugs, compost filter socks, compost sediment traps, rock filter outlets, erosion control blankets, rock construction entrances, temporary equipment bridges, timber mats, diversion channels, level spreaders, mulch and seed. An appropriate sediment removal device (filter bag, dewatering structure) and well-vegetated area will be utilized for trench dewatering. In HQ, EV watersheds, appropriate Antidegradation Best Available Combination of Technologies (ABACT) BMPs will be utilized. Additional information regarding all the proposed BMPs are provided in the Erosion and Sedimentation Control and Site Restoration Plans of respective project components (Section 2 of this ESCGP-3 Application).

b. E&S Plan BMP Design

Check those that apply:

- ☒ E&S Plan is designed using BMPs in the *E&S Manual*.
- ☐ E&S Plan is designed using an alternative BMP or design standard approved by DEP.

Note: NOI packages submitted with alternate BMPs not approved by the Department will be returned to the Applicant.

c. Do you have any information regarding riparian buffer which differs from Section G, Riparian Buffer?

Yes ☐ No ☒

Explain:

d. Thermal Impacts Analysis

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

Thermal impacts associated with Regional Energy Access Expansion Project will be avoided to the maximum extent possible. Minimum permanent changes in land cover are being proposed for constructing the pipeline facilities. Runoff from impervious areas added during the project will be suitably routed to Stormwater BMPs. Gravel will be used for access roads wherever practicable. To avoid thermal impacts arising from clearing and grading, removal of vegetation will be limited to only that necessary for construction and construction Right-Of-Way will be limited to 75 feet in wetlands and floodways where practical. Once construction activities are complete, disturbed areas will be restored to pre-construction contours and seeded as described in Erosion and Sediment Control and Site Restoration Plans. Temporary workspaces will be restored back with woody and herbaceous species. Thermal impacts assessments corresponding to each project component including pipelines and aboveground facilities are given in Section 2 and 3 of this ESCGP-3 Application.

e. Off-Site Discharge Analysis

Does the activity propose any off-site discharges to areas other than surface waters? ☒ Yes ☐ No

If yes, it is the applicant's responsibility to ensure that they have legal authority for any off-site discharge to neighboring properties.

The applicant must provide a demonstration in both E&S and PCSM/SR plans that the discharge will not cause erosion, damage, or a nuisance to off-site properties.

See Offsite Discharge Analysis Sections in E&S Narratives

SECTION G. RIPARIAN BUFFER

1. Will you be protecting, converting or establishing a voluntary riparian forest buffer as part of this project?
☐ Yes ☒ No
If yes, as part of the PCSM/SR Plan, provide a Buffer Management Plan.
2. Will proposed earth disturbance activities be conducted in an EV or HQ watershed AND within 150 feet of a perennial or intermittent river, stream, or creek, or lake, pond, or reservoir? ☒ Yes ☐ No
If no, proceed to the next section/module.
3. Does this project qualify for an exception (see § 102.14(d)(1))? ☒ Yes ☐ No
If yes, indicate below the type of project for which the exception applies by marking the appropriate box.
☐ Oil and gas activities for which site reclamation or restoration is part of the permit authorization in Chapter 78 and 78a.
☒ Road maintenance activities.
☐ The repair or maintenance of existing pipelines and utilities.
☐ Other (see §102.14(d)(1))
If exceptions are checked, explain how existing riparian buffer will be undisturbed to the extent practicable. Provide a demonstration that the requirements of §102.14(b) are met, or provide the necessary information to request a riparian buffer waiver.
4. Are you requesting a riparian buffer waiver for this project (see § 102.14(d)(2))? ☒ Yes ☐ No
If yes, indicate below the type of project for which you are requesting a waiver by marking the appropriate box.
☒ Linear project that may include pipelines, public roadways, rail lines, or utility lines.
☒ Project is of a temporary nature where the site will be fully restored to its preexisting conditions during the ESCGP permit term.
☒ Project where compliance with mandatory riparian buffers is not appropriate or feasible due to site characteristics or existing structures at the project site.
☐ Other (see §102.14(d)(2)):
If waivers are checked, explain how existing riparian buffers will be undisturbed to the extent practicable.
Note: If "Yes" to #2 **AND** "No" to #3 and #4, provide an attachment to demonstrate how the requirements of §102.14 are met.

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PCSM) AND/OR SITE RESTORATION(SR) PLAN

See NOI Instructions for additional guidance with PCSM Plans

PCSM/SR BMPs should be designed to use natural measures to eliminate pollution, infiltrate runoff, not require extensive construction/maintenance, promote pollutant reduction, and preserve the integrity of stream channels. All PCSM/SR BMPs proposed in the PCSM/SR Plan must be designed in accordance with Ch. 102, Ch. 78a for unconventional operations, Ch. 78 for conventional operations and the *Pennsylvania Stormwater Best Management Practices Manual (Stormwater BMP Manual)* (363-0300-002). If alternate design criteria are utilized for the proposed project, they must have prior approval by the Department, or the NOI Application will be returned to the Applicant.

After construction is completed, how much of the entire disturbed area will be restored to meadow in good condition or better, or existing conditions? ☐ All ☒ Partial ☐ None

Include PCSM narrative and drawings for remaining impervious area. Also include a map showing the proposed contours of the site restoration plan.

If there are additional stages of the project prior to permit termination or expiration, list the stages and provide the documents required by subsection 'a' to section 'g' for each stage (e.g. partial restoration or changes to the amount of compacted areas, gravel, and/or impervious areas). Upload a narrative for each additional stage in addition to the drawings.

EXAMPLE

Stage No	Stage Name	PCSM Plan	SR Plan
Stage 1		<input type="checkbox"/>	<input type="checkbox"/>
Stage 2		<input type="checkbox"/>	<input type="checkbox"/>
Stage 3		<input type="checkbox"/>	<input type="checkbox"/>
Stage 4		<input type="checkbox"/>	<input type="checkbox"/>

Act 167 Consistency. Check those that apply.

Is there an Act 167 Plan? ☒ Yes ☐ No

☒ The attached PCSM/SR Plan is consistent with an applicable approved Act 167 Plan.

Complete the following for all approved Act 167 Stormwater Management Plans. (Use additional sheets if necessary)

Act 167 Plan Name _____ Date Adopted _____ Consistency Letter Included ☐

Luzerne County Stormwater August 18, 2010 Verification Report Included ☒

Management Ordinance

Valley Creek Watershed Stormwater February 04, 2011

Management Plan

Note: A consistency letter is not required if a verification report is provided. See NOI Instructions. The PCSM/SR Plan must satisfy either sub paragraph 1, 2, or 3 below. Check those that apply.

1. ☒ Act 167 Plan approvals on or after January 2005 – The attached PCSM/SR Plan, in its entirety, is consistent with all requirements pertaining to rate, volume, and water quality from an Act 167 Stormwater Management Plan approved by DEP on or after January 2005. Box 1 must be checked if a current, DEP approved Act 167 plan exists.
2. ☒ The PCSM/SR Plan meets the standard design criteria from sections 102.8(g)(2) and (3) and the *Stormwater BMP Manual*. For projects involving oil and gas activities authorized by a permit issued under Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure, post construction stormwater management requirements are met for all areas that are restored to preconstruction conditions or to a condition of meadow in good condition or better. *[Note: PCSM plans must meet both the volume and rate requirements in the regulations, which are provided in the 2 sections mentioned in this paragraph].*
3. ☐ Alternative Design Standard – The attached PCSM/SR Plan was developed using approaches as provided in 102.8(g)(2)(iv) and 102.8(g)(3)(iii). Demonstrate/explain in the space provided below how this standard will be either more protective than what is required in 102.8(g)(2) and 102.8(g)(3) or will maintain and protect existing water quality and existing and designated uses.

PCSM/SR BMP Alternative Standards:

Has the alternative BMP or design standard been approved by the Department?

☐ Yes

☐ No – Do not submit the ESCGP-3 application and see Section (H) of the NOI Instructions concerning the alternative BMP approval process.

Water Quality Compliance:

Does the PCSM/SR plan comply with requirements for volume control? ☒ Yes ☐ No

If yes, is at least 90% of the disturbed area controlled by a PCSM BMP? ☒ Yes ☐ No

If yes, do you have the Standard PCSM Worksheet # 10 attached to show water quality compliance has achieved?

☒ Yes ☐ No

If no, attach Standard PCSM Worksheets # 12 and #13 to show water quality compliance has achieved.

If PCSM/SR plan is not complying with the requirements for volume control, attach Standard PCSM Worksheets # 11, # 12 and #13 to show water quality compliance has achieved.

a. PCSM/SR Plan Summary

Provide a summary of proposed BMPs and their performance to manage PCSM/SR for the project.

Along the pipeline Right-Of-Way, typical E&S BMPs such as waterbars and erosion control blanket will be left in place as part of site restoration. After construction activities are completed, temporary workspaces will be restored to meadow in good condition or better than existing conditions. For the aboveground facilities, PCSM BMPs such as infiltration basins, diversion channels and vegetated swales will be used and left in place as part of site restoration. Additional information regarding all the proposed BMPs are provided in the Post-Construction Stormwater Management Plans of respective project components (Section 3 of this ESCGP-3 Application).

Check all that apply ☒ PCSM BMPs ☒ SR BMPs

b. Do you have any information regarding riparian buffer which differs from what was submitted in the Section G, Riparian Buffer?

☐ Yes ☒ No

Explain:

c. Thermal Impacts Analysis

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

Runoff collected in PCSM BMPs such as infiltration basins will mitigate thermal impacts from post construction stormwater. Runoff collected in infiltration basins are discharged to receiving waters are not expected to be retained for more than 24 hours. Minimum permanent changes in land cover are being proposed for constructing the pipeline facilities. Gravel will be used for access roads wherever practicable. Removal of trees and riparian vegetation and addition of impervious surfaces will be limited to only that necessary for construction. Once construction activities are complete, disturbed areas will be restored to pre-construction contours and seeded as described in Erosion and Sedimental Control and Site Restoration Plans. Temporary workspaces will be restored back with woody and herbaceous species. Thermal impacts assessments corresponding to each project component including pipelines and aboveground facilities are given in Section 2 and 3 of this ESCGP-3 Application.

d. Off-Site Discharge Analysis.

Does the activity propose any off-site discharges to areas other than surface waters? ☒ Yes ☐ No

If yes, it is the applicant's responsibility to ensure that they have legal authority for any off-site discharge to neighboring properties.

The Applicant must provide a demonstration in both the E&S and PCSM/SR Plans that the discharge will not cause erosion, damage, or a nuisance to off-site properties.

See Offsite Discharge Analysis Sections in PCSM Narratives

NOI Section H. POST CONSTRUCTION STORMWATER MANAGEMENT (PCSM) PLANS

Summary Calculations of Post Construction Stormwater BMPs

1. Regional Energy Lateral Pipeline - MLV-515RA20
2. Regional Energy Lateral Pipeline - MLV-515RA30
3. Regional Energy Lateral Pipeline - Carverton Tie-in
4. Regional Energy Lateral Pipeline - Lower Demunds REL Tie-in
5. Regional Energy Lateral Pipeline – Hildebrandt Tie-in/MLV-515RA40
6. Effort Loop Pipeline - MLV-505LD86
7. Compressor Station 200
8. Compressor Station 515

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - MLV-515RA20 - Zenker Valve Yard

e. Summary Table for Supporting Calculation and Measurement Data
(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Mill Creek			
Volume Control design storm frequency 2-year Rainfall amount 2.95 inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.19	+0.19
Volume of stormwater runoff (acre- feet) without planned stormwater BMPs	0.04	0.06	+0.02
Volume of stormwater runoff (acre- feet) with planned stormwater BMPs		0.03	-0.01
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	3.51	3.22	-0.29
2) 10-Year/24-Hour	6.82	6.17	-0.65
3) 50-year/24-Hour	11.88	11.12	-0.76
4) 100-year/24-Hour	14.91	14.91	-0.00

f. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Vegetated Swale	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input checked="" type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ <u>1,396cf(2-yr);</u> <u>6,186cf(100-yr)</u>	_____ _____ <u>0.28</u>
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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g. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Dry Extended Detention Basin area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Channels to ensure they have been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Dry Extended Detention Basin to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Dry Extended Detention Basin the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. At completion of Collection Channel C1 to ensure it has been constructed to the proposed line and grade, the specified lining material has been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
6. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to Collection Channel C1.
7. For final inspection of constructed BMPs.
8. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL GENERAL PERMIT (ESGCP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR TRANSMISSION FACILITIES

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - MLV-515RA30 - Wyoming Valve Yard

b. Summary Table for Supporting Calculation and Measurement Data (See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Susquehanna-Solomon Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>2.57</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.24	+0.24
Volume of stormwater runoff (acre- feet) without planned stormwater BMPs	0.03	0.06	+0.03
Volume of stormwater runoff (acre- feet) with planned stormwater BMPs		0.03	-0.00
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.22	0.02	-0.20
2) 10-Year/24-Hour	0.68	0.03	-0.65
3) 50-year/24-Hour	1.52	0.06	-1.46
4) 100-year/24-Hour	2.06	0.07	-1.99

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Soil Amendment	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>451cf(2-yr);</u> <u>2,511cf(100-yr)</u> _____ _____ _____ _____	_____ <u>0.21</u> _____ _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input checked="" type="checkbox"/> Other <u>Vegetated Swale</u>	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	 <u>1,009cf(2-yr):</u> <u>4,264cf(100-yr)</u>	 <u>0.49</u>
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Vegetated Swale area has been flagged and fence erected to prevent access to the area.
2. At the beginning of construction of the Vegetated Swale to ensure the infiltration area has not been compacted by construction activities.
3. During construction of the Vegetated Swale the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
4. At completion of Collection Channel C1 to ensure it has been constructed to the proposed line and grade, the specified lining material has been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the infiltration berm.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - Carverton Tie-In

<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i> The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Abrahams Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>2.61</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.03	0.11	+0.08
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.02	0.03	+0.01
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.00	-0.02
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.46	0.00	-0.46
2) 10-Year/24-Hour	0.91	0.00	-0.91
3) 50-year/24-Hour	1.61	0.00	-1.61
4) 100-year/24-Hour	2.01	0.00	-2.01

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>1,280cf (2-yr);</u> <u>4,445cf(100-yr)</u>	_____ _____ _____ _____ <u>0.26</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. At the beginning of construction to ascertain the Infiltration Berm area has been flagged and fence erected to prevent access to the area.
2. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the infiltration berm.
3. At the beginning of construction of the Infiltration Berm to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the infiltration berm the licensed professional will observe that the berm is constructed in accordance with the plans and specifications.
5. For final inspection of constructed BMPs.
6. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - Lower Demunds REL Tie-In

<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i></p> <p>The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Toby Creek			
Volume Control design storm frequency 2-year Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.12	+0.12
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.02	0.04	+0.02
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.01	-0.01
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.20	0.00	-0.20
2) 10-Year/24-Hour	0.40	0.00	-0.40
3) 50-year/24-Hour	0.71	0.20	-0.51
4) 100-year/24-Hour	0.89	0.51	-0.38

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>1,481cf(2-yr);</u> <u>4,356cf(100-yr)</u> _____ _____ _____	_____ <u>0.17</u> _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Valve Yard Pad area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Berm/Channel to ensure it has been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Valve Yard Pad to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Valve Yard Pad the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the outlet structure.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline – MLV-515RA40-Hildebrandt Tie-In

b. Summary Table for Supporting Calculation and Measurement Data

(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Toby Creek

Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.0	0.22	+0.22
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.03	0.07	+0.04
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.01	-0.02
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.34	0.20	-0.14
2) 10-Year/24-Hour	0.67	0.38	-0.29
3) 50-year/24-Hour	1.20	0.65	-0.55
4) 100-year/24-Hour	1.52	0.80	-0.72

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Vegetated Swale	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>2,265cf(2-yr);</u> <u>5,881cf(100-yr)</u>	_____ <u>0.21</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____

<input type="checkbox"/> Roadside Vegetated Filter Strips		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Stormwater Energy Dissipaters	Infiltration/Recharge			
<input type="checkbox"/> Level Spreaders		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Riprap Aprons		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Upslope Diversions		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Other _____		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____

d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Valve Yard Pad area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Channel to ensure it has been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Valve Yard Pad to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Valve Yard Pad the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the outlet structure.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Effort Loop Pipeline-MLV-505LD86 Sugar Hollow Valve Yard

<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i> The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Pohopoco Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.26</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.09	0.62	+0.53
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.35	0.44	+0.09
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.28	-0.07
Stormwater discharge rate for the design frequency storm DA-1	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.01	0.01	-0.00
2) 10-Year/24-Hour	0.37	0.31	-0.06
3) 50-year/24-Hour	5.89	4.21	-1.68
4) 100-year/24-Hour	11.47	8.28	-3.19
Stormwater discharge rate for the design frequency storm DA-2	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	4.51	3.97	-0.54
2) 10-Year/24-Hour	12.49	12.28	-0.21
3) 50-year/24-Hour	26.58	24.35	-2.23
4) 100-year/24-Hour	35.41	31.74	-3.67

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input checked="" type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ <u>1,123cf(2-yr);</u> <u>21,318cf(100-yr)</u> _____ <u>5,915cf(2-yr);</u> <u>26,924cf(100-yr)</u>	_____ _____ <u>2.85</u> _____ <u>1.54</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. For the final grading of the access road, ensuring it is constructed according to the plan details for proper conveyance of runoff.
2. Following final grading and seeding of the diversion channels and basin, in order to confirm they have been constructed according to the plan details for proper collection and conveyance of runoff. Periodic assessments will need to be made to ensure accumulated sediment have been cleaned out so the channels and basin maintain the necessary design volumes.
3. During the layout and excavation of the outlet control structure, the professional or delegate will ensure sizing, materials specifications, and construction procedures are followed to enable proper storage in the basin.
4. Following final grading and seeding of the infiltration berm in order to confirm they have been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessment will need to be made to ensure that accumulated sediment have been cleaned out so the area behind the berm maintains the necessary design volume.
5. For final inspection of constructed channels, basin and berms.
6. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Compressor Station 200

b. Summary Table for Supporting Calculation and Measurement Data

(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Valley Creek

Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.30</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.25	0.40	+0.15
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.07	0.11	+0.04
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.07	-0.00
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	1.03	0.15	-0.88
2) 10-Year/24-Hour	2.06	1.39	-0.67
3) 50-year/24-Hour	3.19	2.79	-0.40
4) 100-year/24-Hour	3.97	3.50	-0.47

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>3,790cf(2-yr);</u> <u>11,631cf(100-yr)</u>	_____ _____ _____ _____ <u>0.56</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Following final grading and seeding of the infiltration berm in order to confirm it has been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessments will need to be made to ensure that accumulated sediment should be cleaned out so the channels and berm maintain necessary design volume.
2. For final inspection of constructed BMPs.
3. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E & S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESGCP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Compressor Station 515

<p align="center">b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i></p> <p>The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Bear Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.34	2.44	+2.10
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.50	0.81	+0.31
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.18	-0.32
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	5.46	1.76	-3.70
2) 10-Year/24-Hour	10.19	8.30	-1.89
3) 50-year/24-Hour	16.85	9.55	-7.30
4) 100-year/24-Hour	20.81	9.58	-11.23

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>31,799cf(2-yr):</u> <u>96,268cf(100-yr)</u>	_____ _____ _____ _____ <u>3.83</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

- Following final grading and seeding of the collection channels and infiltration berm in order to confirm they have been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessments will need to be made to ensure that accumulated sediment should be cleaned out so the channels and berm maintain necessary design volume.
- For final inspection of constructed BMPs.
- At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E & S controls.

SECTION I. ANTIDEGRADATION ANALYSIS

This section must be completed where earth disturbance activities will be conducted in the watershed of a surface water with an existing or designated use of exceptional value or high quality pursuant to Chapter 93 (relating to water quality standards), projects where any part is located in an exceptional value wetland in accordance with 25 Pa. Code § 105.17, and projects where any part is located in the watershed of an impaired surface water where the cause of impairment is identified as siltation.

Part 1 - NONDISCHARGE ALTERNATIVES EVALUATION

The applicant must consider and describe any and all non-discharge alternatives for the entire project area which are environmentally sound and will:

- Minimize accelerated erosion and sedimentation during the earth disturbance activity
- Achieve no net change from pre-development to post-development volume, rate and concentration of pollutants in water quality

E & S Plan	PCSM/SR Plan
<p>Check off the environmentally sound nondischarge Best Management Practices (BMPs) listed below to be used prior to, during, and after earth disturbance activities that have been incorporated into your E & S Plan based on the site analysis. For non-discharge BMPs not checked, provide an explanation of why they were not utilized. Also for BMPs checked, provide an explanation of why they were utilized. (Provide the analysis and attach additional sheets if necessary)</p> <p>See Section 2 of this ESCGP-3 Application</p>	<p>Check off the environmentally sound nondischarge Best Management Practices (BMPs) listed below to be used after construction that have been incorporated into the PCSM/SR Plan based on your site analysis. For non-discharge BMPs not checked, provide an explanation of why they were not utilized. Also for BMPs checked, provide an explanation of why they were utilized. (Provide the analysis and attach additional sheets if necessary)</p> <p>See Section 3 of this ESCGP-3 Application</p>
<p>Nondischarge BMPs</p> <div style="margin-left: 20px;"> <input type="checkbox"/> Alternative Siting <div style="margin-left: 20px;"> <input type="checkbox"/> Alternative location <input type="checkbox"/> Alternative configuration <input type="checkbox"/> Alternative location of discharge </div> <input checked="" type="checkbox"/> Limited Disturbed Area <input type="checkbox"/> Limiting Extent & Duration of Disturbance (Phasing, Sequencing) <input type="checkbox"/> Riparian Buffers (150 ft. min.) <input type="checkbox"/> Riparian Forest Buffer (150 ft. min.) <input type="checkbox"/> Other _____ </div>	<p>Nondischarge BMPs</p> <div style="margin-left: 20px;"> <input type="checkbox"/> Alternative Siting <div style="margin-left: 20px;"> <input type="checkbox"/> Alternative location <input type="checkbox"/> Alternative configuration <input type="checkbox"/> Alternative location of discharge </div> <input type="checkbox"/> Low Impact Development (LID / BSD) <input type="checkbox"/> Riparian Buffers (150 ft. min.) <input type="checkbox"/> Riparian Forest Buffer (150 ft. min.) <input checked="" type="checkbox"/> Infiltration <input type="checkbox"/> Water Reuse <input type="checkbox"/> Other _____ </div>
<p>Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality during construction?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, antidegradation analysis is complete. If no, proceed to Part 2.</p>	<p>Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality after construction?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, antidegradation analysis is complete. If no, proceed to Part 2.</p>

PART 2 - ANTIDEGRADATION BEST AVAILABLE COMBINATION OF TECHNOLOGIES (ABACT)

If the net change in stormwater discharge from or after construction is not fully managed by nondischarge BMPs, the applicant must utilize ABACT BMPs to manage the difference. The Applicant must specify whether the discharge will occur during construction, post-construction or both, and identify the technologies that will be used to ensure that the discharge will be a non-degrading discharge. ABACT BMPs include but are not limited to:

E & S Plan	PCSM/SR Plan
<p><input checked="" type="checkbox"/> Treatment BMPs:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Sediment basin with skimmer <input type="checkbox"/> Sediment basin ratio of 4:1 or greater (flow length to basin width) <input type="checkbox"/> Sediment basin with 4-7 day detention <input type="checkbox"/> Flocculants <input checked="" type="checkbox"/> Compost Filter Socks <input checked="" type="checkbox"/> Compost Filter Sock Sediment Basin <input checked="" type="checkbox"/> RCE w/ Wash Rack <p><input checked="" type="checkbox"/> Land disposal:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Vegetated filters <input type="checkbox"/> Riparian buffers <150ft. <input type="checkbox"/> Riparian Forest Buffer <150ft. <input checked="" type="checkbox"/> Immediate stabilization <p><input checked="" type="checkbox"/> Pollution prevention:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> PPC Plans <input checked="" type="checkbox"/> Street sweeping <input checked="" type="checkbox"/> Channels, collectors and diversions lined with permanent vegetation, rock, geotextile or other non-erosive materials <p><input type="checkbox"/> Stormwater reuse technologies:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Sediment basin water for dust control <input type="checkbox"/> Sediment basin water for irrigation <p><input type="checkbox"/> Other _____</p>	<p><input checked="" type="checkbox"/> Treatment BMPs:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Infiltration Practices <input type="checkbox"/> Wet ponds <input type="checkbox"/> Created wetland treatment systems <input checked="" type="checkbox"/> Vegetated swales <input type="checkbox"/> Manufactured devices <input checked="" type="checkbox"/> Bio-retention/infiltration <input type="checkbox"/> Green Roofs <p><input type="checkbox"/> Land disposal:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Vegetated filters <input type="checkbox"/> Riparian Buffers <150ft. <input type="checkbox"/> Riparian Forest Buffer <150ft. <input type="checkbox"/> Disconnection of roof drainage <input type="checkbox"/> Bio-retention/bio-infiltration <p><input checked="" type="checkbox"/> Pollution prevention:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Street sweeping <input type="checkbox"/> Nutrient, pesticide, herbicide or other chemical application plan alternatives <input checked="" type="checkbox"/> PPC Plans <input checked="" type="checkbox"/> Non-structural Practices <input checked="" type="checkbox"/> Restoration BMPs <p><input type="checkbox"/> Stormwater reuse technologies:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Divert rainwater into impoundment <input type="checkbox"/> Underground storage <p><input type="checkbox"/> Spray/Drip Irrigation</p> <p><input type="checkbox"/> Other _____</p>
<p>Are the ABACT BMPs selected sufficient to minimize E&S discharges to the extent that existing or designated surface water uses are protected?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.</p>	<p>Are the ABACT BMPs selected sufficient to achieve no net change and assure that existing or designated surface water uses are protected?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.</p>

SECTION J. COMPLIANCE HISTORY REVIEW

Is/was the applicant(s) in violation of any Department regulation, order, schedule of compliance or permit or in violation of any department regulated activities within the past five years?

☒ Yes ☐ No

If yes, provide the permit number or facility name, a brief description of the violation, the compliance schedule (including dates and steps to achieve compliance) and the current compliance status. (Attach additional information on a separate sheet, when necessary)

Permit Program or Activity: Chapter 102, Chapter 105, PAG-10

Permit Number (if applicable):

1. ESG03000150001, ESG00350150001, ESG00081150001
2. E41-649
3. E-19-311, E36-947, E-38-195, E40-769, E49-336, E54-360, E58-315, E66-160, E41-667, E18-495,
4. PAG109632

Brief Description of non-compliance:

Consent Assessment of Civil Penalty, Reports past due.

Steps taken to achieve compliance

1. Consent Assessment of Civil Penalty
2. Consent Assessment of Civil Penalty. Permits being obtained to complete channel restoration
3. Consent Assessment of Civil Penalty
4. All past due reports were provided to PADEP

Date(s) compliance achieved



1. 9/20/2020
2. 8/9/2020
3. 9/20/2020
4. 12/14/2017

Current Compliance Status: ☒ In-Compliance ☐ In Non-Compliance

If in non-compliance, attach schedule for achieving compliance.

SECTION K. CERTIFICATION BY PERSON PREPARING E&S AND PCSM/SR PLANS

I do hereby certify to the best of my knowledge, information, and belief, that the Erosion and Sediment Control and PCSM/Site Restoration Plans are true and correct, represent actual field conditions, and are in accordance with the 25 Pa. Code Chapters 78/78a and 102 of the Department's rules and regulations. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Print Name Kevin C. Clark	Signature 	Professional Seal 	
Company BAI Group, LLC			
Address 2525 Green Tech Drive, Suite D, State College, PA-16803			
Phone (814) 238-2060			
Most Recent DEP Training Attended	Location		Date
e-Mail Address kclark@baigroupllc.com			

EXPEDITED REVIEW PROCESS

In addition to the certification required above, applicants using the expedited permit review process must attach an E&S and PCSM/Site Restoration Plans developed and sealed by a licensed professional engineer, surveyor or professional geologist. The plans shall contain the following certification:

I do hereby certify to the best of my knowledge, information, and belief, that the E & S Control and PCSM/SR BMPs are true and correct, represent actual field conditions and are in accordance with the 25 Pa. Code Chapters 78 / 78a and 102 of the Department's rules and regulations. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SECTION L. APPLICANT CERTIFICATION

Applicant Certification

I certify under penalty of law, as provided by 18 Pa. C.S.A. § 4904, that this application and all related attachments were prepared by me or under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my own knowledge and on inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. The responsible official's signature also verifies that the activity is eligible to participate in the ESCGP, and that the applicant agrees to abide by the terms and conditions of the permit. BMP's, E&S Plan, PPC Plan, PCSM Plan, and other controls are being or will be, implemented to ensure that water quality standards and effluent limits are attained.

I grant permission to the agencies responsible for the permitting of this work, or their duly authorized representative to enter the project site for inspection purposes. I will abide by the conditions of the permit if issued and will not begin work prior to permit issuance.

(For individuals no indication of title is necessary, choose the box below. All others proceed to the next paragraph)

☐ **Individual; proceed to signature portion.**

I hereby certify under penalty of law, as provided by 18 Pa. C.S.A. § 4904, that I am the person who is responsible for decision-making regarding environmental compliance functions for Transcontinental Gas Pipeline Company, LLC, the manager of one or more manufacturing, production, or operating facilities of the applicant and am authorized to make management decisions which govern the operation of regulated facility including having explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure the applicant's long term environmental compliance with environmental laws and regulations; and I am responsible for ensuring that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements.

(choose one of the following; not applicable for individuals):

☐ The responsible corporate officer ☐ president ☐ vice president ☐ secretary
☐ treasure of _____ Corporation/Company
Entity name

☒ The ☐ member or ☒ manager of Transcontinental Gas Pipe Line Company, LLC
Entity name

☐ The general partner of _____ partnership/LP/LLP
Entity name

☐ The principal executive officer or ranking elected official of _____ Municipality/State/Federal/other public
agency
Entity name

☐ Power of Attorney/delegation of contractual authority (documentation supporting delegation of contracting
authority must be provided) for _____
Entity name

Print Name and Title of Applicant

Print Name and Title of Co-Applicant (if applicable)

Signature of Applicant

Signature of Co-Applicant

Date Application Signed

Date Application Signed

Notarization

Sworn to and subscribed to before me this

Commonwealth of Pennsylvania

_____ day of _____, 20_____

County of _____

Notary Public

My Commission expires _____

AFFIX SEAL

SECTION M. ADDITIONAL CONTACT INFORMATION			
Contact's Last Name	First Name	MI	Phone (814) 689-1650
Nelson	Ryan	J	FAX
Mailing Address	City	State	ZIP + 4
2525 Green Tech Drive, Suite B	State College	PA	16803
e-Mail Address ryann@whmgroup.com			

Section 1-1.1 NOI Supporting Information

Project Component	Site	Site Location City	ZIP Code	County	Municipality	Total Project Area/Project Site (Acre)	Total Disturbed Area (Acre)	Latitude / Longitude	U.S.G.S. 7.5 min. Topographic Quadrangle	Receiving Waters	Chapter 93, Designated Use Stream Classification	Chapter 93, Existing Use Stream Classification	Siltation Impaired
Regional Energy Lateral	Pipeline			Luzerne	Buck, Bear Creek, Plains, Jenkins, Kingston, Dallas, Wyoming, West Wyoming, Laflin	952.63	420.67 (includes CS 515 and sites below)	41.173337, -75.671706 (eastern terminus) 41.346917, -75.946263 (western terminus)	Kingston, Pittston, Avoca, Wilkes-Barre East, Pleasant View Summit	Stony Run, Shades Creek, Little Shades Creek, Snider Run, Meadow Run, Bear Creek, Little Bear Creek, Mill Creek, Gardner Creek, Susquehanna River, Abrahams Creek, Toby Creek, Trout Brook	MF, HQ-CWF, WWF, CWF	-	No
	CY-LU-001	Wyoming	18644	Luzerne	Wyoming		16.3 (Included within above total)	41.31016, -75.84636		Abrahams Creek	CWF, MF	-	No
	CY-LU-002	Wilkes-Barre	18702	Luzerne	Laflin		11.4 (Included within above total)	41.28491, -75.79026		Gardner Creek	CWF, MF	-	No
	MLV-515RA20	Wilkes-Barre	18702	Luzerne	Bear Creek Township		0.46 (Included within above total)	41.25279, -75.75856		Mill Creek	CWF, MF	-	No
	MLV-515RA30	Wyoming	18644	Luzerne	Wyoming Borough		0.44 (Included within above total)	41.30411, -75.84662		Susquehanna River	WWF		No
	Carverton Tie-in	Wyoming	18644	Luzerne	West Wyoming Borough		3.9 (Included within above total)	41.32053, -75.87270		Abrahams Creek	CWF, MF		No
	Lower Demunds REL Tie-in	Dallas	18612	Luzerne	Dallas Township		1.7 (Included within above total)	41.34652, -75.94551		Trout Brook	CWF, MF		No
	Hildebrandt Tie-in/MLV-515RA40	Dallas	18612	Luzerne	Dallas Township		3.1 (Included within above total)	41.34692, -75.94629		Toby Creek, Trout Brook	CWF, MF		No
	Laflin Borough Stream Stabilization	Wilkes-Barre	18702	Luzerne	Laflin Borough		0.94 (Included within above total)	41.28925, -75.80209		Gardner Creek	CWF, MF	-	No
Effort Loop	Pipeline			Monroe	Ross, Chestnuthill, Tunkhannock	360.63	262.18	40.896796, -75.370606 (Southeast Terminus) 41.053413, -75.526178 (Northwest Terminus)	Blakeslee, Pocono Pines, Brodheads ville, Saylorsburg	Lake Creek, Princess Run, Weir Creek, McMichael Creek, Pohopoco Creek, Sugar Hollow Creek, Poplar Creek, Mud Run, Mud Pond Run, Tunkhannock Creek	EV, MF, HQ-CWF, CWF	EV, MF	No

Regional Energy Access Expansion Project
ESCGP-3 Permit Application
Transcontinental Gas Pipe Line Company, LLC
Section 1-1.1 NOI Supporting Information

Project Component	Site	Site Location City	ZIP Code	County	Municipality	Total Project Area/Project Site (Acre)	Total Disturbed Area (Acre)	Latitude / Longitude	U.S.G.S. 7.5 min. Topographic Quadrangle	Receiving Waters	Chapter 93, Designated Use Stream Classification	Chapter 93, Existing Use Stream Classification	Siltation Impaired
	MLV-505LD86 Sugar Hollow Valve Yard	Effort	18330	Monroe	Chestnut Hill Township		8.8 (Included within above total)	40.96775, -75.42980		Sugar Hollow Creek	CWF, MF	-	No
	CY-MO-001	Saylorsburg	18353	Monroe	Ross Township		50.1 (Included within above total)	40.89803, -75.36784		Lake Creek, Princess Run	HQ-CWF, MF, CWF	-	No
Delaware River Regulator		Easton	18040	Northampton	Lower Mt. Bethel	11.28	3.25	40.76220 -75.19653	Bangor, PA	Mud Run	CWF, MF	-	No
Mainline “A” Regulator		Washington Crossing	18977	Bucks	Lower Makefield	0.94	0.530	40.26807, -74.85712	Pennington, NJ-PA	Dyers Creek, Delaware River	MF, WWF	-	No
Compressor Station 200		Frazer	19335	Chester	East Whiteland	20.28	3.16	40.04998, -75.58589	Malvern, PA	Valley Creek	EV, MF, CWF	-	Yes
Compressor Station 515		White Haven	18661	Luzerne	Buck	952.63 (Included with Regional Energy Lateral)	24.83 (included with Regional Energy Lateral)	41.17380, -75.67118	Pleasant View Summit, PA	Shades Creek, Stony Run	HQ-CWF, MF	-	No

SECTION 1.6.2
MONROE COUNTY
(EFFORT LOOP)



MUNICIPAL NOTIFICATION OF PLANNED LAND DEVELOPMENT FOR CHAPTER 102 PERMITS

PROJECT INFORMATION (COMPLETED BY APPLICANT)

Applicant Name:	Transcontinental Gas Pipe Line Company, a subsidiary of Williams Partners, L.P.	Contact Name:	Joseph Dean Manager-Permitting
Applicant Address:	2800 Post Oak Blvd, Level 11	Contact Phone:	(713) 215-3427
Applicant City, State, ZIP:	Houston, TX 77056	County:	Monroe

Description of Proposed Land Development and Stormwater Controls:

Municipality: **Chestnuthill**

The Effort Loop component of the Regional Energy Access Expansion Project will consist of approximately 13.8 miles of 42-inch pipeline co-located with existing Transco Leidy Lines between Mileposts 43.72 and 57.50 in Ross, Chestnuthill and Tunkhannock Townships, Monroe County. The new pipeline will tie-in to the existing 42-in Leidy Line "D" on both ends, completing the segment. With the segment completed, the existing pig traps (industry term for manifolds that launch or receive in-line inspection tools) at both tie-ins will no longer be needed and will therefore be removed, while the existing mainline valves will remain. Transco will be installing a new mainline valve and appurtenant equipment at Milepost 49.6 off of Sugar Hollow Road, which will include PCSM BMP's. The valve installation is a means to isolate gas flows. One Contractor Yard is proposed at the east end of the pipeline at MP 43.72. One remote anode groundbed is proposed at MP 43.72. E&S and PCSM BMP's are proposed.

Project Area: **181.28** acres ☐ PhasedDisturbance: **127.24** acres

Tax Parcel ID(s) Affected by Proposed Land Development:

Surface Waters Receiving Stormwater Discharges:

**McMichael Creek, Pohopoco Creek, Poplar Creek,
Sugar Hollow Creek, Weir Creek**

See attached tableDischarge to: ☐ MS4 ☐ Other SS ☐ CSS

The following information was submitted to the municipality for this project:

☐ Land Development / Subdivision Plan ☒ E&S Plan ☒ PCSM Plan ☐ Other:

***On March 31, 2021 Transco submitted to you its E&S and PCSM Plans (Plans) as part of the ESCGP-3 permit application notification. The purpose of this notice is to let you know that Transco will be submitting an Erosion and Sediment Control Permit for Discharges of Stormwater Associated with Construction Activities Application to the PA Dept. of Environmental Protection to replace the ESCGP-3 application. Please refer to the previously submitted Plans.**

MUNICIPAL PLAN / ORDINANCE INFORMATION (COMPLETED BY MUNICIPALITY)

1. Is there an adopted municipal or multi-municipal comprehensive plan? ☐ Yes ☐ No
2. Is there an enacted municipal or multi-municipal zoning ordinance? ☐ Yes ☐ No
3. If Yes to #2, is the proposed project consistent with the ordinance? ☐ Yes ☐ No
4. Is there a municipal stormwater management ordinance? ☐ Yes ☐ No
5. If Yes to #4, is the proposed project consistent with the ordinance, without waiver? ☐ Yes ☐ No
6. If Yes to #4, indicate type of ordinance: ☐ Act 167 Model Ordinance ☐ DEP Model Ordinance (MS4s) ☐ Other

APPLICANT CERTIFICATION

I certify under penalty of law (see 18 Pa.C.S. § 4904 (relating to unsworn falsification)) that the information reported herein was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the information, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

MUNICIPAL ACKNOWLEDGEMENT

The municipality acknowledges that a permit application for the above-referenced project has been submitted to a reviewing agency and that notification requirements of Act 14 of 1984 and Acts 67, 68, and 127 of 2000 have been satisfied. The information reported herein by the municipality is true and accurate. The municipality reserves the right to comment to the reviewing agency relative to comprehensive plans, zoning, and stormwater ordinance consistency. Municipal acknowledgment of receipt of notification shall not be construed as project approval.

Joseph Dean

Applicant Name**Applicant Signature**

Manager - Permitting

Applicant Title

07/01/2021

Date of Signature**Municipal Representative Name****Municipal Representative Signature****Municipal Representative Title****Date of Signature**

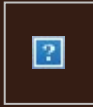
Tax Account Number/APN	Legal Desc County	Municipality
02/111157	Monroe	Chestnuthill
02/112293	Monroe	Chestnuthill
02/113019	Monroe	Chestnuthill
02/113022	Monroe	Chestnuthill
02/113418	Monroe	Chestnuthill
02/116754	Monroe	Chestnuthill
02/116777	Monroe	Chestnuthill
02/116778	Monroe	Chestnuthill
02/116779	Monroe	Chestnuthill
02/14/1/28-4	Monroe	Chestnuthill
02/14/1/4-5	Monroe	Chestnuthill
02/14/1/6	Monroe	Chestnuthill
02/14/1/7-4	Monroe	Chestnuthill
02/14/1/7-5	Monroe	Chestnuthill
02/14B/1/100	Monroe	Chestnuthill
02/14B/1/101	Monroe	Chestnuthill
02/14B/1/107	Monroe	Chestnuthill
02/14B/1/108	Monroe	Chestnuthill
02/14B/1/122	Monroe	Chestnuthill
02/14B/1/123	Monroe	Chestnuthill
02/14B/1/76	Monroe	Chestnuthill
02/14B/1/82	Monroe	Chestnuthill
02/14B/1/83	Monroe	Chestnuthill
02/14B/1/84	Monroe	Chestnuthill
02/14B/1/85	Monroe	Chestnuthill
02/14B/1/86	Monroe	Chestnuthill
02/14B/1/99	Monroe	Chestnuthill
02/14C/1/5	Monroe	Chestnuthill
02/14C/1/6	Monroe	Chestnuthill
02/14C/2/27	Monroe	Chestnuthill
02/14C/2/28	Monroe	Chestnuthill
02/14C/2/29	Monroe	Chestnuthill
02/14C/2/30	Monroe	Chestnuthill
02/14C/2/35	Monroe	Chestnuthill
02/14C/2/36	Monroe	Chestnuthill
02/14C/2/37	Monroe	Chestnuthill
02/14C/2/38	Monroe	Chestnuthill
02/14C/2/39	Monroe	Chestnuthill
02/14C/2/40	Monroe	Chestnuthill
02/14C/2/41	Monroe	Chestnuthill
02/14C/2/42	Monroe	Chestnuthill
02/14C/2/44	Monroe	Chestnuthill

02/14C/2/87	Monroe	Chestnuthill
02/14C/2/88	Monroe	Chestnuthill
02/14C/2/89	Monroe	Chestnuthill
02/14C/2/90	Monroe	Chestnuthill
02/14F/1/10	Monroe	Chestnuthill
02/14F/1/11	Monroe	Chestnuthill
02/14F/1/12	Monroe	Chestnuthill
02/14F/1/15	Monroe	Chestnuthill
02/14F/1/16	Monroe	Chestnuthill
02/14F/1/17	Monroe	Chestnuthill
02/14F/1/7	Monroe	Chestnuthill
02/14F/1/8	Monroe	Chestnuthill
02/14F/1/9	Monroe	Chestnuthill
02/2/1/26	Monroe	Chestnuthill
02/2/1/26-10	Monroe	Chestnuthill
02/2/1/26-11	Monroe	Chestnuthill
02/2/1/26-5	Monroe	Chestnuthill
02/2/1/26-6	Monroe	Chestnuthill
02/2/1/26-7	Monroe	Chestnuthill
02/2/1/26-8	Monroe	Chestnuthill
02/2/1/26-9	Monroe	Chestnuthill
02/2/1/33	Monroe	Chestnuthill
02/2/1/33-1	Monroe	Chestnuthill
02/2/1/34	Monroe	Chestnuthill
02/2A/4/10	Monroe	Chestnuthill
02/2A/4/6	Monroe	Chestnuthill
02/2A/4/7	Monroe	Chestnuthill
02/2A/4/8	Monroe	Chestnuthill
02/2A/4/9	Monroe	Chestnuthill
02/3/1/10	Monroe	Chestnuthill
02/3/1/11-1	Monroe	Chestnuthill
02/3/1/41	Monroe	Chestnuthill
02/3/1/42	Monroe	Chestnuthill
02/3/1/42-1	Monroe	Chestnuthill
02/3/1/42-2	Monroe	Chestnuthill
02/3/1/43	Monroe	Chestnuthill
02/3/1/45-2	Monroe	Chestnuthill
02/3/1/45-4	Monroe	Chestnuthill
02/3/1/45-8	Monroe	Chestnuthill
02/3/1/56	Monroe	Chestnuthill
02/3/1/57	Monroe	Chestnuthill
02/3/1/58	Monroe	Chestnuthill
02/3/1/58-3	Monroe	Chestnuthill
02/3/1/61	Monroe	Chestnuthill

02/3/1/62-1	Monroe	Chestnuthill
02/3/1/66	Monroe	Chestnuthill
02/3/1/66-2	Monroe	Chestnuthill
02/3/1/67	Monroe	Chestnuthill
02/7/1/45	Monroe	Chestnuthill
02/7/1/46-12	Monroe	Chestnuthill
02/7/1/46-13	Monroe	Chestnuthill
02/7/1/47	Monroe	Chestnuthill
02/8/1/1	Monroe	Chestnuthill
02/8/1/23	Monroe	Chestnuthill
02/8/1/23-3	Monroe	Chestnuthill
02/8/1/35-11	Monroe	Chestnuthill
02/8/1/35-14	Monroe	Chestnuthill
02/8/1/35-16	Monroe	Chestnuthill
02/8/1/35-17	Monroe	Chestnuthill
02/8/1/35-18	Monroe	Chestnuthill
02/8/1/35-2	Monroe	Chestnuthill
02/8/1/35-4	Monroe	Chestnuthill
02/8/1/35-7	Monroe	Chestnuthill
02/8/1/36	Monroe	Chestnuthill
02/8/1/36-1	Monroe	Chestnuthill
02/8/1/5	Monroe	Chestnuthill
02/8/1/5-1	Monroe	Chestnuthill
02/8/1/5-2	Monroe	Chestnuthill
02/8/1/6	Monroe	Chestnuthill
02/8/1/61	Monroe	Chestnuthill
02/8/1/66-11	Monroe	Chestnuthill
02/8/1/66-12	Monroe	Chestnuthill
02/8/1/66-13	Monroe	Chestnuthill
02/8/1/66-15	Monroe	Chestnuthill
02/8/1/7	Monroe	Chestnuthill
02/8/2/19	Monroe	Chestnuthill
02/8/2/2	Monroe	Chestnuthill
02/8/2/20	Monroe	Chestnuthill
02/8/2/3	Monroe	Chestnuthill
02/86516	Monroe	Chestnuthill
02/86517	Monroe	Chestnuthill
02/86518	Monroe	Chestnuthill
02/86519	Monroe	Chestnuthill
02/86520	Monroe	Chestnuthill
02/86521	Monroe	Chestnuthill
02/86522	Monroe	Chestnuthill
02/86523	Monroe	Chestnuthill
02/86524	Monroe	Chestnuthill

02/86561	Monroe	Chestnuthill
02/86562	Monroe	Chestnuthill
02/86563	Monroe	Chestnuthill
02/86564	Monroe	Chestnuthill
02/86565	Monroe	Chestnuthill
02/86732	Monroe	Chestnuthill
02/8C/2/13	Monroe	Chestnuthill
02/8C/2/3	Monroe	Chestnuthill
02/8C/2/4	Monroe	Chestnuthill
02/92517	Monroe	Chestnuthill
02/9A/1/27	Monroe	Chestnuthill
02/9A/1/29	Monroe	Chestnuthill
02/9A/1/30	Monroe	Chestnuthill
02/9A/1/31	Monroe	Chestnuthill
02/9A/1/32	Monroe	Chestnuthill
02/9A/1/33	Monroe	Chestnuthill
02/9A/2/12	Monroe	Chestnuthill
02/9A/2/13	Monroe	Chestnuthill
02/9A/2/14	Monroe	Chestnuthill
02/9A/2/15	Monroe	Chestnuthill
02/9A/2/16	Monroe	Chestnuthill
02/9A/2/17	Monroe	Chestnuthill
02/9A/2/18	Monroe	Chestnuthill
15/6/1/25-7	Monroe	Chestnuthill
20/3A/1/104	Monroe	Chestnuthill
20/86525	Monroe	Chestnuthill and Tunkhannock
N/A	Monroe	Chestnuthill
Not being assessed	Monroe	Chestnuthill

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WHM CONSULTING, INC

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Number of Packages:	1
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Package Weight:	1.0 LBS
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March 31, 2021

UPS TRACKING (1Z8797VV0394955385)

Chestnuthill Township
P.O. Box 243, 271 Route 715
Brodheads ville, PA 18322

Re: Regional Energy Access Expansion Project – Effort Loop
Pennsylvania Acts 14, 67, 68, and 127 Notification
Chestnuthill, Ross, and Tunkhannock Townships, Monroe County, Pennsylvania

Dear Chestnuthill Township Supervisors:

This municipal notice, under the requirements of Act 14, 97 P.S. § 510-5, is to inform you that Transcontinental Gas Pipe Line Company, LLC (Transco), a subsidiary of The Williams Companies, Inc. (Williams) is applying for coverage under the Erosion and Sediment Control General Permit (ESCGP-3) for Earth Disturbance Associated with Oil & Gas Exploration, Production, Processing or Treatment Operations or Transmission Facilities from the Pennsylvania Department of Environmental Protection (DEP).

1) Project Name: Regional Energy Access Expansion Project – Effort Loop

2) Project Description: Transco, indirectly owned by The Williams Companies, Inc. (Williams), is seeking authorization from the Federal Energy Regulatory Commission (FERC or Commission) under Section 7(c) of the Natural Gas Act and Part 157 of the Commission's regulations, to construct, own, operate, and maintain the proposed Project facilities. The Project is an expansion of Transco's existing natural gas transmission system that will enable Transco to provide an incremental 829,400 dekatherms per day (Dth/d) of year-round firm transportation capacity from the Marcellus Shale production area in northeastern Pennsylvania (PA) to multiple delivery points along Transco's Leidy Line in PA, Transco's mainline at the Station 210 Zone 6 Pooling Point in Mercer County, New Jersey (NJ) and multiple delivery points in Transco's Zone 6 in NJ, PA, and Maryland (MD).

The Effort Loop component of the Project will consist of approximately 13.8 miles of 42-inch pipeline co-located with existing Transco Leidy Lines between Mileposts 43.72 and 57.50 in Ross, Chestnuthill and Tunkhannock Townships, Monroe County. The new pipeline will tie-in to the existing 42-in Leidy Line "D" on both ends, completing the segment. With the segment completed, the existing pig traps (industry term for manifolds that launch or receive in-line inspection tools) at both tie-ins will no longer be needed and will therefore be removed, while the existing mainline valves will remain. Transco will be installing a new mainline valve and appurtenant equipment at Milepost 49.6 off of Sugar Hollow Road. The valve installation is a means to isolate gas flows. One Contractor Yard is proposed at the east end of the pipeline at MP 43.72. One remote anode groundbed is proposed at MP 43.72.

3) Applicant Name: Transcontinental Gas Pipe Line Company, LLC's (Transco), a subsidiary of Williams Partners L.P. (Williams)

4) Applicant Contact: Joseph Dean
Environmental Manager
2800 Post Oak Blvd, Level 11
Houston, TX 77056
(713) 215-3417

5) Site Location: The proposed Project is located on the Blakeslee, Pocono Pines, Brodheadsville and Saylorburg, Pennsylvania, 7.5 Minute USGS quadrangle. The Project is co-located with an existing pipeline right-of-way. The western terminus of the Effort Loop is located at: 41.053413, -75.526178, and the eastern terminus is location at: 40.896796, -75.370606.

6) Municipality / County: Chestnuthill, Ross, and Tunkhannock Townships, Monroe County

Act 14, which amended the Commonwealth's Administrative Code (71 P.S. § 510-5), requires every applicant for a new, amended, or revised permit to give written notice to each municipality (borough, township) and county government in which the facility is located. The municipality and county government must receive the written notice at least thirty (30) - days before DEP may issue or deny approval of coverage.

Enclosed is a complete copy of the Notice of Intent (NOI) completed for the project as well as copies of the erosion and sediment control plan and post construction stormwater management plans.

Sincerely,

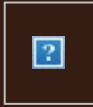
A handwritten signature in black ink, appearing to read "Ryan J. Nelson".

Ryan J. Nelson, PWS
WHM Consulting, LLC

Enclosures:

NOI Form
Erosion and Sediment Control Plan Drawings
Post Construction Stormwater Management Plan Drawings

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WHM CONSULTING, INC

Tracking Number:	1Z8797VV0394955385
Ship To:	CHESTNUTHILL TOWNSHIP 271 ROUTE 715 BRODHEADSVILLE, PA 18322 US
Number of Packages:	1
UPS Service:	UPS Ground
Package Weight:	3.0 LBS
Reference Number:	WILLIAMS 20-245, TASK 2C



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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF WATER PROGRAMS
OFFICE OF OIL AND GAS MANAGEMENT

OFFICIAL USE ONLY

ID # T _____
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 AUTH _____
 SITE _____
 CLNT _____
 APS _____
 Fee _____
 Check No. _____
 Check Date _____

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT
CONTROL GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH
OIL AND GAS EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT
OPERATIONS OR TRANSMISSION FACILITIES**

READ THE INSTRUCTIONS PROVIDED IN THIS PERMIT APPLICATION PACKAGE BEFORE COMPLETING THIS FORM. PLEASE PRINT OR TYPE INFORMATION IN BLACK OR BLUE INK.

SECTION A. APPLICATION TYPE

Check one:

NEW ☒ **RENEWAL** ☐ **MAJOR MODIFICATIONS (Provide ESCGP number)** ☐

PHASED ☐ (check only if applicable; *note: Most projects are not submitted as phased projects*)

Check one: **EXPEDITED** ☐ **STANDARD** ☒

If an Expedited Review Process being requested, be advised that the Expedited Review is not available for all projects. Refer to Section D - Expedited Review Process of the ESCGP-3 NOI Instructions to determine if the project is eligible.

SECTION B. CLIENT INFORMATION

Applicant's Last Name (If applicable)	First Name	MI	Telephone No.
Organization Name or Registered Fictitious Name Transcontinental Gas Pipe Line Company, LLC (Contact: Joseph Dean)			Telephone No. (713) 215-3427
DEP Client ID No.			
Headquarters Mailing Address 2800 Post Oak Blvd, Level 11	City Houston	State TX	ZIP Code 77056
Email Address Joseph.Dean@williams.com			
Co-Applicant's Last Name (If applicable)	First Name	MI	Telephone No.
Organization Name or Registered Fictitious Name 			Telephone No.

Address	City	State	ZIP Code
Email Address			

SECTION C. SITE INFORMATION					
Is there an existing ESCGP associated with this site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, Permit No. _____					
Has a well permit application been submitted for this site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, Permit No. _____					
Does this site have a 911 address? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, <u>provide site location address.</u>					
Site Name Regional Energy Access Expansion Project					
Site Location See Attachment 1-1.1- NOI Supporting Information			Site No. (if another permit has been issued for the site)		
Site Location – City See Attachment 1-1.1- NOI Supporting Information				State PA	ZIP Code
Detailed Written Directions to Site See Attachment 1-1.1- NOI Supporting Information for locations of all project sites					
Primary Location	County Luzerne, Northampton, Bucks, Chester, and Monroe	Municipality Buck, Bear Creek, Plains, Jenkins, Kingston, Lower Mt. Bethel, Ross, Chestnut Hill, Tunkhannock, Lower Makefield, East Whiteland and Dallas Townships Wyoming, West Wyoming, and Laflin Boroughs	City <input type="checkbox"/>	Boro <input checked="" type="checkbox"/>	Twp. <input checked="" type="checkbox"/>
SECTION D. EXPEDITED REVIEW					
I. Expedited Review Eligibility					
1. Is any part of the project in the watershed of a surface water with an existing or designated use of exceptional value or high quality pursuant to Chapter 93 (relating to water quality standards), in an exceptional value wetland in accordance with 25 Pa. Code § 105.17, or in the watershed of an impaired surface water where the cause of the impairment is identified as siltation?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
2. Will the project in which the well pad will be constructed be in or on a floodplain?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Is any earth disturbance located or proposed to be located on land known to be contaminated by the release of regulated substances as defined in Section 103 of Act 2, 35 P.S. § 6026.103?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4. Will naturally occurring geologic formations or soil conditions provide hazards to the project or surrounding environment or have the potential to cause or contribute to pollution when disturbed?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
5. Do any unresolved non-compliance issues exist with the applicant or the facility?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
6. Is the project a transmission project?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

<p>If yes to any of the above questions the project is not eligible for Expedited Review; If the project is eligible for Expedited Review, all the following items must be completed.</p>	
<p>II. Expedited Review Process</p>	
1. Is the technically and administratively complete and accurate NOI package prepared and certified by a licensed professional?	<input type="checkbox"/> Yes <input type="checkbox"/> No
2. Are E&S and PCSM/Site Restoration Plan drawings and narrative prepared and sealed by a licensed professional? <i>(Include interim restoration details when needed)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No
3. Include a Resource Delineation Report and answer the following questions: (If the answer to question a. is "Yes" then skip to #4. If the answer to a. is "No" the applicant must answer "Yes" to at least one of the questions, b. through d. to be eligible for expedited review.)	
a. Were all wetland resources delineated during the growing season?	<input type="checkbox"/> Yes <input type="checkbox"/> No
b. If not during the growing season, was a follow-up visit conducted during the growing season to verify/adjust boundaries and look for potentially missed resources?	<input type="checkbox"/> Yes <input type="checkbox"/> No
c. Was a quality assurance field review conducted at a later date by an independent qualified wetland professional to verify boundaries and look for potentially missed resources? (If yes, attach Quality Assurance Field Review Report)	<input type="checkbox"/> Yes <input type="checkbox"/> No
d. Was a Jurisdictional Determination (JD) or Preliminary JD conducted by the US Army Corps of Engineers on the whole project? (If yes, attach Preliminary or Jurisdictional Determination Report)	<input type="checkbox"/> Yes <input type="checkbox"/> No
4. If applicable, have you included PNDI clearance letters or other documentation from applicable resource agencies?	<input type="checkbox"/> Yes <input type="checkbox"/> No
5. If the project site contains, is along, or within 100 feet of a river, stream, creek, lake, pond or reservoir, will you establish new or preserve existing riparian forest buffer at least 100 feet in width between the top of streambank or normal pool elevation of a lake, pond or reservoir and areas of earth disturbances. If no, will a waiver be obtained? <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
6. Name of Licensed Professional	
Company	
Address	
Phone	

SECTION E. PROJECT INFORMATION																	
1. Total Project Area/Project Site (Ac):	1,346 (Also see Attachment 1-1.1)	Total Disturbed Area (Ac):	689.8 (Also see Attachment 1-1.1)														
Increased disturbed acreage <i>(for permit modification only)</i>																	
Fee: <i>(For additional information regarding fees, refer to NOI Instructions #3 Permit NOI Filing Fees.)</i>			\$ \$500 (Filing Fee), \$69,000 (Disturbed Acre Fee)														
2. Project Name: Regional Energy Access Expansion Project																	
3. Project Type (Check all that apply) <table border="0" style="width: 100%;"> <tr> <td><input type="checkbox"/> Oil/Gas Well ¹</td> <td><input checked="" type="checkbox"/> Transmission Facility</td> </tr> <tr> <td><input type="checkbox"/> Gathering Facility</td> <td><input type="checkbox"/> Processing Facility</td> </tr> <tr> <td><input type="checkbox"/> Treatment Facility</td> <td><input type="checkbox"/> Well Development Impoundment</td> </tr> <tr> <td><input checked="" type="checkbox"/> Compressor Station</td> <td><input type="checkbox"/> Non-FERC regulated Transmission Facility</td> </tr> <tr> <td><input checked="" type="checkbox"/> Pipeline</td> <td><input type="checkbox"/> Ground/Surface Water Withdrawal Site</td> </tr> <tr> <td><input type="checkbox"/> Storage Field Facility</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Other</td> <td></td> </tr> </table>				<input type="checkbox"/> Oil/Gas Well ¹	<input checked="" type="checkbox"/> Transmission Facility	<input type="checkbox"/> Gathering Facility	<input type="checkbox"/> Processing Facility	<input type="checkbox"/> Treatment Facility	<input type="checkbox"/> Well Development Impoundment	<input checked="" type="checkbox"/> Compressor Station	<input type="checkbox"/> Non-FERC regulated Transmission Facility	<input checked="" type="checkbox"/> Pipeline	<input type="checkbox"/> Ground/Surface Water Withdrawal Site	<input type="checkbox"/> Storage Field Facility		<input type="checkbox"/> Other	
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<input checked="" type="checkbox"/> Compressor Station	<input type="checkbox"/> Non-FERC regulated Transmission Facility																
<input checked="" type="checkbox"/> Pipeline	<input type="checkbox"/> Ground/Surface Water Withdrawal Site																
<input type="checkbox"/> Storage Field Facility																	
<input type="checkbox"/> Other																	
¹ If Oil/Gas Well; is the well conventional or unconventional? <input type="checkbox"/> Conventional <input type="checkbox"/> Unconventional																	

Project Description

Transco, indirectly owned by The Williams Companies, Inc. (Williams), is seeking authorization from the Federal Energy Regulatory Commission (FERC or Commission) under Section 7(c) of the Natural Gas Act and Part 157 of the Commission's regulations, to construct, own, operate, and maintain the proposed Project facilities

The Project is an expansion of Transco's existing natural gas transmission system that will enable Transco to provide an incremental 829,400 dekatherms per day (Dth/d) of year-round firm transportation capacity from the Marcellus Shale production area in northeastern Pennsylvania (PA) to multiple delivery points along Transco's Leidy Line in PA, Transco's mainline at the Station 210 Zone 6 Pooling Point in Mercer County, New Jersey (NJ) and multiple delivery points in Transco's Zone 6 in NJ, PA, and Maryland (MD). The Project will consist of the following components:

- Approximately 22.3 miles of 30-inch-diameter pipeline partially collocated with Transco's Leidy Line A from milepost (MP) 0.00 to MP 22.32 in Luzerne County, PA (Regional Energy Lateral);
 - Approximately 13.8 miles of 42-inch-diameter pipeline collocated with Transco's Leidy Line System from MP 43.72 to MP 57.50 in Monroe County, PA (Effort Loop);
 - New gas-fired turbine driven compressor station identified as Compressor Station 201 with 11,107 nominal horsepower (HP) at International Organization of Standardization (ISO) conditions in Gloucester County, NJ;
 - Addition of two gas-fired turbine driven compressor units with 31,800 nominal HP at ISO conditions at existing Compressor Station 505 in Somerset County, NJ, to accommodate the abandonment and replacement of approximately 16,000 HP from eight existing internal combustion engine-driven compressor units and increase the certificated station compression by 15,800 HP;
 - Addition of two gas-fired turbine driven compressor units with 63,742 nominal HP at ISO conditions and modification of three existing compressors at existing Compressor Station 515 in Luzerne County, PA to support the Project and to accommodate the abandonment and replacement of approximately 17,000 HP from five existing gas-fired reciprocating engine driven compressors and increase the certificated station compression by 46,742 HP;
 - Uprate and rewheel two existing electric motor-driven compressor units at existing Compressor Station 195 in York County, PA to increase the certificated station compression by 5,000 HP and accommodate the abandonment of two existing gas-fired reciprocating engine driven compressors which total approximately 8,000 HP of compression;
 - Modifications at existing Compressor Station 200 in Chester County, PA;
 - Uprate one existing electric motor-driven compressor unit at Compressor Station 207 in Middlesex County, NJ to increase the certificated station compression by 4,100 HP;
 - Modifications to three (3) existing pipeline tie-ins in PA (Hildebrandt Tie-in, Lower Demunds REL Tie-in, and Carverton Tie-in);
 - Addition of regulation controls at an existing valve setting on Transco's Mainline "A" in Bucks County, PA (Mainline A Regulator);
 - Modifications at the existing Delaware River Regulator in Northampton County, PA;
 - Modifications at the existing Centerville Regulator in Somerset County, NJ;
 - Modifications to the existing valves and piping at the Princeton Junction (Station 210 Pooling Point) in Mercer County, NJ;
 - Modifications to three (3) existing delivery meter stations in NJ (Camden M&R Station, Lawnside M&R Station, and Mt. Laurel M&R Station);
 - Modifications to one (1) existing delivery meter station in MD (Beaver Dam M&R Station);
 - Contractual changes (no modifications) at ten (10) existing delivery meter stations in PA and NJ (Algonquin-Centerville Meter Station, Post Road Meter Station, New Village Meter Station, Spruce Run Meter Station, Marcus Hook Meter Station, Ivyland Meter Station, Repaupo Meter Station, Morgan Meter Station, Lower Mud Run Meter Station, and Chesterfield Meter Station);
 - Additional ancillary facilities, such as mainline valves (MLVs), cathodic protection, communication facilities, and internal inspection device (e.g., pig) launchers and receivers in PA; and
 - Existing, improved, and new access roads and contractor yards/staging areas in PA, NJ, and MD.
- Provide the date of pre-application meeting (if conducted with the Department) 04/27/20, 07/09/20, 09/04/20, 09/30/20, 12/15/20, 12/16/20, 01/06/21, 02/05/21

4. Provide the latitude and longitude coordinates for the center of the project. The coordinates should be in Decimal degrees and North American Datum 1983. The coordinates must meet the current DEP policy regarding locational accuracy. For linear projects provide the project's termini. See Attachment 1-1.1

Latitude (DD) . Latitude (DD) . Horizontal Collection Method: <input type="checkbox"/> GPS <input checked="" type="checkbox"/> Interpolated from U.S.G.S. Topographic Map <input type="checkbox"/> DEP's eMAP	Longitude (DD) - . Longitude (DD) - .				
5. U.S.G.S. 7.5 min. topographic quadrangle Name (See Attachment 1-1.1) <i>(Include a copy of the project area on the 7.5 min quad map)</i>					
6. Will the project be conducted as a phased permit project? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Include Master Site Plan Estimated Timetable for Phased Projects. <input type="checkbox"/> Additional sheet(s) attached.					
Phase No. or Name	Description	Total Area	Disturbed Area	Start Date	End Date
7. List existing and previous land use for a minimum of the previous 5 years. (See Section 2 of this ESCGP-3 Application)					
8. Other Pollutants: Will the stormwater discharge contain pollutional substances other than sediment? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
9. Will fuels, chemicals, solvents, other hazardous waste or materials be used or stored on site during earth disturbance activities or will Horizontal Directional Drilling (HDD) activities be conducted? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If yes, Preparedness, Prevention and Contingency (PPC) Plan must be maintained on site during earth disturbance. See NOI Instructions, E.9 PPC Plan Guidance for further information.)</i>					
10. Is the project in the watershed of an impaired surface water where the cause of the impairment is identified as siltation? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (See Section 2-5 of this ESCGP-3 Application) <i>(If yes, show how the project will not result in a net change in volume, rate or water quality. See section I below, and E.10 of NOI instructions.)</i>					
11. Are there potentially hazardous naturally occurring geological or soil conditions in any portion of the project or surrounding area? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, do the potentially hazardous geologic or soil conditions have the potential to cause or contribute to pollution as a result of the proposed earth disturbance activities? If no, provide an explanation. If yes, Geologic Hazard Mitigation Plan must be attached and explain where in this application details are provided.					
12. Has the Act 14 Municipal Notification and proof of receipt of notification been attached to the NOI? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If not, the NOI is not complete, see E.12 and #4 Municipal Notification in the NOI Instructions for additional guidance.)</i>					
13. Has the PNDI receipt been attached to the NOI? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If not, the NOI is not complete, see E.13 and #5 PNHP in the NOI Instructions for additional guidance.)</i>					
14. Have the E&S Plan and PCSM/SR Plan been planned and designed to be consistent? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
15. Have existing and/or proposed Riparian Forest Buffers been identified? Yes <input checked="" type="checkbox"/> N/A <input type="checkbox"/> <i>(If yes, they must be shown on the E&S Plan as well as the PCSM/SR Plans.)</i>					
16. Have antidegradation implementation requirements for special protection waters been addressed? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> <i>(If yes, antidegradation requirements must be included in the plan.)</i>					

17. Has the seasonal high groundwater level been identified and 20-inch separation established at all excavation locations for pits for conventional operations and Well Development Impoundments for unconventional operations?

Yes ☐ No ☐ N/A ☒

<p>18. Receiving Waters</p> <p><u>Effort Loop-</u></p> <p><u>Lake Creek (HQ-CWF,MF)</u></p> <p><u>Princess Run (CWF,MF)</u></p> <p><u>Weir Creek (CWF,MF)</u></p> <p><u>McMichael Creek (EV, MF) and (HQ-CWF)</u></p> <p><u>Pohopoco Creek (CWF,MF)</u></p> <p><u>Sugar Hollow Creek (CWF,MF)</u></p> <p><u>Poplar Creek (EV,CWF,MF)</u></p> <p><u>Mud Run (HQ-CWF, MF)</u></p> <p><u>Mud Pond Run (HQ- CWF,EV,MF)</u></p> <p><u>Tunkhannock Creek (HQ- CWF,MF)</u></p> <p><u>Regional Energy Lateral- Stony Run (HQ-CWF,MF)</u></p> <p><u>Shades Creek (HQ-CWF,MF)</u></p> <p><u>Little Shades Creek (HQ- CWF,MF)</u></p> <p><u>Snider Run (HQ-CWF,MF)</u></p> <p><u>Meadow Run (HQ-CWF,MF)</u></p> <p><u>Bear Creek (HQ-CWF,MF)</u></p> <p><u>Little Bear Creek (HQ- CWF,MF)</u></p> <p><u>Mill Creek (CWF,MF)</u></p> <p><u>Gardner Creek (CWF,MF)</u></p> <p><u>Susquehanna River (WWF,MF)</u></p> <p><u>Abrahams Creek (CWF,MF)</u></p> <p><u>Toby Creek (CWF,MF)</u></p> <p><u>Trout Brook (CWF,MF)</u></p> <p><u>Compressor Station 515- Shades Creek (HQ-CWF,MF)</u></p> <p><u>Stony Run (HQ-CWF,MF)</u></p> <p><u>Compressor Station 200- Valley Creek (EV,MF)</u></p> <p><u>Delaware River Regulator- Mud Run (CWF, MF)</u></p> <p><u>Mainline "A" Regulator - Dyers Creek (WWF,MF)</u></p> <p><u>See Attachment 1-1.1 for detailed list.</u></p>	<p>Chapter 93, Designated Use Stream Classification</p> <p><input checked="" type="checkbox"/> HQ <input checked="" type="checkbox"/> EV <input checked="" type="checkbox"/> Other <u>CWF, MF, WWF</u></p> <p><input checked="" type="checkbox"/> Siltation-impaired</p>	<p>Chapter 93, Existing Use Stream Classification</p> <p><input type="checkbox"/> HQ <input checked="" type="checkbox"/> EV <input checked="" type="checkbox"/> Other <u>MF</u></p> <p><input type="checkbox"/> Siltation-impaired</p>
	<p><input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____</p> <p><input type="checkbox"/> Siltation-impaired</p>	<p><input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____</p> <p><input type="checkbox"/> Siltation-impaired</p>

	<input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired <input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired	<input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired <input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired
Secondary Receiving Water	Secondary Chapter 93, Designated Use	Secondary Existing Use
Name of Municipal or Private Separate Storm Sewer Operator, if applicable.		
Non-Surface Receiving Water: (include off-site discharges)		

SECTION F. EROSION AND SEDIMENT CONTROL (E&S) PLAN
See the attached Instructions for additional guidance with E&S Plans

Erosion and Sediment Control Plan BMPs should be designed to minimize accelerated erosion and sedimentation through limiting the extent and duration of earth disturbance, protection of existing drainage and vegetation, limiting soil compaction and controlling the generation of increased runoff. The Department recommends the use of the *Pennsylvania Erosion & Sedimentation Pollution Control Program Manual (E&S Manual)* (363-2134-008) to achieve this goal. The E&S Plan must meet the requirements of Pa. Code § 102.4(b) and submitted with the NOI. Also, see section 2. of the NOI instruction for detailed information on completing the E&S plan and additional requirements.

a. E&S Plan Summary

Provide a summary of proposed E&S BMPs and their performance to manage E&S for the project.

Typical BMPs provided along the pipeline Right-Of-Way includes waterbars, trench plugs, compost filter socks, compost sediment traps, rock filter outlets, erosion control blankets, rock construction entrances, temporary equipment bridges, timber mats, diversion channels, level spreaders, mulch and seed. An appropriate sediment removal device (filter bag, dewatering structure) and well-vegetated area will be utilized for trench dewatering. In HQ, EV watersheds, appropriate Antidegradation Best Available Combination of Technologies (ABACT) BMPs will be utilized. Additional information regarding all the proposed BMPs are provided in the Erosion and Sedimentation Control and Site Restoration Plans of respective project components (Section 2 of this ESCGP-3 Application).

b. E&S Plan BMP Design

Check those that apply:

- ☒ E&S Plan is designed using BMPs in the *E&S Manual*.
- ☐ E&S Plan is designed using an alternative BMP or design standard approved by DEP.

Note: NOI packages submitted with alternate BMPs not approved by the Department will be returned to the Applicant.

c. Do you have any information regarding riparian buffer which differs from Section G, Riparian Buffer?

Yes ☐ No ☒

Explain:

d. Thermal Impacts Analysis

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

Thermal impacts associated with Regional Energy Access Expansion Project will be avoided to the maximum extent possible. Minimum permanent changes in land cover are being proposed for constructing the pipeline facilities. Runoff from impervious areas added during the project will be suitably routed to Stormwater BMPs. Gravel will be used for access roads wherever practicable. To avoid thermal impacts arising from clearing and grading, removal of vegetation will be limited to only that necessary for construction and construction Right-Of-Way will be limited to 75 feet in wetlands and floodways where practical. Once construction activities are complete, disturbed areas will be restored to pre-construction contours and seeded as described in Erosion and Sediment Control and Site Restoration Plans. Temporary workspaces will be restored back with woody and herbaceous species. Thermal impacts assessments corresponding to each project component including pipelines and aboveground facilities are given in Section 2 and 3 of this ESCGP-3 Application.

e. Off-Site Discharge Analysis

Does the activity propose any off-site discharges to areas other than surface waters? ☒ Yes ☐ No

If yes, it is the applicant's responsibility to ensure that they have legal authority for any off-site discharge to neighboring properties.

The applicant must provide a demonstration in both E&S and PCSM/SR plans that the discharge will not cause erosion, damage, or a nuisance to off-site properties.

See Offsite Discharge Analysis Sections in E&S Narratives

SECTION G. RIPARIAN BUFFER

1. Will you be protecting, converting or establishing a voluntary riparian forest buffer as part of this project?
☐ Yes ☒ No
If yes, as part of the PCSM/SR Plan, provide a Buffer Management Plan.
2. Will proposed earth disturbance activities be conducted in an EV or HQ watershed AND within 150 feet of a perennial or intermittent river, stream, or creek, or lake, pond, or reservoir? ☒ Yes ☐ No
If no, proceed to the next section/module.
3. Does this project qualify for an exception (see § 102.14(d)(1))? ☒ Yes ☐ No
If yes, indicate below the type of project for which the exception applies by marking the appropriate box.
☐ Oil and gas activities for which site reclamation or restoration is part of the permit authorization in Chapter 78 and 78a.
☒ Road maintenance activities.
☐ The repair or maintenance of existing pipelines and utilities.
☐ Other (see §102.14(d)(1))
If exceptions are checked, explain how existing riparian buffer will be undisturbed to the extent practicable. Provide a demonstration that the requirements of §102.14(b) are met, or provide the necessary information to request a riparian buffer waiver.
4. Are you requesting a riparian buffer waiver for this project (see § 102.14(d)(2))? ☒ Yes ☐ No
If yes, indicate below the type of project for which you are requesting a waiver by marking the appropriate box.
☒ Linear project that may include pipelines, public roadways, rail lines, or utility lines.
☒ Project is of a temporary nature where the site will be fully restored to its preexisting conditions during the ESCGP permit term.
☒ Project where compliance with mandatory riparian buffers is not appropriate or feasible due to site characteristics or existing structures at the project site.
☐ Other (see §102.14(d)(2)):
If waivers are checked, explain how existing riparian buffers will be undisturbed to the extent practicable.
Note: If "Yes" to #2 **AND** "No" to #3 and #4, provide an attachment to demonstrate how the requirements of §102.14 are met.

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PCSM) AND/OR SITE RESTORATION(SR) PLAN

See NOI Instructions for additional guidance with PCSM Plans

PCSM/SR BMPs should be designed to use natural measures to eliminate pollution, infiltrate runoff, not require extensive construction/maintenance, promote pollutant reduction, and preserve the integrity of stream channels. All PCSM/SR BMPs proposed in the PCSM/SR Plan must be designed in accordance with Ch. 102, Ch. 78a for unconventional operations, Ch. 78 for conventional operations and the *Pennsylvania Stormwater Best Management Practices Manual (Stormwater BMP Manual)* (363-0300-002). If alternate design criteria are utilized for the proposed project, they must have prior approval by the Department, or the NOI Application will be returned to the Applicant.

After construction is completed, how much of the entire disturbed area will be restored to meadow in good condition or better, or existing conditions? ☐ All ☒ Partial ☐ None

Include PCSM narrative and drawings for remaining impervious area. Also include a map showing the proposed contours of the site restoration plan.

If there are additional stages of the project prior to permit termination or expiration, list the stages and provide the documents required by subsection 'a' to section 'g' for each stage (e.g. partial restoration or changes to the amount of compacted areas, gravel, and/or impervious areas). Upload a narrative for each additional stage in addition to the drawings.

EXAMPLE

Stage No	Stage Name	PCSM Plan	SR Plan
Stage 1		<input type="checkbox"/>	<input type="checkbox"/>
Stage 2		<input type="checkbox"/>	<input type="checkbox"/>
Stage 3		<input type="checkbox"/>	<input type="checkbox"/>
Stage 4		<input type="checkbox"/>	<input type="checkbox"/>

Act 167 Consistency. Check those that apply.

Is there an Act 167 Plan? ☒ Yes ☐ No

☒ The attached PCSM/SR Plan is consistent with an applicable approved Act 167 Plan.

Complete the following for all approved Act 167 Stormwater Management Plans. (Use additional sheets if necessary)

Act 167 Plan Name _____ Date Adopted _____ Consistency Letter Included ☐

Luzerne County Stormwater August 18, 2010 Verification Report Included ☒

Management Ordinance

Valley Creek Watershed Stormwater February 04, 2011

Management Plan

Note: A consistency letter is not required if a verification report is provided. See NOI Instructions. The PCSM/SR Plan must satisfy either sub paragraph 1, 2, or 3 below. Check those that apply.

1. ☒ Act 167 Plan approvals on or after January 2005 – The attached PCSM/SR Plan, in its entirety, is consistent with all requirements pertaining to rate, volume, and water quality from an Act 167 Stormwater Management Plan approved by DEP on or after January 2005. Box 1 must be checked if a current, DEP approved Act 167 plan exists.
2. ☒ The PCSM/SR Plan meets the standard design criteria from sections 102.8(g)(2) and (3) and the *Stormwater BMP Manual*. For projects involving oil and gas activities authorized by a permit issued under Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure, post construction stormwater management requirements are met for all areas that are restored to preconstruction conditions or to a condition of meadow in good condition or better. *[Note: PCSM plans must meet both the volume and rate requirements in the regulations, which are provided in the 2 sections mentioned in this paragraph].*
3. ☐ Alternative Design Standard – The attached PCSM/SR Plan was developed using approaches as provided in 102.8(g)(2)(iv) and 102.8(g)(3)(iii). Demonstrate/explain in the space provided below how this standard will be either more protective than what is required in 102.8(g)(2) and 102.8(g)(3) or will maintain and protect existing water quality and existing and designated uses.

PCSM/SR BMP Alternative Standards:

Has the alternative BMP or design standard been approved by the Department?

☐ Yes

☐ No – Do not submit the ESCGP-3 application and see Section (H) of the NOI Instructions concerning the alternative BMP approval process.

Water Quality Compliance:

Does the PCSM/SR plan comply with requirements for volume control? ☒ Yes ☐ No

If yes, is at least 90% of the disturbed area controlled by a PCSM BMP? ☒ Yes ☐ No

If yes, do you have the Standard PCSM Worksheet # 10 attached to show water quality compliance has achieved?

☒ Yes ☐ No

If no, attach Standard PCSM Worksheets # 12 and #13 to show water quality compliance has achieved.

If PCSM/SR plan is not complying with the requirements for volume control, attach Standard PCSM Worksheets # 11, # 12 and #13 to show water quality compliance has achieved.

a. PCSM/SR Plan Summary

Provide a summary of proposed BMPs and their performance to manage PCSM/SR for the project.

Along the pipeline Right-Of-Way, typical E&S BMPs such as waterbars and erosion control blanket will be left in place as part of site restoration. After construction activities are completed, temporary workspaces will be restored to meadow in good condition or better than existing conditions. For the aboveground facilities, PCSM BMPs such as infiltration basins, diversion channels and vegetated swales will be used and left in place as part of site restoration. Additional information regarding all the proposed BMPs are provided in the Post-Construction Stormwater Management Plans of respective project components (Section 3 of this ESCGP-3 Application).

Check all that apply ☒ PCSM BMPs ☒ SR BMPs

b. Do you have any information regarding riparian buffer which differs from what was submitted in the Section G, Riparian Buffer?

☐ Yes ☒ No

Explain:

c. Thermal Impacts Analysis

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

Runoff collected in PCSM BMPs such as infiltration basins will mitigate thermal impacts from post construction stormwater. Runoff collected in infiltration basins are discharged to receiving waters are not expected to be retained for more than 24 hours. Minimum permanent changes in land cover are being proposed for constructing the pipeline facilities. Gravel will be used for access roads wherever practicable. Removal of trees and riparian vegetation and addition of impervious surfaces will be limited to only that necessary for construction. Once construction activities are complete, disturbed areas will be restored to pre-construction contours and seeded as described in Erosion and Sedimental Control and Site Restoration Plans. Temporary workspaces will be restored back with woody and herbaceous species. Thermal impacts assessments corresponding to each project component including pipelines and aboveground facilities are given in Section 2 and 3 of this ESCGP-3 Application.

d. Off-Site Discharge Analysis.

Does the activity propose any off-site discharges to areas other than surface waters? ☒ Yes ☐ No

If yes, it is the applicant's responsibility to ensure that they have legal authority for any off-site discharge to neighboring properties.

The Applicant must provide a demonstration in both the E&S and PCSM/SR Plans that the discharge will not cause erosion, damage, or a nuisance to off-site properties.

See Offsite Discharge Analysis Sections in PCSM Narratives

NOI Section H. POST CONSTRUCTION STORMWATER MANAGEMENT (PCSM) PLANS

Summary Calculations of Post Construction Stormwater BMPs

1. Regional Energy Lateral Pipeline - MLV-515RA20
2. Regional Energy Lateral Pipeline - MLV-515RA30
3. Regional Energy Lateral Pipeline - Carverton Tie-in
4. Regional Energy Lateral Pipeline - Lower Demunds REL Tie-in
5. Regional Energy Lateral Pipeline – Hildebrandt Tie-in/MLV-515RA40
6. Effort Loop Pipeline - MLV-505LD86
7. Compressor Station 200
8. Compressor Station 515

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - MLV-515RA20 - Zenker Valve Yard

e. Summary Table for Supporting Calculation and Measurement Data
(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Mill Creek			
Volume Control design storm frequency 2-year Rainfall amount 2.95 inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.19	+0.19
Volume of stormwater runoff (acre- feet) without planned stormwater BMPs	0.04	0.06	+0.02
Volume of stormwater runoff (acre- feet) with planned stormwater BMPs		0.03	-0.01
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	3.51	3.22	-0.29
2) 10-Year/24-Hour	6.82	6.17	-0.65
3) 50-year/24-Hour	11.88	11.12	-0.76
4) 100-year/24-Hour	14.91	14.91	-0.00

f. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Vegetated Swale	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input checked="" type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ <u>1,396cf(2-yr);</u> <u>6,186cf(100-yr)</u>	_____ _____ <u>0.28</u>
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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g. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Dry Extended Detention Basin area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Channels to ensure they have been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Dry Extended Detention Basin to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Dry Extended Detention Basin the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. At completion of Collection Channel C1 to ensure it has been constructed to the proposed line and grade, the specified lining material has been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
6. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to Collection Channel C1.
7. For final inspection of constructed BMPs.
8. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR TRANSMISSION FACILITIES

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - MLV-515RA30 - Wyoming Valve Yard

b. Summary Table for Supporting Calculation and Measurement Data (See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Susquehanna-Solomon Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>2.57</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.24	+0.24
Volume of stormwater runoff (acre- feet) without planned stormwater BMPs	0.03	0.06	+0.03
Volume of stormwater runoff (acre- feet) with planned stormwater BMPs		0.03	-0.00
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.22	0.02	-0.20
2) 10-Year/24-Hour	0.68	0.03	-0.65
3) 50-year/24-Hour	1.52	0.06	-1.46
4) 100-year/24-Hour	2.06	0.07	-1.99

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Soil Amendment	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>451cf(2-yr);</u> <u>2,511cf(100-yr)</u> _____ _____ _____ _____	_____ <u>0.21</u> _____ _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input checked="" type="checkbox"/> Other <u>Vegetated Swale</u>	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	 <u>1,009cf(2-yr):</u> <u>4,264cf(100-yr)</u>	 <u>0.49</u>
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Vegetated Swale area has been flagged and fence erected to prevent access to the area.
2. At the beginning of construction of the Vegetated Swale to ensure the infiltration area has not been compacted by construction activities.
3. During construction of the Vegetated Swale the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
4. At completion of Collection Channel C1 to ensure it has been constructed to the proposed line and grade, the specified lining material has been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the infiltration berm.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - Carverton Tie-In

<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i></p> <p>The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Abrahams Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>2.61</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.03	0.11	+0.08
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.02	0.03	+0.01
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.00	-0.02
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.46	0.00	-0.46
2) 10-Year/24-Hour	0.91	0.00	-0.91
3) 50-year/24-Hour	1.61	0.00	-1.61
4) 100-year/24-Hour	2.01	0.00	-2.01

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>1,280cf (2-yr);</u> <u>4,445cf(100-yr)</u>	_____ _____ _____ _____ <u>0.26</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. At the beginning of construction to ascertain the Infiltration Berm area has been flagged and fence erected to prevent access to the area.
2. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the infiltration berm.
3. At the beginning of construction of the Infiltration Berm to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the infiltration berm the licensed professional will observe that the berm is constructed in accordance with the plans and specifications.
5. For final inspection of constructed BMPs.
6. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - Lower Demunds REL Tie-In

<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i></p> <p>The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Toby Creek			
Volume Control design storm frequency 2-year Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.12	+0.12
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.02	0.04	+0.02
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.01	-0.01
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.20	0.00	-0.20
2) 10-Year/24-Hour	0.40	0.00	-0.40
3) 50-year/24-Hour	0.71	0.20	-0.51
4) 100-year/24-Hour	0.89	0.51	-0.38

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>1,481cf(2-yr);</u> <u>4,356cf(100-yr)</u> _____ _____ _____	_____ <u>0.17</u> _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Valve Yard Pad area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Berm/Channel to ensure it has been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Valve Yard Pad to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Valve Yard Pad the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the outlet structure.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline – MLV-515RA40-Hildebrandt Tie-In

b. Summary Table for Supporting Calculation and Measurement Data

(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Toby Creek

Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.0	0.22	+0.22
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.03	0.07	+0.04
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.01	-0.02
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.34	0.20	-0.14
2) 10-Year/24-Hour	0.67	0.38	-0.29
3) 50-year/24-Hour	1.20	0.65	-0.55
4) 100-year/24-Hour	1.52	0.80	-0.72

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Vegetated Swale	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>2,265cf(2-yr);</u> <u>5,881cf(100-yr)</u>	_____ <u>0.21</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____

<input type="checkbox"/> Roadside Vegetated Filter Strips		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Stormwater Energy Dissipaters	Infiltration/Recharge			
<input type="checkbox"/> Level Spreaders		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Riprap Aprons		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Upslope Diversions		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Other _____		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____

d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Valve Yard Pad area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Channel to ensure it has been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Valve Yard Pad to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Valve Yard Pad the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the outlet structure.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR TRANSMISSION FACILITIES

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Effort Loop Pipeline-MLV-505LD86 Sugar Hollow Valve Yard

b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i> The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.			
Watershed Name: Pohopoco Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.26</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.09	0.62	+0.53
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.35	0.44	+0.09
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.28	-0.07
Stormwater discharge rate for the design frequency storm DA-1	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.01	0.01	-0.00
2) 10-Year/24-Hour	0.37	0.31	-0.06
3) 50-year/24-Hour	5.89	4.21	-1.68
4) 100-year/24-Hour	11.47	8.28	-3.19
Stormwater discharge rate for the design frequency storm DA-2	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	4.51	3.97	-0.54
2) 10-Year/24-Hour	12.49	12.28	-0.21
3) 50-year/24-Hour	26.58	24.35	-2.23
4) 100-year/24-Hour	35.41	31.74	-3.67

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input checked="" type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ <u>1,123cf(2-yr);</u> <u>21,318cf(100-yr)</u> _____ <u>5,915cf(2-yr);</u> <u>26,924cf(100-yr)</u>	_____ _____ <u>2.85</u> _____ <u>1.54</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. For the final grading of the access road, ensuring it is constructed according to the plan details for proper conveyance of runoff.
2. Following final grading and seeding of the diversion channels and basin, in order to confirm they have been constructed according to the plan details for proper collection and conveyance of runoff. Periodic assessments will need to be made to ensure accumulated sediment have been cleaned out so the channels and basin maintain the necessary design volumes.
3. During the layout and excavation of the outlet control structure, the professional or delegate will ensure sizing, materials specifications, and construction procedures are followed to enable proper storage in the basin.
4. Following final grading and seeding of the infiltration berm in order to confirm they have been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessment will need to be made to ensure that accumulated sediment have been cleaned out so the area behind the berm maintains the necessary design volume.
5. For final inspection of constructed channels, basin and berms.
6. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

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b. Summary Table for Supporting Calculation and Measurement Data

(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Valley Creek

Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.30</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.25	0.40	+0.15
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.07	0.11	+0.04
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.07	-0.00
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	1.03	0.15	-0.88
2) 10-Year/24-Hour	2.06	1.39	-0.67
3) 50-year/24-Hour	3.19	2.79	-0.40
4) 100-year/24-Hour	3.97	3.50	-0.47

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>3,790cf(2-yr);</u> <u>11,631cf(100-yr)</u>	_____ _____ _____ _____ <u>0.56</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____ _____	_____ _____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Following final grading and seeding of the infiltration berm in order to confirm it has been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessments will need to be made to ensure that accumulated sediment should be cleaned out so the channels and berm maintain necessary design volume.
2. For final inspection of constructed BMPs.
3. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E & S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESGCP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

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<p align="center">b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i></p> <p>The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Bear Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.34	2.44	+2.10
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.50	0.81	+0.31
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.18	-0.32
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	5.46	1.76	-3.70
2) 10-Year/24-Hour	10.19	8.30	-1.89
3) 50-year/24-Hour	16.85	9.55	-7.30
4) 100-year/24-Hour	20.81	9.58	-11.23

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>31,799cf(2-yr):</u> <u>96,268cf(100-yr)</u>	_____ _____ _____ _____ <u>3.83</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

- Following final grading and seeding of the collection channels and infiltration berm in order to confirm they have been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessments will need to be made to ensure that accumulated sediment should be cleaned out so the channels and berm maintain necessary design volume.
- For final inspection of constructed BMPs.
- At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E & S controls.

SECTION I. ANTIDegradation ANALYSIS

This section must be completed where earth disturbance activities will be conducted in the watershed of a surface water with an existing or designated use of exceptional value or high quality pursuant to Chapter 93 (relating to water quality standards), projects where any part is located in an exceptional value wetland in accordance with 25 Pa. Code § 105.17, and projects where any part is located in the watershed of an impaired surface water where the cause of impairment is identified as siltation.

Part 1 - NONDISCHARGE ALTERNATIVES EVALUATION

The applicant must consider and describe any and all non-discharge alternatives for the entire project area which are environmentally sound and will:

- Minimize accelerated erosion and sedimentation during the earth disturbance activity
- Achieve no net change from pre-development to post-development volume, rate and concentration of pollutants in water quality

E & S Plan	PCSM/SR Plan
<p>Check off the environmentally sound nondischarge Best Management Practices (BMPs) listed below to be used prior to, during, and after earth disturbance activities that have been incorporated into your E & S Plan based on the site analysis. For non-discharge BMPs not checked, provide an explanation of why they were not utilized. Also for BMPs checked, provide an explanation of why they were utilized. (Provide the analysis and attach additional sheets if necessary)</p> <p>See Section 2 of this ESCGP-3 Application</p>	<p>Check off the environmentally sound nondischarge Best Management Practices (BMPs) listed below to be used after construction that have been incorporated into the PCSM/SR Plan based on your site analysis. For non-discharge BMPs not checked, provide an explanation of why they were not utilized. Also for BMPs checked, provide an explanation of why they were utilized. (Provide the analysis and attach additional sheets if necessary)</p> <p>See Section 3 of this ESCGP-3 Application</p>
<p>Nondischarge BMPs</p> <div style="margin-left: 20px;"> <input type="checkbox"/> Alternative Siting <div style="margin-left: 20px;"> <input type="checkbox"/> Alternative location <input type="checkbox"/> Alternative configuration <input type="checkbox"/> Alternative location of discharge </div> <input checked="" type="checkbox"/> Limited Disturbed Area <input type="checkbox"/> Limiting Extent & Duration of Disturbance (Phasing, Sequencing) <input type="checkbox"/> Riparian Buffers (150 ft. min.) <input type="checkbox"/> Riparian Forest Buffer (150 ft. min.) <input type="checkbox"/> Other _____ </div>	<p>Nondischarge BMPs</p> <div style="margin-left: 20px;"> <input type="checkbox"/> Alternative Siting <div style="margin-left: 20px;"> <input type="checkbox"/> Alternative location <input type="checkbox"/> Alternative configuration <input type="checkbox"/> Alternative location of discharge </div> <input type="checkbox"/> Low Impact Development (LID / BSD) <input type="checkbox"/> Riparian Buffers (150 ft. min.) <input type="checkbox"/> Riparian Forest Buffer (150 ft. min.) <input checked="" type="checkbox"/> Infiltration <input type="checkbox"/> Water Reuse <input type="checkbox"/> Other _____ </div>
<p>Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality during construction?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, antidegradation analysis is complete. If no, proceed to Part 2.</p>	<p>Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality after construction?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, antidegradation analysis is complete. If no, proceed to Part 2.</p>

PART 2 - ANTIDEGRADATION BEST AVAILABLE COMBINATION OF TECHNOLOGIES (ABACT)

If the net change in stormwater discharge from or after construction is not fully managed by nondischarge BMPs, the applicant must utilize ABACT BMPs to manage the difference. The Applicant must specify whether the discharge will occur during construction, post-construction or both, and identify the technologies that will be used to ensure that the discharge will be a non-degrading discharge. ABACT BMPs include but are not limited to:

E & S Plan	PCSM/SR Plan
<p><input checked="" type="checkbox"/> Treatment BMPs:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Sediment basin with skimmer <input type="checkbox"/> Sediment basin ratio of 4:1 or greater (flow length to basin width) <input type="checkbox"/> Sediment basin with 4-7 day detention <input type="checkbox"/> Flocculants <input checked="" type="checkbox"/> Compost Filter Socks <input checked="" type="checkbox"/> Compost Filter Sock Sediment Basin <input checked="" type="checkbox"/> RCE w/ Wash Rack <p><input checked="" type="checkbox"/> Land disposal:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Vegetated filters <input type="checkbox"/> Riparian buffers <150ft. <input type="checkbox"/> Riparian Forest Buffer <150ft. <input checked="" type="checkbox"/> Immediate stabilization <p><input checked="" type="checkbox"/> Pollution prevention:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> PPC Plans <input checked="" type="checkbox"/> Street sweeping <input checked="" type="checkbox"/> Channels, collectors and diversions lined with permanent vegetation, rock, geotextile or other non-erosive materials <p><input type="checkbox"/> Stormwater reuse technologies:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Sediment basin water for dust control <input type="checkbox"/> Sediment basin water for irrigation <p><input type="checkbox"/> Other _____</p>	<p><input checked="" type="checkbox"/> Treatment BMPs:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Infiltration Practices <input type="checkbox"/> Wet ponds <input type="checkbox"/> Created wetland treatment systems <input checked="" type="checkbox"/> Vegetated swales <input type="checkbox"/> Manufactured devices <input checked="" type="checkbox"/> Bio-retention/infiltration <input type="checkbox"/> Green Roofs <p><input type="checkbox"/> Land disposal:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Vegetated filters <input type="checkbox"/> Riparian Buffers <150ft. <input type="checkbox"/> Riparian Forest Buffer <150ft. <input type="checkbox"/> Disconnection of roof drainage <input type="checkbox"/> Bio-retention/bio-infiltration <p><input checked="" type="checkbox"/> Pollution prevention:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Street sweeping <input type="checkbox"/> Nutrient, pesticide, herbicide or other chemical application plan alternatives <input checked="" type="checkbox"/> PPC Plans <input checked="" type="checkbox"/> Non-structural Practices <input checked="" type="checkbox"/> Restoration BMPs <p><input type="checkbox"/> Stormwater reuse technologies:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Divert rainwater into impoundment <input type="checkbox"/> Underground storage <p><input type="checkbox"/> Spray/Drip Irrigation</p> <p><input type="checkbox"/> Other _____</p>
<p>Are the ABACT BMPs selected sufficient to minimize E&S discharges to the extent that existing or designated surface water uses are protected?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.</p>	<p>Are the ABACT BMPs selected sufficient to achieve no net change and assure that existing or designated surface water uses are protected?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.</p>

SECTION J. COMPLIANCE HISTORY REVIEW

Is/was the applicant(s) in violation of any Department regulation, order, schedule of compliance or permit or in violation of any department regulated activities within the past five years?

☒ Yes ☐ No

If yes, provide the permit number or facility name, a brief description of the violation, the compliance schedule (including dates and steps to achieve compliance) and the current compliance status. (Attach additional information on a separate sheet, when necessary)

Permit Program or Activity: Chapter 102, Chapter 105, PAG-10

Permit Number (if applicable):

1. ESG03000150001, ESG00350150001, ESG00081150001
2. E41-649
3. E-19-311, E36-947, E-38-195, E40-769, E49-336, E54-360, E58-315, E66-160, E41-667, E18-495,
4. PAG109632

Brief Description of non-compliance:

Consent Assessment of Civil Penalty, Reports past due.

Steps taken to achieve compliance

1. Consent Assessment of Civil Penalty
2. Consent Assessment of Civil Penalty. Permits being obtained to complete channel restoration
3. Consent Assessment of Civil Penalty
4. All past due reports were provided to PADEP

Date(s) compliance achieved



1. 9/20/2020
2. 8/9/2020
3. 9/20/2020
4. 12/14/2017

Current Compliance Status: ☒ In-Compliance ☐ In Non-Compliance

If in non-compliance, attach schedule for achieving compliance.

SECTION K. CERTIFICATION BY PERSON PREPARING E&S AND PCSM/SR PLANS

I do hereby certify to the best of my knowledge, information, and belief, that the Erosion and Sediment Control and PCSM/Site Restoration Plans are true and correct, represent actual field conditions, and are in accordance with the 25 Pa. Code Chapters 78/78a and 102 of the Department's rules and regulations. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Print Name Kevin C. Clark	Signature 	Professional Seal 	
Company BAI Group, LLC			
Address 2525 Green Tech Drive, Suite D, State College, PA-16803			
Phone (814) 238-2060			
Most Recent DEP Training Attended	Location		Date
e-Mail Address kclark@baigroupllc.com			

EXPEDITED REVIEW PROCESS

In addition to the certification required above, applicants using the expedited permit review process must attach an E&S and PCSM/Site Restoration Plans developed and sealed by a licensed professional engineer, surveyor or professional geologist. The plans shall contain the following certification:

I do hereby certify to the best of my knowledge, information, and belief, that the E & S Control and PCSM/SR BMPs are true and correct, represent actual field conditions and are in accordance with the 25 Pa. Code Chapters 78 / 78a and 102 of the Department's rules and regulations. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SECTION L. APPLICANT CERTIFICATION

Applicant Certification

I certify under penalty of law, as provided by 18 Pa. C.S.A. § 4904, that this application and all related attachments were prepared by me or under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my own knowledge and on inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. The responsible official's signature also verifies that the activity is eligible to participate in the ESCGP, and that the applicant agrees to abide by the terms and conditions of the permit. BMP's, E&S Plan, PPC Plan, PCSM Plan, and other controls are being or will be, implemented to ensure that water quality standards and effluent limits are attained.

I grant permission to the agencies responsible for the permitting of this work, or their duly authorized representative to enter the project site for inspection purposes. I will abide by the conditions of the permit if issued and will not begin work prior to permit issuance.

(For individuals no indication of title is necessary, choose the box below. All others proceed to the next paragraph)

☐ **Individual; proceed to signature portion.**

I hereby certify under penalty of law, as provided by 18 Pa. C.S.A. § 4904, that I am the person who is responsible for decision-making regarding environmental compliance functions for Transcontinental Gas Pipeline Company, LLC, the manager of one or more manufacturing, production, or operating facilities of the applicant and am authorized to make management decisions which govern the operation of regulated facility including having explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure the applicant's long term environmental compliance with environmental laws and regulations; and I am responsible for ensuring that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements.

(choose one of the following; not applicable for individuals):

☐ The responsible corporate officer ☐ president ☐ vice president ☐ secretary
☐ treasure of _____ Corporation/Company
Entity name

☒ The ☐ member or ☒ manager of Transcontinental Gas Pipe Line Company, LLC
Entity name

☐ The general partner of _____ partnership/LP/LLP
Entity name

☐ The principal executive officer or ranking elected official of _____ Municipality/State/Federal/other public
agency
Entity name

☐ Power of Attorney/delegation of contractual authority (documentation supporting delegation of contracting
authority must be provided) for _____
Entity name

Print Name and Title of Applicant

Print Name and Title of Co-Applicant (if applicable)

Signature of Applicant

Signature of Co-Applicant

Date Application Signed

Date Application Signed

Notarization

Sworn to and subscribed to before me this

Commonwealth of Pennsylvania

_____ day of _____, 20_____

County of _____

My Commission expires _____

Notary Public

AFFIX SEAL

SECTION M. ADDITIONAL CONTACT INFORMATION			
Contact's Last Name	First Name	MI	Phone (814) 689-1650
Nelson	Ryan	J	FAX
Mailing Address	City	State	ZIP + 4
2525 Green Tech Drive, Suite B	State College	PA	16803
e-Mail Address ryann@whmgroup.com			

Section 1-1.1 NOI Supporting Information

Project Component	Site	Site Location City	ZIP Code	County	Municipality	Total Project Area/Project Site (Acre)	Total Disturbed Area (Acre)	Latitude / Longitude	U.S.G.S. 7.5 min. Topographic Quadrangle	Receiving Waters	Chapter 93, Designated Use Stream Classification	Chapter 93, Existing Use Stream Classification	Siltation Impaired
Regional Energy Lateral	Pipeline			Luzerne	Buck, Bear Creek, Plains, Jenkins, Kingston, Dallas, Wyoming, West Wyoming, Laflin	952.63	420.67 (includes CS 515 and sites below)	41.173337, -75.671706 (eastern terminus) 41.346917, -75.946263 (western terminus)	Kingston, Pittston, Avoca, Wilkes-Barre East, Pleasant View Summit	Stony Run, Shades Creek, Little Shades Creek, Snider Run, Meadow Run, Bear Creek, Little Bear Creek, Mill Creek, Gardner Creek, Susquehanna River, Abrahams Creek, Toby Creek, Trout Brook	MF, HQ-CWF, WWF, CWF	-	No
	CY-LU-001	Wyoming	18644	Luzerne	Wyoming		16.3 (Included within above total)	41.31016, -75.84636		Abrahams Creek	CWF, MF	-	No
	CY-LU-002	Wilkes-Barre	18702	Luzerne	Laflin		11.4 (Included within above total)	41.28491, -75.79026		Gardner Creek	CWF, MF	-	No
	MLV-515RA20	Wilkes-Barre	18702	Luzerne	Bear Creek Township		0.46 (Included within above total)	41.25279, -75.75856		Mill Creek	CWF, MF	-	No
	MLV-515RA30	Wyoming	18644	Luzerne	Wyoming Borough		0.44 (Included within above total)	41.30411, -75.84662		Susquehanna River	WWF		No
	Carverton Tie-in	Wyoming	18644	Luzerne	West Wyoming Borough		3.9 (Included within above total)	41.32053, -75.87270		Abrahams Creek	CWF, MF		No
	Lower Demunds REL Tie-in	Dallas	18612	Luzerne	Dallas Township		1.7 (Included within above total)	41.34652, -75.94551		Trout Brook	CWF, MF		No
	Hildebrandt Tie-in/MLV-515RA40	Dallas	18612	Luzerne	Dallas Township		3.1 (Included within above total)	41.34692, -75.94629		Toby Creek, Trout Brook	CWF, MF		No
	Laflin Borough Stream Stabilization	Wilkes-Barre	18702	Luzerne	Laflin Borough		0.94 (Included within above total)	41.28925, -75.80209		Gardner Creek	CWF, MF	-	No
Effort Loop	Pipeline			Monroe	Ross, Chestnuthill, Tunkhannock	360.63	262.18	40.896796, -75.370606 (Southeast Terminus) 41.053413, -75.526178 (Northwest Terminus)	Blakeslee, Pocono Pines, Brodheads ville, Saylorsburg	Lake Creek, Princess Run, Weir Creek, McMichael Creek, Pohopoco Creek, Sugar Hollow Creek, Poplar Creek, Mud Run, Mud Pond Run, Tunkhannock Creek	EV, MF, HQ-CWF, CWF	EV, MF	No

Regional Energy Access Expansion Project
ESCGP-3 Permit Application
Transcontinental Gas Pipe Line Company, LLC
Section 1-1.1 NOI Supporting Information

Project Component	Site	Site Location City	ZIP Code	County	Municipality	Total Project Area/Project Site (Acre)	Total Disturbed Area (Acre)	Latitude / Longitude	U.S.G.S. 7.5 min. Topographic Quadrangle	Receiving Waters	Chapter 93, Designated Use Stream Classification	Chapter 93, Existing Use Stream Classification	Siltation Impaired
	MLV-505LD86 Sugar Hollow Valve Yard	Effort	18330	Monroe	Chestnut Hill Township		8.8 (Included within above total)	40.96775, -75.42980		Sugar Hollow Creek	CWF, MF	-	No
	CY-MO-001	Saylorsburg	18353	Monroe	Ross Township		50.1 (Included within above total)	40.89803, -75.36784		Lake Creek, Princess Run	HQ-CWF, MF, CWF	-	No
Delaware River Regulator		Easton	18040	Northampton	Lower Mt. Bethel	11.28	3.25	40.76220 -75.19653	Bangor, PA	Mud Run	CWF, MF	-	No
Mainline “A” Regulator		Washington Crossing	18977	Bucks	Lower Makefield	0.94	0.530	40.26807, -74.85712	Pennington, NJ-PA	Dyers Creek, Delaware River	MF, WWF	-	No
Compressor Station 200		Frazer	19335	Chester	East Whiteland	20.28	3.16	40.04998, -75.58589	Malvern, PA	Valley Creek	EV, MF, CWF	-	Yes
Compressor Station 515		White Haven	18661	Luzerne	Buck	952.63 (Included with Regional Energy Lateral)	24.83 (included with Regional Energy Lateral)	41.17380, -75.67118	Pleasant View Summit, PA	Shades Creek, Stony Run	HQ-CWF, MF	-	No



COUNTY NOTIFICATION OF PLANNED LAND DEVELOPMENT FOR CHAPTER 102 PERMITS

PROJECT INFORMATION (COMPLETED BY APPLICANT)

Applicant Name: **Transcontinental Gas Pipe Line Company, a subsidiary of Williams Partners, L.P.**

Applicant Address: **2800 Post Oak Blvd, Level 11**

Applicant City, State, ZIP: **Houston, TX 77056**

Contact Name: **Joseph Dean
Manager-Permitting**

Contact Phone: **(713) 215-3427**

County: **Monroe**

Municipality: **Ross, Chestnuthill,
Tunkhannock**

Description of Proposed Land Development and Stormwater Controls:

The Effort Loop component of the Regional Energy Access Expansion Project will consist of approximately 13.8 miles of 42-inch pipeline co-located with existing Transco Leidy Lines between Mileposts 43.72 and 57.50 in Ross, Chestnuthill and Tunkhannock Townships, Monroe County. The new pipeline will tie-in to the existing 42-in Leidy Line "D" on both ends, completing the segment. With the segment completed, the existing pig traps (industry term for manifolds that launch or receive in-line inspection tools) at both tie-ins will no longer be needed and will therefore be removed, while the existing mainline valves will remain. Transco will be installing a new mainline valve and appurtenant equipment at Milepost 49.6 off of Sugar Hollow Road. The valve installation is a means to isolate gas flows. One Contractor Yard is proposed at the east end of the pipeline at MP 43.72. One remote anode groundbed is proposed at MP 43.72. E&S and PCSM BMP's are proposed.

Project Area: **360.63** acres ☐ Phased

Disturbance: **262.18** acres

Surface Waters Receiving Stormwater Discharges:
Lake Creek, Princess Run, Weir Creek, McMichael Creek, Pohopoco Creek, Sugar Hollow Creek, Poplar Creek, Mud Run, Mud Pond Run, Tunkhannock Creek

Tax Parcel ID(s) Affected by Proposed Land Development:

See attached table

Discharge to: ☐ MS4 ☐ Other SS ☐ CSS

The following information was submitted to the county for this project:

☐ Land Development / Subdivision Plan ☒ E&S Plan ☒ PCSM Plan ☐ Other:

***On March 31, 2021 Transco submitted to you its E&S and PCSM Plans (Plans) as part of the ESCGP-3 permit application notification. The purpose of this notice is to let you know that Transco will be submitting an Erosion and Sediment Control Permit for Discharges of Stormwater Associated with Construction Activities Application to the PA Dept. of Environmental Protection to replace the ESCGP-3 application. Please refer to the previously submitted Plans.**

COUNTY PLAN INFORMATION (COMPLETED BY COUNTY)

Name of county organization completing this assessment:

- | | | | |
|--|------------------------------|-----------------------------|------------------------------|
| 1. Is there an adopted county or multi-county comprehensive plan? | <input type="checkbox"/> Yes | <input type="checkbox"/> No | |
| 2. If Yes to #1, is the proposed project consistent with the county plan? | <input type="checkbox"/> Yes | <input type="checkbox"/> No | |
| 3. Is there a DEP-approved Act 167 stormwater management plan? | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> CCD |
| 4. If Yes to #3, is the proposed project consistent with the Act 167 plan, without waiver? | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> CCD |
| 5. If Yes to #3, list the date of the latest plan / update approved by DEP: | | | <input type="checkbox"/> CCD |

APPLICANT CERTIFICATION

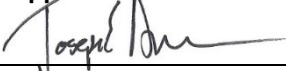
I certify under penalty of law (see 18 Pa.C.S. § 4904 (relating to unsworn falsification)) that the information reported herein was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the information, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

COUNTY ACKNOWLEDGEMENT

The county acknowledges that a permit application for the above-referenced project has been submitted to a reviewing agency and that notification requirements of Act 14 of 1984 and Acts 67, 68, and 127 of 2000 have been satisfied. The information reported herein by the county is true and accurate. County acknowledgment of receipt of notification shall not be construed as project approval.

Joseph Dean

Applicant Name



Applicant Signature

Manager - Permitting

Applicant Title

07/01/2021

Date of Signature

County Representative Name

County Representative Signature

County Representative Title

Date of Signature

Tax Account Number/APN	Legal Desc County	Municipality
02/111157	Monroe	Chestnuthill
02/112293	Monroe	Chestnuthill
02/113019	Monroe	Chestnuthill
02/113022	Monroe	Chestnuthill
02/113418	Monroe	Chestnuthill
02/116754	Monroe	Chestnuthill
02/116777	Monroe	Chestnuthill
02/116778	Monroe	Chestnuthill
02/116779	Monroe	Chestnuthill
02/14/1/28-4	Monroe	Chestnuthill
02/14/1/4-5	Monroe	Chestnuthill
02/14/1/6	Monroe	Chestnuthill
02/14/1/7-4	Monroe	Chestnuthill
02/14/1/7-5	Monroe	Chestnuthill
02/14B/1/100	Monroe	Chestnuthill
02/14B/1/101	Monroe	Chestnuthill
02/14B/1/107	Monroe	Chestnuthill
02/14B/1/108	Monroe	Chestnuthill
02/14B/1/122	Monroe	Chestnuthill
02/14B/1/123	Monroe	Chestnuthill
02/14B/1/76	Monroe	Chestnuthill
02/14B/1/82	Monroe	Chestnuthill
02/14B/1/83	Monroe	Chestnuthill
02/14B/1/84	Monroe	Chestnuthill
02/14B/1/85	Monroe	Chestnuthill
02/14B/1/86	Monroe	Chestnuthill
02/14B/1/99	Monroe	Chestnuthill
02/14C/1/5	Monroe	Chestnuthill
02/14C/1/6	Monroe	Chestnuthill
02/14C/2/27	Monroe	Chestnuthill
02/14C/2/28	Monroe	Chestnuthill
02/14C/2/29	Monroe	Chestnuthill
02/14C/2/30	Monroe	Chestnuthill
02/14C/2/35	Monroe	Chestnuthill
02/14C/2/36	Monroe	Chestnuthill
02/14C/2/37	Monroe	Chestnuthill
02/14C/2/38	Monroe	Chestnuthill
02/14C/2/39	Monroe	Chestnuthill
02/14C/2/40	Monroe	Chestnuthill
02/14C/2/41	Monroe	Chestnuthill
02/14C/2/42	Monroe	Chestnuthill
02/14C/2/44	Monroe	Chestnuthill

02/14C/2/87	Monroe	Chestnuthill
02/14C/2/88	Monroe	Chestnuthill
02/14C/2/89	Monroe	Chestnuthill
02/14C/2/90	Monroe	Chestnuthill
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02/14F/1/15	Monroe	Chestnuthill
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02/14F/1/8	Monroe	Chestnuthill
02/14F/1/9	Monroe	Chestnuthill
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02/2/1/26-11	Monroe	Chestnuthill
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02/2/1/26-7	Monroe	Chestnuthill
02/2/1/26-8	Monroe	Chestnuthill
02/2/1/26-9	Monroe	Chestnuthill
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02/3/1/45-8	Monroe	Chestnuthill
02/3/1/56	Monroe	Chestnuthill
02/3/1/57	Monroe	Chestnuthill
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02/3/1/61	Monroe	Chestnuthill

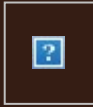
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02/7/1/46-12	Monroe	Chestnuthill
02/7/1/46-13	Monroe	Chestnuthill
02/7/1/47	Monroe	Chestnuthill
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02/8/1/35-14	Monroe	Chestnuthill
02/8/1/35-16	Monroe	Chestnuthill
02/8/1/35-17	Monroe	Chestnuthill
02/8/1/35-18	Monroe	Chestnuthill
02/8/1/35-2	Monroe	Chestnuthill
02/8/1/35-4	Monroe	Chestnuthill
02/8/1/35-7	Monroe	Chestnuthill
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02/86523	Monroe	Chestnuthill
02/86524	Monroe	Chestnuthill

02/86561	Monroe	Chestnuthill
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02/86564	Monroe	Chestnuthill
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02/8C/2/3	Monroe	Chestnuthill
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02/92517	Monroe	Chestnuthill
02/9A/1/27	Monroe	Chestnuthill
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02/9A/2/15	Monroe	Chestnuthill
02/9A/2/16	Monroe	Chestnuthill
02/9A/2/17	Monroe	Chestnuthill
02/9A/2/18	Monroe	Chestnuthill
15/6/1/25-7	Monroe	Chestnuthill
N/A	Monroe	Chestnuthill
Not being assessed	Monroe	Chestnuthill
20/3A/1/104	Monroe	Chestnuthill
15/6/1/10	Monroe	Ross
15/6/1/11	Monroe	Ross
15/6/1/17-1	Monroe	Ross
15/6/1/17-4	Monroe	Ross
15/6/1/24	Monroe	Ross
15/6/1/25-8	Monroe	Ross
15/6/1/26	Monroe	Ross
15/6/1/37	Monroe	Ross
15/6/1/6-1	Monroe	Ross
15/6/1/6-2	Monroe	Ross
15/6/1/9	Monroe	Ross
15/6B/1/27	Monroe	Ross
20/86525	Monroe	Chestnuthill and Tunkhannock
20/10/1/2	Monroe	Tunkhannock
20/11/1/53	Monroe	Tunkhannock
20/11/1/56	Monroe	Tunkhannock

20/111968	Monroe	Tunkhannock
20/111969	Monroe	Tunkhannock
20/113985	Monroe	Tunkhannock
20/3A/1/101	Monroe	Tunkhannock
20/3A/1/102	Monroe	Tunkhannock
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20/7/1/14-7	Monroe	Tunkhannock
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20/7A/1/6	Monroe	Tunkhannock
20/7A/1/7	Monroe	Tunkhannock
20/7A/1/8	Monroe	Tunkhannock
20/7A/1/9	Monroe	Tunkhannock
20/8/1/7	Monroe	Tunkhannock
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20/86206	Monroe	Tunkhannock
20/86207	Monroe	Tunkhannock
20/8A/2/10	Monroe	Tunkhannock
20/8A/2/14	Monroe	Tunkhannock
20/8A/2/29	Monroe	Tunkhannock
20/8A/2/30	Monroe	Tunkhannock
20/8A/2/32	Monroe	Tunkhannock
20/8A/2/33	Monroe	Tunkhannock

20/8A/2/34	Monroe	Tunkhannock
20/8A/2/42	Monroe	Tunkhannock
20/8A/2/43	Monroe	Tunkhannock
20/8A/2/44	Monroe	Tunkhannock
20/8A/2/45	Monroe	Tunkhannock
20/8A/2/7	Monroe	Tunkhannock
20/8J/1/17	Monroe	Tunkhannock
20/8J/1/18	Monroe	Tunkhannock
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20/8J/1/30	Monroe	Tunkhannock
20/8J/1/47	Monroe	Tunkhannock
20/8J/1/48	Monroe	Tunkhannock
20/8J/1/55	Monroe	Tunkhannock
20/8J/1/56	Monroe	Tunkhannock
20/92731	Monroe	Tunkhannock
20/94409	Monroe	Tunkhannock
N/A	Monroe	Tunkhannock

From: [UPS](#)
To: SFOX@WHMGROUP.COM
Subject: UPS Delivery Notification, Tracking Number 1Z8797VV0390819842
Date: Wednesday, July 7, 2021 9:45:40 AM



Hello, your package has been delivered.

Delivery Date: Wednesday, 07/07/2021

Delivery Time: 9:43 AM

Left At: INSIDE DELIV

Signed by: FRANKLIN

WHM CONSULTING, INC

Tracking Number:	1Z8797VV0390819842
Ship To:	MONROE COUNTY PLANNING COMMISSION ONE QUAKER PLAZA ROOM 106 STROUDSBURG, PA 18360 US
Number of Packages:	1
UPS Service:	UPS Ground
Package Weight:	1.0 LBS
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March 31, 2021

UPS TRACKING (1Z8797VV0390758971)

Monroe County Planning Commission
One Quaker Plaza, Room 106
Stroudsburg, PA 18360

Re: Regional Energy Access Expansion Project – Effort Loop
Pennsylvania Acts 14, 67, 68, and 127 Notification
Chestnuthill, Ross, and Tunkhannock Townships, Monroe County, Pennsylvania

Dear Monroe County Commissioners:

This municipal notice, under the requirements of Act 14, 97 P.S. § 510-5, is to inform you that Transcontinental Gas Pipe Line Company, LLC (Transco), a subsidiary of The Williams Companies, Inc. (Williams) is applying for coverage under the Erosion and Sediment Control General Permit (ESCGP-3) for Earth Disturbance Associated with Oil & Gas Exploration, Production, Processing or Treatment Operations or Transmission Facilities from the Pennsylvania Department of Environmental Protection (DEP).

1) Project Name: Regional Energy Access Expansion Project – Effort Loop

2) Project Description: Transco, indirectly owned by The Williams Companies, Inc. (Williams), is seeking authorization from the Federal Energy Regulatory Commission (FERC or Commission) under Section 7(c) of the Natural Gas Act and Part 157 of the Commission's regulations, to construct, own, operate, and maintain the proposed Project facilities. The Project is an expansion of Transco's existing natural gas transmission system that will enable Transco to provide an incremental 829,400 dekatherms per day (Dth/d) of year-round firm transportation capacity from the Marcellus Shale production area in northeastern Pennsylvania (PA) to multiple delivery points along Transco's Leidy Line in PA, Transco's mainline at the Station 210 Zone 6 Pooling Point in Mercer County, New Jersey (NJ) and multiple delivery points in Transco's Zone 6 in NJ, PA, and Maryland (MD).

The Effort Loop component of the Project will consist of approximately 13.8 miles of 42-inch pipeline co-located with existing Transco Leidy Lines between Mileposts 43.72 and 57.50 in Ross, Chestnuthill and Tunkhannock Townships, Monroe County. The new pipeline will tie-in to the existing 42-in Leidy Line "D" on both ends, completing the segment. With the segment completed, the existing pig traps (industry term for manifolds that launch or receive in-line inspection tools) at both tie-ins will no longer be needed and will therefore be removed, while the existing mainline valves will remain. Transco will be installing a new mainline valve and appurtenant equipment at Milepost 49.6 off of Sugar Hollow Road. The valve installation is a means to isolate gas flows. One Contractor Yard is proposed at the east end of the pipeline at MP 43.72. One remote anode groundbed is proposed at MP 43.72.

3) Applicant Name: Transcontinental Gas Pipe Line Company, LLC's (Transco), a subsidiary of Williams Partners L.P. (Williams)

4) Applicant Contact: Joseph Dean
Environmental Manager
2800 Post Oak Blvd, Level 11
Houston, TX 77056
(713) 215-3417

5) Site Location: The proposed Project is located on the Blakeslee, Pocono Pines, Brodheadsville and Saylorburg, Pennsylvania, 7.5 Minute USGS quadrangle. The Project is co-located with an existing pipeline right-of-way. The western terminus of the Effort Loop is located at: 41.053413, -75.526178, and the eastern terminus is location at: 40.896796, -75.370606.

6) Municipality / County: Chestnuthill, Ross, and Tunkhannock Townships, Monroe County

Act 14, which amended the Commonwealth's Administrative Code (71 P.S. § 510-5), requires every applicant for a new, amended, or revised permit to give written notice to each municipality (borough, township) and county government in which the facility is located. The municipality and county government must receive the written notice at least thirty (30) - days before DEP may issue or deny approval of coverage.

Enclosed is a complete copy of the Notice of Intent (NOI) completed for the project as well as copies of the erosion and sediment control plan and post construction stormwater management plans.

Sincerely,

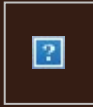
A handwritten signature in black ink, appearing to read 'Ryan J. Nelson', with a stylized flourish at the end.

Ryan J. Nelson, PWS
WHM Consulting, LLC

Enclosures:

NOI Form
Erosion and Sediment Control Plan Drawings
Post Construction Stormwater Management Plan Drawings

From: [UPS](#)
To: SFOX@WHMGROUP.COM
Subject: UPS Delivery Notification, Tracking Number 1Z8797VV0390758971
Date: Thursday, April 1, 2021 9:48:16 AM



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Delivery Time: 09:46 AM

Left At: INSIDE DELIV

Signed by: COCUZZO

WHM CONSULTING, INC

Tracking Number:

[1Z8797VV0390758971](#)

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MONROE COUNTY PLANNING COMMISSION
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US

Number of Packages:

1

UPS Service:

UPS Ground

Package Weight:

3.0 LBS

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WILLIAMS 20-245, TASK 2C



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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF WATER PROGRAMS
OFFICE OF OIL AND GAS MANAGEMENT

OFFICIAL USE ONLY

ID # T

Date Received _____

AUTH _____

SITE _____

CLNT _____

APS _____

Fee _____

Check No. _____

Check Date _____

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT
CONTROL GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH
OIL AND GAS EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT
OPERATIONS OR TRANSMISSION FACILITIES**

READ THE INSTRUCTIONS PROVIDED IN THIS PERMIT APPLICATION PACKAGE BEFORE COMPLETING THIS FORM. PLEASE PRINT OR TYPE INFORMATION IN BLACK OR BLUE INK.

SECTION A. APPLICATION TYPE

Check one:

NEW ☒ RENEWAL ☐ MAJOR MODIFICATIONS (Provide ESCGP number) ☐PHASED ☐ (check only if applicable; *note: Most projects are not submitted as phased projects*)Check one: EXPEDITED ☐ STANDARD ☒

If an Expedited Review Process being requested, be advised that the Expedited Review is not available for all projects. Refer to Section D - Expedited Review Process of the ESCGP-3 NOI Instructions to determine if the project is eligible.

SECTION B. CLIENT INFORMATION

Applicant's Last Name (If applicable)	First Name	MI	Telephone No.
Organization Name or Registered Fictitious Name Transcontinental Gas Pipe Line Company, LLC (Contact: Joseph Dean)			Telephone No. (713) 215-3427
DEP Client ID No.			
Headquarters Mailing Address 2800 Post Oak Blvd, Level 11	City Houston	State TX	ZIP Code 77056
Email Address Joseph.Dean@williams.com			
Co-Applicant's Last Name (If applicable)	First Name	MI	Telephone No.
Organization Name or Registered Fictitious Name 			Telephone No.

Address	City	State	ZIP Code
Email Address			

SECTION C. SITE INFORMATION					
Is there an existing ESCGP associated with this site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, Permit No. _____					
Has a well permit application been submitted for this site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, Permit No. _____					
Does this site have a 911 address? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, <u>provide site location address.</u>					
Site Name Regional Energy Access Expansion Project					
Site Location See Attachment 1-1.1- NOI Supporting Information			Site No. (if another permit has been issued for the site)		
Site Location – City See Attachment 1-1.1- NOI Supporting Information				State PA	ZIP Code
Detailed Written Directions to Site See Attachment 1-1.1- NOI Supporting Information for locations of all project sites					
Primary Location	County Luzerne, Northampton, Bucks, Chester, and Monroe	Municipality Buck, Bear Creek, Plains, Jenkins, Kingston, Lower Mt. Bethel, Ross, Chestnut Hill, Tunkhannock, Lower Makefield, East Whiteland and Dallas Townships Wyoming, West Wyoming, and Laflin Boroughs	City <input type="checkbox"/>	Boro <input checked="" type="checkbox"/>	Twp. <input checked="" type="checkbox"/>
SECTION D. EXPEDITED REVIEW					
I. Expedited Review Eligibility					
1. Is any part of the project in the watershed of a surface water with an existing or designated use of exceptional value or high quality pursuant to Chapter 93 (relating to water quality standards), in an exceptional value wetland in accordance with 25 Pa. Code § 105.17, or in the watershed of an impaired surface water where the cause of the impairment is identified as siltation?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
2. Will the project in which the well pad will be constructed be in or on a floodplain?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Is any earth disturbance located or proposed to be located on land known to be contaminated by the release of regulated substances as defined in Section 103 of Act 2, 35 P.S. § 6026.103?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4. Will naturally occurring geologic formations or soil conditions provide hazards to the project or surrounding environment or have the potential to cause or contribute to pollution when disturbed?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
5. Do any unresolved non-compliance issues exist with the applicant or the facility?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
6. Is the project a transmission project?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

<p>If yes to any of the above questions the project is not eligible for Expedited Review; If the project is eligible for Expedited Review, all the following items must be completed.</p>	
<p>II. Expedited Review Process</p>	
1. Is the technically and administratively complete and accurate NOI package prepared and certified by a licensed professional?	<input type="checkbox"/> Yes <input type="checkbox"/> No
2. Are E&S and PCSM/Site Restoration Plan drawings and narrative prepared and sealed by a licensed professional? <i>(Include interim restoration details when needed)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No
3. Include a Resource Delineation Report and answer the following questions: (If the answer to question a. is "Yes" then skip to #4. If the answer to a. is "No" the applicant must answer "Yes" to at least one of the questions, b. through d. to be eligible for expedited review.)	
a. Were all wetland resources delineated during the growing season?	<input type="checkbox"/> Yes <input type="checkbox"/> No
b. If not during the growing season, was a follow-up visit conducted during the growing season to verify/adjust boundaries and look for potentially missed resources?	<input type="checkbox"/> Yes <input type="checkbox"/> No
c. Was a quality assurance field review conducted at a later date by an independent qualified wetland professional to verify boundaries and look for potentially missed resources? (If yes, attach Quality Assurance Field Review Report)	<input type="checkbox"/> Yes <input type="checkbox"/> No
d. Was a Jurisdictional Determination (JD) or Preliminary JD conducted by the US Army Corps of Engineers on the whole project? (If yes, attach Preliminary or Jurisdictional Determination Report)	<input type="checkbox"/> Yes <input type="checkbox"/> No
4. If applicable, have you included PNDI clearance letters or other documentation from applicable resource agencies?	<input type="checkbox"/> Yes <input type="checkbox"/> No
5. If the project site contains, is along, or within 100 feet of a river, stream, creek, lake, pond or reservoir, will you establish new or preserve existing riparian forest buffer at least 100 feet in width between the top of streambank or normal pool elevation of a lake, pond or reservoir and areas of earth disturbances. If no, will a waiver be obtained? <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
6. Name of Licensed Professional	
Company	
Address	
Phone	

SECTION E. PROJECT INFORMATION																	
1. Total Project Area/Project Site (Ac):	1,346 (Also see Attachment 1-1.1)	Total Disturbed Area (Ac):	689.8 (Also see Attachment 1-1.1)														
Increased disturbed acreage <i>(for permit modification only)</i>																	
Fee: <i>(For additional information regarding fees, refer to NOI Instructions #3 Permit NOI Filing Fees.)</i>			\$ \$500 (Filing Fee), \$69,000 (Disturbed Acre Fee)														
2. Project Name: Regional Energy Access Expansion Project																	
3. Project Type (Check all that apply) <table border="0" style="width: 100%;"> <tr> <td><input type="checkbox"/> Oil/Gas Well ¹</td> <td><input checked="" type="checkbox"/> Transmission Facility</td> </tr> <tr> <td><input type="checkbox"/> Gathering Facility</td> <td><input type="checkbox"/> Processing Facility</td> </tr> <tr> <td><input type="checkbox"/> Treatment Facility</td> <td><input type="checkbox"/> Well Development Impoundment</td> </tr> <tr> <td><input checked="" type="checkbox"/> Compressor Station</td> <td><input type="checkbox"/> Non-FERC regulated Transmission Facility</td> </tr> <tr> <td><input checked="" type="checkbox"/> Pipeline</td> <td><input type="checkbox"/> Ground/Surface Water Withdrawal Site</td> </tr> <tr> <td><input type="checkbox"/> Storage Field Facility</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Other</td> <td></td> </tr> </table>				<input type="checkbox"/> Oil/Gas Well ¹	<input checked="" type="checkbox"/> Transmission Facility	<input type="checkbox"/> Gathering Facility	<input type="checkbox"/> Processing Facility	<input type="checkbox"/> Treatment Facility	<input type="checkbox"/> Well Development Impoundment	<input checked="" type="checkbox"/> Compressor Station	<input type="checkbox"/> Non-FERC regulated Transmission Facility	<input checked="" type="checkbox"/> Pipeline	<input type="checkbox"/> Ground/Surface Water Withdrawal Site	<input type="checkbox"/> Storage Field Facility		<input type="checkbox"/> Other	
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<input checked="" type="checkbox"/> Compressor Station	<input type="checkbox"/> Non-FERC regulated Transmission Facility																
<input checked="" type="checkbox"/> Pipeline	<input type="checkbox"/> Ground/Surface Water Withdrawal Site																
<input type="checkbox"/> Storage Field Facility																	
<input type="checkbox"/> Other																	
¹ If Oil/Gas Well; is the well conventional or unconventional? <input type="checkbox"/> Conventional <input type="checkbox"/> Unconventional																	

Project Description

Transco, indirectly owned by The Williams Companies, Inc. (Williams), is seeking authorization from the Federal Energy Regulatory Commission (FERC or Commission) under Section 7(c) of the Natural Gas Act and Part 157 of the Commission's regulations, to construct, own, operate, and maintain the proposed Project facilities

The Project is an expansion of Transco's existing natural gas transmission system that will enable Transco to provide an incremental 829,400 dekatherms per day (Dth/d) of year-round firm transportation capacity from the Marcellus Shale production area in northeastern Pennsylvania (PA) to multiple delivery points along Transco's Leidy Line in PA, Transco's mainline at the Station 210 Zone 6 Pooling Point in Mercer County, New Jersey (NJ) and multiple delivery points in Transco's Zone 6 in NJ, PA, and Maryland (MD). The Project will consist of the following components:

- Approximately 22.3 miles of 30-inch-diameter pipeline partially collocated with Transco's Leidy Line A from milepost (MP) 0.00 to MP 22.32 in Luzerne County, PA (Regional Energy Lateral);
 - Approximately 13.8 miles of 42-inch-diameter pipeline collocated with Transco's Leidy Line System from MP 43.72 to MP 57.50 in Monroe County, PA (Effort Loop);
 - New gas-fired turbine driven compressor station identified as Compressor Station 201 with 11,107 nominal horsepower (HP) at International Organization of Standardization (ISO) conditions in Gloucester County, NJ;
 - Addition of two gas-fired turbine driven compressor units with 31,800 nominal HP at ISO conditions at existing Compressor Station 505 in Somerset County, NJ, to accommodate the abandonment and replacement of approximately 16,000 HP from eight existing internal combustion engine-driven compressor units and increase the certificated station compression by 15,800 HP;
 - Addition of two gas-fired turbine driven compressor units with 63,742 nominal HP at ISO conditions and modification of three existing compressors at existing Compressor Station 515 in Luzerne County, PA to support the Project and to accommodate the abandonment and replacement of approximately 17,000 HP from five existing gas-fired reciprocating engine driven compressors and increase the certificated station compression by 46,742 HP;
 - Uprate and rewheel two existing electric motor-driven compressor units at existing Compressor Station 195 in York County, PA to increase the certificated station compression by 5,000 HP and accommodate the abandonment of two existing gas-fired reciprocating engine driven compressors which total approximately 8,000 HP of compression;
 - Modifications at existing Compressor Station 200 in Chester County, PA;
 - Uprate one existing electric motor-driven compressor unit at Compressor Station 207 in Middlesex County, NJ to increase the certificated station compression by 4,100 HP;
 - Modifications to three (3) existing pipeline tie-ins in PA (Hildebrandt Tie-in, Lower Demunds REL Tie-in, and Carverton Tie-in);
 - Addition of regulation controls at an existing valve setting on Transco's Mainline "A" in Bucks County, PA (Mainline A Regulator);
 - Modifications at the existing Delaware River Regulator in Northampton County, PA;
 - Modifications at the existing Centerville Regulator in Somerset County, NJ;
 - Modifications to the existing valves and piping at the Princeton Junction (Station 210 Pooling Point) in Mercer County, NJ;
 - Modifications to three (3) existing delivery meter stations in NJ (Camden M&R Station, Lawnside M&R Station, and Mt. Laurel M&R Station);
 - Modifications to one (1) existing delivery meter station in MD (Beaver Dam M&R Station);
 - Contractual changes (no modifications) at ten (10) existing delivery meter stations in PA and NJ (Algonquin-Centerville Meter Station, Post Road Meter Station, New Village Meter Station, Spruce Run Meter Station, Marcus Hook Meter Station, Ivyland Meter Station, Repaupo Meter Station, Morgan Meter Station, Lower Mud Run Meter Station, and Chesterfield Meter Station);
 - Additional ancillary facilities, such as mainline valves (MLVs), cathodic protection, communication facilities, and internal inspection device (e.g., pig) launchers and receivers in PA; and
 - Existing, improved, and new access roads and contractor yards/staging areas in PA, NJ, and MD.
- Provide the date of pre-application meeting (if conducted with the Department) 04/27/20, 07/09/20, 09/04/20, 09/30/20, 12/15/20, 12/16/20, 01/06/21, 02/05/21

4. Provide the latitude and longitude coordinates for the center of the project. The coordinates should be in Decimal degrees and North American Datum 1983. The coordinates must meet the current DEP policy regarding locational accuracy. For linear projects provide the project's termini. See Attachment 1-1.1

Latitude (DD) . Latitude (DD) . Horizontal Collection Method: <input type="checkbox"/> GPS <input checked="" type="checkbox"/> Interpolated from U.S.G.S. Topographic Map <input type="checkbox"/> DEP's eMAP	Longitude (DD) - . Longitude (DD) - .				
5. U.S.G.S. 7.5 min. topographic quadrangle Name (See Attachment 1-1.1) <i>(Include a copy of the project area on the 7.5 min quad map)</i>					
6. Will the project be conducted as a phased permit project? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Include Master Site Plan Estimated Timetable for Phased Projects. <input type="checkbox"/> Additional sheet(s) attached.					
Phase No. or Name	Description	Total Area	Disturbed Area	Start Date	End Date
7. List existing and previous land use for a minimum of the previous 5 years. (See Section 2 of this ESCGP-3 Application)					
8. Other Pollutants: Will the stormwater discharge contain pollutational substances other than sediment? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
9. Will fuels, chemicals, solvents, other hazardous waste or materials be used or stored on site during earth disturbance activities or will Horizontal Directional Drilling (HDD) activities be conducted? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If yes, Preparedness, Prevention and Contingency (PPC) Plan must be maintained on site during earth disturbance. See NOI Instructions, E.9 PPC Plan Guidance for further information.)</i>					
10. Is the project in the watershed of an impaired surface water where the cause of the impairment is identified as siltation? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (See Section 2-5 of this ESCGP-3 Application) <i>(If yes, show how the project will not result in a net change in volume, rate or water quality. See section I below, and E.10 of NOI instructions.)</i>					
11. Are there potentially hazardous naturally occurring geological or soil conditions in any portion of the project or surrounding area? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, do the potentially hazardous geologic or soil conditions have the potential to cause or contribute to pollution as a result of the proposed earth disturbance activities? If no, provide an explanation. If yes, Geologic Hazard Mitigation Plan must be attached and explain where in this application details are provided.					
12. Has the Act 14 Municipal Notification and proof of receipt of notification been attached to the NOI? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If not, the NOI is not complete, see E.12 and #4 Municipal Notification in the NOI Instructions for additional guidance.)</i>					
13. Has the PNDI receipt been attached to the NOI? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If not, the NOI is not complete, see E.13 and #5 PNHP in the NOI Instructions for additional guidance.)</i>					
14. Have the E&S Plan and PCSM/SR Plan been planned and designed to be consistent? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
15. Have existing and/or proposed Riparian Forest Buffers been identified? Yes <input checked="" type="checkbox"/> N/A <input type="checkbox"/> <i>(If yes, they must be shown on the E&S Plan as well as the PCSM/SR Plans.)</i>					
16. Have antidegradation implementation requirements for special protection waters been addressed? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> <i>(If yes, antidegradation requirements must be included in the plan.)</i>					

17. Has the seasonal high groundwater level been identified and 20-inch separation established at all excavation locations for pits for conventional operations and Well Development Impoundments for unconventional operations?

Yes ☐ No ☐ N/A ☒

18. Receiving Waters	Chapter 93, Designated Use Stream Classification	Chapter 93, Existing Use Stream Classification
Effort Loop-	<input checked="" type="checkbox"/> HQ <input checked="" type="checkbox"/> EV <input checked="" type="checkbox"/> Other CWF, MF, WWF	<input type="checkbox"/> HQ <input checked="" type="checkbox"/> EV <input checked="" type="checkbox"/> Other MF
Lake Creek (HQ-CWF,MF)	<input checked="" type="checkbox"/> Siltation-impaired	<input type="checkbox"/> Siltation-impaired
Princess Run (CWF,MF)		
Weir Creek (CWF,MF)		
McMichael Creek (EV, MF) and (HQ-CWF)		
Pohopoco Creek (CWF,MF)		
Sugar Hollow Creek (CWF,MF)		
Poplar Creek (EV,CWF,MF)		
Mud Run (HQ-CWF, MF)		
Mud Pond Run (HQ- CWF,EV,MF)		
Tunkhannock Creek (HQ- CWF,MF)		
Regional Energy Lateral-		
Stony Run (HQ-CWF,MF)		
Shades Creek (HQ-CWF,MF)		
Little Shades Creek (HQ- CWF,MF)		
Snider Run (HQ-CWF,MF)		
Meadow Run (HQ-CWF,MF)		
Bear Creek (HQ-CWF,MF)		
Little Bear Creek (HQ- CWF,MF)		
Mill Creek (CWF,MF)		
Gardner Creek (CWF,MF)		
Susquehanna River (WWF,MF)		
Abrahams Creek (CWF,MF)		
Toby Creek (CWF,MF)		
Trout Brook (CWF,MF)		
Compressor Station 515-		
Shades Creek (HQ-CWF,MF)		
Stony Run (HQ-CWF,MF)		
Compressor Station 200-		
Valley Creek (EV,MF)		
Delaware River Regulator-		
Mud Run (CWF, MF)		
Mainline "A" Regulator -		
Dyers Creek (WWF,MF)		
See Attachment 1-1.1 for detailed list.		
	<input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired	<input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired

	<input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired <input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired	<input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired <input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired
Secondary Receiving Water	Secondary Chapter 93, Designated Use	Secondary Existing Use
Name of Municipal or Private Separate Storm Sewer Operator, if applicable.		
Non-Surface Receiving Water: (include off-site discharges)		

SECTION F. EROSION AND SEDIMENT CONTROL (E&S) PLAN
See the attached Instructions for additional guidance with E&S Plans

Erosion and Sediment Control Plan BMPs should be designed to minimize accelerated erosion and sedimentation through limiting the extent and duration of earth disturbance, protection of existing drainage and vegetation, limiting soil compaction and controlling the generation of increased runoff. The Department recommends the use of the *Pennsylvania Erosion & Sedimentation Pollution Control Program Manual (E&S Manual)* (363-2134-008) to achieve this goal. The E&S Plan must meet the requirements of Pa. Code § 102.4(b) and submitted with the NOI. Also, see section 2. of the NOI instruction for detailed information on completing the E&S plan and additional requirements.

a. E&S Plan Summary

Provide a summary of proposed E&S BMPs and their performance to manage E&S for the project.

Typical BMPs provided along the pipeline Right-Of-Way includes waterbars, trench plugs, compost filter socks, compost sediment traps, rock filter outlets, erosion control blankets, rock construction entrances, temporary equipment bridges, timber mats, diversion channels, level spreaders, mulch and seed. An appropriate sediment removal device (filter bag, dewatering structure) and well-vegetated area will be utilized for trench dewatering. In HQ, EV watersheds, appropriate Antidegradation Best Available Combination of Technologies (ABACT) BMPs will be utilized. Additional information regarding all the proposed BMPs are provided in the Erosion and Sedimentation Control and Site Restoration Plans of respective project components (Section 2 of this ESCGP-3 Application).

b. E&S Plan BMP Design

Check those that apply:

- ☒ E&S Plan is designed using BMPs in the *E&S Manual*.
- ☐ E&S Plan is designed using an alternative BMP or design standard approved by DEP.

Note: NOI packages submitted with alternate BMPs not approved by the Department will be returned to the Applicant.

c. Do you have any information regarding riparian buffer which differs from Section G, Riparian Buffer?

Yes ☐ No ☒

Explain:

d. Thermal Impacts Analysis

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

Thermal impacts associated with Regional Energy Access Expansion Project will be avoided to the maximum extent possible. Minimum permanent changes in land cover are being proposed for constructing the pipeline facilities. Runoff from impervious areas added during the project will be suitably routed to Stormwater BMPs. Gravel will be used for access roads wherever practicable. To avoid thermal impacts arising from clearing and grading, removal of vegetation will be limited to only that necessary for construction and construction Right-Of-Way will be limited to 75 feet in wetlands and floodways where practical. Once construction activities are complete, disturbed areas will be restored to pre-construction contours and seeded as described in Erosion and Sediment Control and Site Restoration Plans. Temporary workspaces will be restored back with woody and herbaceous species. Thermal impacts assessments corresponding to each project component including pipelines and aboveground facilities are given in Section 2 and 3 of this ESCGP-3 Application.

e. Off-Site Discharge Analysis

Does the activity propose any off-site discharges to areas other than surface waters? ☒ Yes ☐ No

If yes, it is the applicant's responsibility to ensure that they have legal authority for any off-site discharge to neighboring properties.

The applicant must provide a demonstration in both E&S and PCSM/SR plans that the discharge will not cause erosion, damage, or a nuisance to off-site properties.

See Offsite Discharge Analysis Sections in E&S Narratives

SECTION G. RIPARIAN BUFFER

1. Will you be protecting, converting or establishing a voluntary riparian forest buffer as part of this project?
☐ Yes ☒ No
If yes, as part of the PCSM/SR Plan, provide a Buffer Management Plan.
2. Will proposed earth disturbance activities be conducted in an EV or HQ watershed AND within 150 feet of a perennial or intermittent river, stream, or creek, or lake, pond, or reservoir? ☒ Yes ☐ No
If no, proceed to the next section/module.
3. Does this project qualify for an exception (see § 102.14(d)(1))? ☒ Yes ☐ No
If yes, indicate below the type of project for which the exception applies by marking the appropriate box.
☐ Oil and gas activities for which site reclamation or restoration is part of the permit authorization in Chapter 78 and 78a.
☒ Road maintenance activities.
☐ The repair or maintenance of existing pipelines and utilities.
☐ Other (see §102.14(d)(1))
If exceptions are checked, explain how existing riparian buffer will be undisturbed to the extent practicable. Provide a demonstration that the requirements of §102.14(b) are met, or provide the necessary information to request a riparian buffer waiver.
4. Are you requesting a riparian buffer waiver for this project (see § 102.14(d)(2))? ☒ Yes ☐ No
If yes, indicate below the type of project for which you are requesting a waiver by marking the appropriate box.
☒ Linear project that may include pipelines, public roadways, rail lines, or utility lines.
☒ Project is of a temporary nature where the site will be fully restored to its preexisting conditions during the ESCGP permit term.
☒ Project where compliance with mandatory riparian buffers is not appropriate or feasible due to site characteristics or existing structures at the project site.
☐ Other (see §102.14(d)(2)):
If waivers are checked, explain how existing riparian buffers will be undisturbed to the extent practicable.
Note: If "Yes" to #2 **AND** "No" to #3 and #4, provide an attachment to demonstrate how the requirements of §102.14 are met.

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PCSM) AND/OR SITE RESTORATION(SR) PLAN

See NOI Instructions for additional guidance with PCSM Plans

PCSM/SR BMPs should be designed to use natural measures to eliminate pollution, infiltrate runoff, not require extensive construction/maintenance, promote pollutant reduction, and preserve the integrity of stream channels. All PCSM/SR BMPs proposed in the PCSM/SR Plan must be designed in accordance with Ch. 102, Ch. 78a for unconventional operations, Ch. 78 for conventional operations and the *Pennsylvania Stormwater Best Management Practices Manual (Stormwater BMP Manual)* (363-0300-002). If alternate design criteria are utilized for the proposed project, they must have prior approval by the Department, or the NOI Application will be returned to the Applicant.

After construction is completed, how much of the entire disturbed area will be restored to meadow in good condition or better, or existing conditions? ☐ All ☒ Partial ☐ None

Include PCSM narrative and drawings for remaining impervious area. Also include a map showing the proposed contours of the site restoration plan.

If there are additional stages of the project prior to permit termination or expiration, list the stages and provide the documents required by subsection 'a' to section 'g' for each stage (e.g. partial restoration or changes to the amount of compacted areas, gravel, and/or impervious areas). Upload a narrative for each additional stage in addition to the drawings.

EXAMPLE

Stage No	Stage Name	PCSM Plan	SR Plan
Stage 1		<input type="checkbox"/>	<input type="checkbox"/>
Stage 2		<input type="checkbox"/>	<input type="checkbox"/>
Stage 3		<input type="checkbox"/>	<input type="checkbox"/>
Stage 4		<input type="checkbox"/>	<input type="checkbox"/>

Act 167 Consistency. Check those that apply.

Is there an Act 167 Plan? ☒ Yes ☐ No

☒ The attached PCSM/SR Plan is consistent with an applicable approved Act 167 Plan.

Complete the following for all approved Act 167 Stormwater Management Plans. (Use additional sheets if necessary)

Act 167 Plan Name _____ Date Adopted _____ Consistency Letter Included ☐

Luzerne County Stormwater August 18, 2010 Verification Report Included ☒

Management Ordinance

Valley Creek Watershed Stormwater February 04, 2011

Management Plan

Note: A consistency letter is not required if a verification report is provided. See NOI Instructions. The PCSM/SR Plan must satisfy either sub paragraph 1, 2, or 3 below. Check those that apply.

1. ☒ Act 167 Plan approvals on or after January 2005 – The attached PCSM/SR Plan, in its entirety, is consistent with all requirements pertaining to rate, volume, and water quality from an Act 167 Stormwater Management Plan approved by DEP on or after January 2005. Box 1 must be checked if a current, DEP approved Act 167 plan exists.
2. ☒ The PCSM/SR Plan meets the standard design criteria from sections 102.8(g)(2) and (3) and the *Stormwater BMP Manual*. For projects involving oil and gas activities authorized by a permit issued under Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure, post construction stormwater management requirements are met for all areas that are restored to preconstruction conditions or to a condition of meadow in good condition or better. *[Note: PCSM plans must meet both the volume and rate requirements in the regulations, which are provided in the 2 sections mentioned in this paragraph].*
3. ☐ Alternative Design Standard – The attached PCSM/SR Plan was developed using approaches as provided in 102.8(g)(2)(iv) and 102.8(g)(3)(iii). Demonstrate/explain in the space provided below how this standard will be either more protective than what is required in 102.8(g)(2) and 102.8(g)(3) or will maintain and protect existing water quality and existing and designated uses.

PCSM/SR BMP Alternative Standards:

Has the alternative BMP or design standard been approved by the Department?

☐ Yes

☐ No – Do not submit the ESCGP-3 application and see Section (H) of the NOI Instructions concerning the alternative BMP approval process.

Water Quality Compliance:

Does the PCSM/SR plan comply with requirements for volume control? ☒ Yes ☐ No

If yes, is at least 90% of the disturbed area controlled by a PCSM BMP? ☒ Yes ☐ No

If yes, do you have the Standard PCSM Worksheet # 10 attached to show water quality compliance has achieved?

☒ Yes ☐ No

If no, attach Standard PCSM Worksheets # 12 and #13 to show water quality compliance has achieved.

If PCSM/SR plan is not complying with the requirements for volume control, attach Standard PCSM Worksheets # 11, # 12 and #13 to show water quality compliance has achieved.

a. PCSM/SR Plan Summary

Provide a summary of proposed BMPs and their performance to manage PCSM/SR for the project.

Along the pipeline Right-Of-Way, typical E&S BMPs such as waterbars and erosion control blanket will be left in place as part of site restoration. After construction activities are completed, temporary workspaces will be restored to meadow in good condition or better than existing conditions. For the aboveground facilities, PCSM BMPs such as infiltration basins, diversion channels and vegetated swales will be used and left in place as part of site restoration. Additional information regarding all the proposed BMPs are provided in the Post-Construction Stormwater Management Plans of respective project components (Section 3 of this ESCGP-3 Application).

Check all that apply ☒ PCSM BMPs ☒ SR BMPs

b. Do you have any information regarding riparian buffer which differs from what was submitted in the Section G, Riparian Buffer?

☐ Yes ☒ No

Explain:

c. Thermal Impacts Analysis

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

Runoff collected in PCSM BMPs such as infiltration basins will mitigate thermal impacts from post construction stormwater. Runoff collected in infiltration basins are discharged to receiving waters are not expected to be retained for more than 24 hours. Minimum permanent changes in land cover are being proposed for constructing the pipeline facilities. Gravel will be used for access roads wherever practicable. Removal of trees and riparian vegetation and addition of impervious surfaces will be limited to only that necessary for construction. Once construction activities are complete, disturbed areas will be restored to pre-construction contours and seeded as described in Erosion and Sedimental Control and Site Restoration Plans. Temporary workspaces will be restored back with woody and herbaceous species. Thermal impacts assessments corresponding to each project component including pipelines and aboveground facilities are given in Section 2 and 3 of this ESCGP-3 Application.

d. Off-Site Discharge Analysis.

Does the activity propose any off-site discharges to areas other than surface waters? ☒ Yes ☐ No

If yes, it is the applicant's responsibility to ensure that they have legal authority for any off-site discharge to neighboring properties.

The Applicant must provide a demonstration in both the E&S and PCSM/SR Plans that the discharge will not cause erosion, damage, or a nuisance to off-site properties.

See Offsite Discharge Analysis Sections in PCSM Narratives

NOI Section H. POST CONSTRUCTION STORMWATER MANAGEMENT (PCSM) PLANS

Summary Calculations of Post Construction Stormwater BMPs

1. Regional Energy Lateral Pipeline - MLV-515RA20
2. Regional Energy Lateral Pipeline - MLV-515RA30
3. Regional Energy Lateral Pipeline - Carverton Tie-in
4. Regional Energy Lateral Pipeline - Lower Demunds REL Tie-in
5. Regional Energy Lateral Pipeline – Hildebrandt Tie-in/MLV-515RA40
6. Effort Loop Pipeline - MLV-505LD86
7. Compressor Station 200
8. Compressor Station 515

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - MLV-515RA20 - Zenker Valve Yard

e. Summary Table for Supporting Calculation and Measurement Data
(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Mill Creek			
Volume Control design storm frequency 2-year Rainfall amount 2.95 inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.19	+0.19
Volume of stormwater runoff (acre- feet) without planned stormwater BMPs	0.04	0.06	+0.02
Volume of stormwater runoff (acre- feet) with planned stormwater BMPs		0.03	-0.01
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	3.51	3.22	-0.29
2) 10-Year/24-Hour	6.82	6.17	-0.65
3) 50-year/24-Hour	11.88	11.12	-0.76
4) 100-year/24-Hour	14.91	14.91	-0.00

f. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Vegetated Swale	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input checked="" type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ <u>1,396cf(2-yr);</u> <u>6,186cf(100-yr)</u>	_____ _____ <u>0.28</u>
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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g. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Dry Extended Detention Basin area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Channels to ensure they have been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Dry Extended Detention Basin to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Dry Extended Detention Basin the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. At completion of Collection Channel C1 to ensure it has been constructed to the proposed line and grade, the specified lining material has been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
6. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to Collection Channel C1.
7. For final inspection of constructed BMPs.
8. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL GENERAL PERMIT (ESGCP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR TRANSMISSION FACILITIES

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - MLV-515RA30 - Wyoming Valve Yard

b. Summary Table for Supporting Calculation and Measurement Data (See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Susquehanna-Solomon Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>2.57</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.24	+0.24
Volume of stormwater runoff (acre- feet) without planned stormwater BMPs	0.03	0.06	+0.03
Volume of stormwater runoff (acre- feet) with planned stormwater BMPs		0.03	-0.00
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.22	0.02	-0.20
2) 10-Year/24-Hour	0.68	0.03	-0.65
3) 50-year/24-Hour	1.52	0.06	-1.46
4) 100-year/24-Hour	2.06	0.07	-1.99

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Soil Amendment	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>451cf(2-yr);</u> <u>2,511cf(100-yr)</u> _____ _____ _____ _____	_____ <u>0.21</u> _____ _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input checked="" type="checkbox"/> Other <u>Vegetated Swale</u>	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	 <u>1,009cf(2-yr):</u> <u>4,264cf(100-yr)</u>	 <u>0.49</u>
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Vegetated Swale area has been flagged and fence erected to prevent access to the area.
2. At the beginning of construction of the Vegetated Swale to ensure the infiltration area has not been compacted by construction activities.
3. During construction of the Vegetated Swale the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
4. At completion of Collection Channel C1 to ensure it has been constructed to the proposed line and grade, the specified lining material has been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the infiltration berm.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - Carverton Tie-In

<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i> The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Abrahams Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>2.61</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.03	0.11	+0.08
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.02	0.03	+0.01
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.00	-0.02
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.46	0.00	-0.46
2) 10-Year/24-Hour	0.91	0.00	-0.91
3) 50-year/24-Hour	1.61	0.00	-1.61
4) 100-year/24-Hour	2.01	0.00	-2.01

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>1,280cf (2-yr);</u> <u>4,445cf(100-yr)</u>	_____ _____ _____ _____ <u>0.26</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. At the beginning of construction to ascertain the Infiltration Berm area has been flagged and fence erected to prevent access to the area.
2. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the infiltration berm.
3. At the beginning of construction of the Infiltration Berm to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the infiltration berm the licensed professional will observe that the berm is constructed in accordance with the plans and specifications.
5. For final inspection of constructed BMPs.
6. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - Lower Demunds REL Tie-In

<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i></p> <p>The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Toby Creek			
Volume Control design storm frequency 2-year Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.12	+0.12
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.02	0.04	+0.02
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.01	-0.01
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.20	0.00	-0.20
2) 10-Year/24-Hour	0.40	0.00	-0.40
3) 50-year/24-Hour	0.71	0.20	-0.51
4) 100-year/24-Hour	0.89	0.51	-0.38

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>1,481cf(2-yr);</u> <u>4,356cf(100-yr)</u> _____ _____ _____	_____ <u>0.17</u> _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Valve Yard Pad area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Berm/Channel to ensure it has been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Valve Yard Pad to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Valve Yard Pad the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the outlet structure.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline – MLV-515RA40-Hildebrandt Tie-In

b. Summary Table for Supporting Calculation and Measurement Data

(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Toby Creek

Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.0	0.22	+0.22
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.03	0.07	+0.04
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.01	-0.02
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.34	0.20	-0.14
2) 10-Year/24-Hour	0.67	0.38	-0.29
3) 50-year/24-Hour	1.20	0.65	-0.55
4) 100-year/24-Hour	1.52	0.80	-0.72

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Vegetated Swale	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>2,265cf(2-yr);</u> <u>5,881cf(100-yr)</u>	_____ <u>0.21</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____

<input type="checkbox"/> Roadside Vegetated Filter Strips		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Stormwater Energy Dissipaters	Infiltration/Recharge			
<input type="checkbox"/> Level Spreaders		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Riprap Aprons		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Upslope Diversions		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Other_____		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____

d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Valve Yard Pad area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Channel to ensure it has been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Valve Yard Pad to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Valve Yard Pad the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the outlet structure.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Effort Loop Pipeline-MLV-505LD86 Sugar Hollow Valve Yard

<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i> The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Pohopoco Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.26</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.09	0.62	+0.53
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.35	0.44	+0.09
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.28	-0.07
Stormwater discharge rate for the design frequency storm DA-1	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.01	0.01	-0.00
2) 10-Year/24-Hour	0.37	0.31	-0.06
3) 50-year/24-Hour	5.89	4.21	-1.68
4) 100-year/24-Hour	11.47	8.28	-3.19
Stormwater discharge rate for the design frequency storm DA-2	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	4.51	3.97	-0.54
2) 10-Year/24-Hour	12.49	12.28	-0.21
3) 50-year/24-Hour	26.58	24.35	-2.23
4) 100-year/24-Hour	35.41	31.74	-3.67

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input checked="" type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ <u>1,123cf(2-yr);</u> <u>21,318cf(100-yr)</u> _____ <u>5,915cf(2-yr);</u> <u>26,924cf(100-yr)</u>	_____ _____ <u>2.85</u> _____ <u>1.54</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. For the final grading of the access road, ensuring it is constructed according to the plan details for proper conveyance of runoff.
2. Following final grading and seeding of the diversion channels and basin, in order to confirm they have been constructed according to the plan details for proper collection and conveyance of runoff. Periodic assessments will need to be made to ensure accumulated sediment have been cleaned out so the channels and basin maintain the necessary design volumes.
3. During the layout and excavation of the outlet control structure, the professional or delegate will ensure sizing, materials specifications, and construction procedures are followed to enable proper storage in the basin.
4. Following final grading and seeding of the infiltration berm in order to confirm they have been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessment will need to be made to ensure that accumulated sediment have been cleaned out so the area behind the berm maintains the necessary design volume.
5. For final inspection of constructed channels, basin and berms.
6. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Compressor Station 200

b. Summary Table for Supporting Calculation and Measurement Data

(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Valley Creek

Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.30</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.25	0.40	+0.15
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.07	0.11	+0.04
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.07	-0.00
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	1.03	0.15	-0.88
2) 10-Year/24-Hour	2.06	1.39	-0.67
3) 50-year/24-Hour	3.19	2.79	-0.40
4) 100-year/24-Hour	3.97	3.50	-0.47

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>3,790cf(2-yr);</u> <u>11,631cf(100-yr)</u>	_____ _____ _____ _____ <u>0.56</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Following final grading and seeding of the infiltration berm in order to confirm it has been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessments will need to be made to ensure that accumulated sediment should be cleaned out so the channels and berm maintain necessary design volume.
2. For final inspection of constructed BMPs.
3. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E & S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESGCP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Compressor Station 515

<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i> The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Bear Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.34	2.44	+2.10
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.50	0.81	+0.31
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.18	-0.32
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	5.46	1.76	-3.70
2) 10-Year/24-Hour	10.19	8.30	-1.89
3) 50-year/24-Hour	16.85	9.55	-7.30
4) 100-year/24-Hour	20.81	9.58	-11.23

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>31,799cf(2-yr):</u> <u>96,268cf(100-yr)</u>	_____ _____ _____ _____ <u>3.83</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

- Following final grading and seeding of the collection channels and infiltration berm in order to confirm they have been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessments will need to be made to ensure that accumulated sediment should be cleaned out so the channels and berm maintain necessary design volume.
- For final inspection of constructed BMPs.
- At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E & S controls.

SECTION I. ANTIDEGRADATION ANALYSIS

This section must be completed where earth disturbance activities will be conducted in the watershed of a surface water with an existing or designated use of exceptional value or high quality pursuant to Chapter 93 (relating to water quality standards), projects where any part is located in an exceptional value wetland in accordance with 25 Pa. Code § 105.17, and projects where any part is located in the watershed of an impaired surface water where the cause of impairment is identified as siltation.

Part 1 - NONDISCHARGE ALTERNATIVES EVALUATION

The applicant must consider and describe any and all non-discharge alternatives for the entire project area which are environmentally sound and will:

- Minimize accelerated erosion and sedimentation during the earth disturbance activity
- Achieve no net change from pre-development to post-development volume, rate and concentration of pollutants in water quality

E & S Plan	PCSM/SR Plan
<p>Check off the environmentally sound nondischarge Best Management Practices (BMPs) listed below to be used prior to, during, and after earth disturbance activities that have been incorporated into your E & S Plan based on the site analysis. For non-discharge BMPs not checked, provide an explanation of why they were not utilized. Also for BMPs checked, provide an explanation of why they were utilized. (Provide the analysis and attach additional sheets if necessary)</p> <p>See Section 2 of this ESCGP-3 Application</p>	<p>Check off the environmentally sound nondischarge Best Management Practices (BMPs) listed below to be used after construction that have been incorporated into the PCSM/SR Plan based on your site analysis. For non-discharge BMPs not checked, provide an explanation of why they were not utilized. Also for BMPs checked, provide an explanation of why they were utilized. (Provide the analysis and attach additional sheets if necessary)</p> <p>See Section 3 of this ESCGP-3 Application</p>
<p>Nondischarge BMPs</p> <div style="margin-left: 20px;"> <input type="checkbox"/> Alternative Siting <div style="margin-left: 20px;"> <input type="checkbox"/> Alternative location <input type="checkbox"/> Alternative configuration <input type="checkbox"/> Alternative location of discharge </div> <input checked="" type="checkbox"/> Limited Disturbed Area <input type="checkbox"/> Limiting Extent & Duration of Disturbance (Phasing, Sequencing) <input type="checkbox"/> Riparian Buffers (150 ft. min.) <input type="checkbox"/> Riparian Forest Buffer (150 ft. min.) <input type="checkbox"/> Other _____ </div>	<p>Nondischarge BMPs</p> <div style="margin-left: 20px;"> <input type="checkbox"/> Alternative Siting <div style="margin-left: 20px;"> <input type="checkbox"/> Alternative location <input type="checkbox"/> Alternative configuration <input type="checkbox"/> Alternative location of discharge </div> <input type="checkbox"/> Low Impact Development (LID / BSD) <input type="checkbox"/> Riparian Buffers (150 ft. min.) <input type="checkbox"/> Riparian Forest Buffer (150 ft. min.) <input checked="" type="checkbox"/> Infiltration <input type="checkbox"/> Water Reuse <input type="checkbox"/> Other _____ </div>
<p>Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality during construction?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, antidegradation analysis is complete. If no, proceed to Part 2.</p>	<p>Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality after construction?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, antidegradation analysis is complete. If no, proceed to Part 2.</p>

PART 2 - ANTIDEGRADATION BEST AVAILABLE COMBINATION OF TECHNOLOGIES (ABACT)

If the net change in stormwater discharge from or after construction is not fully managed by nondischarge BMPs, the applicant must utilize ABACT BMPs to manage the difference. The Applicant must specify whether the discharge will occur during construction, post-construction or both, and identify the technologies that will be used to ensure that the discharge will be a non-degrading discharge. ABACT BMPs include but are not limited to:

E & S Plan	PCSM/SR Plan
<p><input checked="" type="checkbox"/> Treatment BMPs:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Sediment basin with skimmer <input type="checkbox"/> Sediment basin ratio of 4:1 or greater (flow length to basin width) <input type="checkbox"/> Sediment basin with 4-7 day detention <input type="checkbox"/> Flocculants <input checked="" type="checkbox"/> Compost Filter Socks <input checked="" type="checkbox"/> Compost Filter Sock Sediment Basin <input checked="" type="checkbox"/> RCE w/ Wash Rack <p><input checked="" type="checkbox"/> Land disposal:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Vegetated filters <input type="checkbox"/> Riparian buffers <150ft. <input type="checkbox"/> Riparian Forest Buffer <150ft. <input checked="" type="checkbox"/> Immediate stabilization <p><input checked="" type="checkbox"/> Pollution prevention:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> PPC Plans <input checked="" type="checkbox"/> Street sweeping <input checked="" type="checkbox"/> Channels, collectors and diversions lined with permanent vegetation, rock, geotextile or other non-erosive materials <p><input type="checkbox"/> Stormwater reuse technologies:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Sediment basin water for dust control <input type="checkbox"/> Sediment basin water for irrigation <p><input type="checkbox"/> Other _____</p>	<p><input checked="" type="checkbox"/> Treatment BMPs:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Infiltration Practices <input type="checkbox"/> Wet ponds <input type="checkbox"/> Created wetland treatment systems <input checked="" type="checkbox"/> Vegetated swales <input type="checkbox"/> Manufactured devices <input checked="" type="checkbox"/> Bio-retention/infiltration <input type="checkbox"/> Green Roofs <p><input type="checkbox"/> Land disposal:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Vegetated filters <input type="checkbox"/> Riparian Buffers <150ft. <input type="checkbox"/> Riparian Forest Buffer <150ft. <input type="checkbox"/> Disconnection of roof drainage <input type="checkbox"/> Bio-retention/bio-infiltration <p><input checked="" type="checkbox"/> Pollution prevention:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Street sweeping <input type="checkbox"/> Nutrient, pesticide, herbicide or other chemical application plan alternatives <input checked="" type="checkbox"/> PPC Plans <input checked="" type="checkbox"/> Non-structural Practices <input checked="" type="checkbox"/> Restoration BMPs <p><input type="checkbox"/> Stormwater reuse technologies:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Divert rainwater into impoundment <input type="checkbox"/> Underground storage <p><input type="checkbox"/> Spray/Drip Irrigation</p> <p><input type="checkbox"/> Other _____</p>
<p>Are the ABACT BMPs selected sufficient to minimize E&S discharges to the extent that existing or designated surface water uses are protected?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.</p>	<p>Are the ABACT BMPs selected sufficient to achieve no net change and assure that existing or designated surface water uses are protected?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.</p>

SECTION J. COMPLIANCE HISTORY REVIEW

Is/was the applicant(s) in violation of any Department regulation, order, schedule of compliance or permit or in violation of any department regulated activities within the past five years?

☒ Yes ☐ No

If yes, provide the permit number or facility name, a brief description of the violation, the compliance schedule (including dates and steps to achieve compliance) and the current compliance status. (Attach additional information on a separate sheet, when necessary)

Permit Program or Activity: Chapter 102, Chapter 105, PAG-10

Permit Number (if applicable):

1. ESG03000150001, ESG00350150001, ESG00081150001
2. E41-649
3. E-19-311, E36-947, E-38-195, E40-769, E49-336, E54-360, E58-315, E66-160, E41-667, E18-495,
4. PAG109632

Brief Description of non-compliance:

Consent Assessment of Civil Penalty, Reports past due.

Steps taken to achieve compliance

1. Consent Assessment of Civil Penalty
2. Consent Assessment of Civil Penalty. Permits being obtained to complete channel restoration
3. Consent Assessment of Civil Penalty
4. All past due reports were provided to PADEP

Date(s) compliance achieved

1. 9/20/2020
2. 8/9/2020
3. 9/20/2020
4. 12/14/2017



Current Compliance Status: ☒ In-Compliance

☐ In Non-Compliance

If in non-compliance, attach schedule for achieving compliance.

SECTION K. CERTIFICATION BY PERSON PREPARING E&S AND PCSM/SR PLANS

I do hereby certify to the best of my knowledge, information, and belief, that the Erosion and Sediment Control and PCSM/Site Restoration Plans are true and correct, represent actual field conditions, and are in accordance with the 25 Pa. Code Chapters 78/78a and 102 of the Department's rules and regulations. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Print Name Kevin C. Clark	Signature 	Professional Seal 	
Company BAI Group, LLC			
Address 2525 Green Tech Drive, Suite D, State College, PA-16803			
Phone (814) 238-2060			
Most Recent DEP Training Attended	Location		Date
e-Mail Address kclark@baigroupllc.com			

EXPEDITED REVIEW PROCESS

In addition to the certification required above, applicants using the expedited permit review process must attach an E&S and PCSM/Site Restoration Plans developed and sealed by a licensed professional engineer, surveyor or professional geologist. The plans shall contain the following certification:

I do hereby certify to the best of my knowledge, information, and belief, that the E & S Control and PCSM/SR BMPs are true and correct, represent actual field conditions and are in accordance with the 25 Pa. Code Chapters 78 / 78a and 102 of the Department's rules and regulations. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SECTION L. APPLICANT CERTIFICATION

Applicant Certification

I certify under penalty of law, as provided by 18 Pa. C.S.A. § 4904, that this application and all related attachments were prepared by me or under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my own knowledge and on inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. The responsible official's signature also verifies that the activity is eligible to participate in the ESCGP, and that the applicant agrees to abide by the terms and conditions of the permit. BMP's, E&S Plan, PPC Plan, PCSM Plan, and other controls are being or will be, implemented to ensure that water quality standards and effluent limits are attained.

I grant permission to the agencies responsible for the permitting of this work, or their duly authorized representative to enter the project site for inspection purposes. I will abide by the conditions of the permit if issued and will not begin work prior to permit issuance.

(For individuals no indication of title is necessary, choose the box below. All others proceed to the next paragraph)

☐ **Individual; proceed to signature portion.**

I hereby certify under penalty of law, as provided by 18 Pa. C.S.A. § 4904, that I am the person who is responsible for decision-making regarding environmental compliance functions for Transcontinental Gas Pipeline Company, LLC, the manager of one or more manufacturing, production, or operating facilities of the applicant and am authorized to make management decisions which govern the operation of regulated facility including having explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure the applicant's long term environmental compliance with environmental laws and regulations; and I am responsible for ensuring that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements.

(choose one of the following; not applicable for individuals):

☐ The responsible corporate officer ☐ president ☐ vice president ☐ secretary
☐ treasure of _____ Corporation/Company
Entity name

☒ The ☐ member or ☒ manager of Transcontinental Gas Pipe Line Company, LLC
Entity name

☐ The general partner of _____ partnership/LP/LLP
Entity name

☐ The principal executive officer or ranking elected official of _____ Municipality/State/Federal/other public
agency
Entity name

☐ Power of Attorney/delegation of contractual authority (documentation supporting delegation of contracting
authority must be provided) for _____
Entity name

Print Name and Title of Applicant

Print Name and Title of Co-Applicant (if applicable)

Signature of Applicant

Signature of Co-Applicant

Date Application Signed

Date Application Signed

Notarization

Sworn to and subscribed to before me this

Commonwealth of Pennsylvania

_____ day of _____, 20_____

County of _____

Notary Public

My Commission expires _____

AFFIX SEAL

SECTION M. ADDITIONAL CONTACT INFORMATION			
Contact's Last Name	First Name	MI	Phone (814) 689-1650
Nelson	Ryan	J	FAX
Mailing Address	City	State	ZIP + 4
2525 Green Tech Drive, Suite B	State College	PA	16803
e-Mail Address ryann@whmgroup.com			

Section 1-1.1 NOI Supporting Information

Project Component	Site	Site Location City	ZIP Code	County	Municipality	Total Project Area/Project Site (Acre)	Total Disturbed Area (Acre)	Latitude / Longitude	U.S.G.S. 7.5 min. Topographic Quadrangle	Receiving Waters	Chapter 93, Designated Use Stream Classification	Chapter 93, Existing Use Stream Classification	Siltation Impaired
Regional Energy Lateral	Pipeline			Luzerne	Buck, Bear Creek, Plains, Jenkins, Kingston, Dallas, Wyoming, West Wyoming, Laflin	952.63	420.67 (includes CS 515 and sites below)	41.173337, -75.671706 (eastern terminus) 41.346917, -75.946263 (western terminus)	Kingston, Pittston, Avoca, Wilkes-Barre East, Pleasant View Summit	Stony Run, Shades Creek, Little Shades Creek, Snider Run, Meadow Run, Bear Creek, Little Bear Creek, Mill Creek, Gardner Creek, Susquehanna River, Abrahams Creek, Toby Creek, Trout Brook	MF, HQ-CWF, WWF, CWF	-	No
	CY-LU-001	Wyoming	18644	Luzerne	Wyoming		16.3 (Included within above total)	41.31016, -75.84636		Abrahams Creek	CWF, MF	-	No
	CY-LU-002	Wilkes-Barre	18702	Luzerne	Laflin		11.4 (Included within above total)	41.28491, -75.79026		Gardner Creek	CWF, MF	-	No
	MLV-515RA20	Wilkes-Barre	18702	Luzerne	Bear Creek Township		0.46 (Included within above total)	41.25279, -75.75856		Mill Creek	CWF, MF	-	No
	MLV-515RA30	Wyoming	18644	Luzerne	Wyoming Borough		0.44 (Included within above total)	41.30411, -75.84662		Susquehanna River	WWF		No
	Carverton Tie-in	Wyoming	18644	Luzerne	West Wyoming Borough		3.9 (Included within above total)	41.32053, -75.87270		Abrahams Creek	CWF, MF		No
	Lower Demunds REL Tie-in	Dallas	18612	Luzerne	Dallas Township		1.7 (Included within above total)	41.34652, -75.94551		Trout Brook	CWF, MF		No
	Hildebrandt Tie-in/MLV-515RA40	Dallas	18612	Luzerne	Dallas Township		3.1 (Included within above total)	41.34692, -75.94629		Toby Creek, Trout Brook	CWF, MF		No
	Laflin Borough Stream Stabilization	Wilkes-Barre	18702	Luzerne	Laflin Borough		0.94 (Included within above total)	41.28925, -75.80209		Gardner Creek	CWF, MF	-	No
Effort Loop	Pipeline			Monroe	Ross, Chestnuthill, Tunkhannock	360.63	262.18	40.896796, -75.370606 (Southeast Terminus) 41.053413, -75.526178 (Northwest Terminus)	Blakeslee, Pocono Pines, Brodheads ville, Saylorsburg	Lake Creek, Princess Run, Weir Creek, McMichael Creek, Pohopoco Creek, Sugar Hollow Creek, Poplar Creek, Mud Run, Mud Pond Run, Tunkhannock Creek	EV, MF, HQ-CWF, CWF	EV, MF	No

Regional Energy Access Expansion Project
ESCGP-3 Permit Application
Transcontinental Gas Pipe Line Company, LLC
Section 1-1.1 NOI Supporting Information

Project Component	Site	Site Location City	ZIP Code	County	Municipality	Total Project Area/Project Site (Acre)	Total Disturbed Area (Acre)	Latitude / Longitude	U.S.G.S. 7.5 min. Topographic Quadrangle	Receiving Waters	Chapter 93, Designated Use Stream Classification	Chapter 93, Existing Use Stream Classification	Siltation Impaired
	MLV-505LD86 Sugar Hollow Valve Yard	Effort	18330	Monroe	Chestnut Hill Township		8.8 (Included within above total)	40.96775, -75.42980		Sugar Hollow Creek	CWF, MF	-	No
	CY-MO-001	Saylorsburg	18353	Monroe	Ross Township		50.1 (Included within above total)	40.89803, -75.36784		Lake Creek, Princess Run	HQ-CWF, MF, CWF	-	No
Delaware River Regulator		Easton	18040	Northampton	Lower Mt. Bethel	11.28	3.25	40.76220 -75.19653	Bangor, PA	Mud Run	CWF, MF	-	No
Mainline “A” Regulator		Washington Crossing	18977	Bucks	Lower Makefield	0.94	0.530	40.26807, -74.85712	Pennington, NJ-PA	Dyers Creek, Delaware River	MF, WWF	-	No
Compressor Station 200		Frazer	19335	Chester	East Whiteland	20.28	3.16	40.04998, -75.58589	Malvern, PA	Valley Creek	EV, MF, CWF	-	Yes
Compressor Station 515		White Haven	18661	Luzerne	Buck	952.63 (Included with Regional Energy Lateral)	24.83 (included with Regional Energy Lateral)	41.17380, -75.67118	Pleasant View Summit, PA	Shades Creek, Stony Run	HQ-CWF, MF	-	No



MUNICIPAL NOTIFICATION OF PLANNED LAND DEVELOPMENT FOR CHAPTER 102 PERMITS

PROJECT INFORMATION (COMPLETED BY APPLICANT)

Applicant Name:	Transcontinental Gas Pipe Line Company, a subsidiary of Williams Partners, L.P.	Contact Name:	Joseph Dean Manager-Permitting
Applicant Address:	2800 Post Oak Blvd, Level 11	Contact Phone:	(713) 215-3427
Applicant City, State, ZIP:	Houston, TX 77056	County:	Monroe

Description of Proposed Land Development and Stormwater Controls:

Municipality: **Ross**

The Effort Loop component of the Regional Energy Access Expansion Project will consist of approximately 13.8 miles of 42-inch pipeline co-located with existing Transco Leidy Lines between Mileposts 43.72 and 57.50 in Ross, Chestnuthill and Tunkhannock Townships, Monroe County. The new pipeline will tie-in to the existing 42-in Leidy Line "D" on both ends, completing the segment. With the segment completed, the existing pig traps (industry term for manifolds that launch or receive in-line inspection tools) at both tie-ins will no longer be needed and will therefore be removed, while the existing mainline valves will remain. Transco will be installing a new mainline valve and appurtenant equipment at Milepost 49.6 off of Sugar Hollow Road. The valve installation is a means to isolate gas flows. One Contractor Yard is proposed at the east end of the pipeline at MP 43.72. One remote anode groundbed is proposed at MP 43.72. E&S BMP's are proposed in Ross Township.

Project Area: **73.81** acres ☐ PhasedDisturbance: **66.14** acres

Tax Parcel ID(s) Affected by Proposed Land Development:

Surface Waters Receiving Stormwater Discharges:

Lake Creek, McMichael Creek, Princess Run, Weir Creek**See attached table**Discharge to: ☐ MS4 ☐ Other SS ☐ CSS

The following information was submitted to the municipality for this project:

☐ Land Development / Subdivision Plan
 ☒ E&S Plan
 ☐ PCSM Plan
 ☐ Other:

***On March 31, 2021 Transco submitted to you its E&S and PCSM Plans (Plans) as part of the ESCGP-3 permit application notification. The purpose of this notice is to let you know that Transco will be submitting an Erosion and Sediment Control Permit for Discharges of Stormwater Associated with Construction Activities Application to the PA Dept. of Environmental Protection to replace the ESCGP-3 application. Please refer to the previously submitted Plans.**

MUNICIPAL PLAN / ORDINANCE INFORMATION (COMPLETED BY MUNICIPALITY)

1. Is there an adopted municipal or multi-municipal comprehensive plan? ☐ Yes ☐ No
2. Is there an enacted municipal or multi-municipal zoning ordinance? ☐ Yes ☐ No
3. If Yes to #2, is the proposed project consistent with the ordinance? ☐ Yes ☐ No
4. Is there a municipal stormwater management ordinance? ☐ Yes ☐ No
5. If Yes to #4, is the proposed project consistent with the ordinance, without waiver? ☐ Yes ☐ No
6. If Yes to #4, indicate type of ordinance: ☐ Act 167 Model Ordinance ☐ DEP Model Ordinance (MS4s) ☐ Other

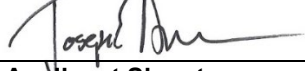
APPLICANT CERTIFICATION

I certify under penalty of law (see 18 Pa.C.S. § 4904 (relating to unsworn falsification)) that the information reported herein was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the information, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

MUNICIPAL ACKNOWLEDGEMENT

The municipality acknowledges that a permit application for the above-referenced project has been submitted to a reviewing agency and that notification requirements of Act 14 of 1984 and Acts 67, 68, and 127 of 2000 have been satisfied. The information reported herein by the municipality is true and accurate. The municipality reserves the right to comment to the reviewing agency relative to comprehensive plans, zoning, and stormwater ordinance consistency. Municipal acknowledgment of receipt of notification shall not be construed as project approval.

Joseph Dean

Applicant Name**Applicant Signature**

Manager - Permitting

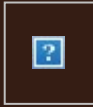
Applicant Title

07/01/2021

Date of Signature**Municipal Representative Name****Municipal Representative Signature****Municipal Representative Title****Date of Signature**

Tax Account Number/APN	Legal Desc County	Municipality
15/6/1/10	Monroe	Ross
15/6/1/11	Monroe	Ross
15/6/1/17-1	Monroe	Ross
15/6/1/17-4	Monroe	Ross
15/6/1/24	Monroe	Ross
15/6/1/25-8	Monroe	Ross
15/6/1/26	Monroe	Ross
15/6/1/37	Monroe	Ross
15/6/1/6-1	Monroe	Ross
15/6/1/6-2	Monroe	Ross
15/6/1/9	Monroe	Ross
15/6B/1/27	Monroe	Ross

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Date: Wednesday, July 7, 2021 11:28:56 AM



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WHM CONSULTING, INC

Tracking Number:	1Z8797VV0395618667
Ship To:	ROSS TOWNSHIP SUPERVISORS 250 ANCHORAGE ROAD SAYLORSBURG, PA 18353 US
Number of Packages:	1
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Package Weight:	1.0 LBS
Reference Number:	WILLIAMS-20-244, TASK 2C



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March 31, 2021

UPS TRACKING (1Z8797VV0396240027)

Ross Township Supervisors
P.O. Box 276
250 Anchorage Road
Saylorsburg, PA 18353

Re: Regional Energy Access Expansion Project – Effort Loop
Pennsylvania Acts 14, 67, 68, and 127 Notification
Chestnuthill, Ross, and Tunkhannock Townships, Monroe County, Pennsylvania

Dear Township Supervisors:

This municipal notice, under the requirements of Act 14, 97 P.S. § 510-5, is to inform you that Transcontinental Gas Pipe Line Company, LLC (Transco), a subsidiary of The Williams Companies, Inc. (Williams) is applying for coverage under the Erosion and Sediment Control General Permit (ESCGP-3) for Earth Disturbance Associated with Oil & Gas Exploration, Production, Processing or Treatment Operations or Transmission Facilities from the Pennsylvania Department of Environmental Protection (DEP).

1) Project Name: Regional Energy Access Expansion Project – Effort Loop

2) Project Description: Transco, indirectly owned by The Williams Companies, Inc. (Williams), is seeking authorization from the Federal Energy Regulatory Commission (FERC or Commission) under Section 7(c) of the Natural Gas Act and Part 157 of the Commission's regulations, to construct, own, operate, and maintain the proposed Project facilities. The Project is an expansion of Transco's existing natural gas transmission system that will enable Transco to provide an incremental 829,400 dekatherms per day (Dth/d) of year-round firm transportation capacity from the Marcellus Shale production area in northeastern Pennsylvania (PA) to multiple delivery points along Transco's Leidy Line in PA, Transco's mainline at the Station 210 Zone 6 Pooling Point in Mercer County, New Jersey (NJ) and multiple delivery points in Transco's Zone 6 in NJ, PA, and Maryland (MD).

The Effort Loop component of the Project will consist of approximately 13.8 miles of 42-inch pipeline co-located with existing Transco Leidy Lines between Mileposts 43.72 and 57.50 in Ross, Chestnuthill and Tunkhannock Townships, Monroe County. The new pipeline will tie-in to the existing 42-in Leidy Line "D" on both ends, completing the segment. With the segment completed, the existing pig traps (industry term for manifolds that launch or receive in-line inspection tools) at both tie-ins will no longer be needed and will therefore be removed, while the existing mainline valves will remain. Transco will be installing a new mainline valve and appurtenant equipment at Milepost 49.6 off of Sugar Hollow Road. The valve installation is a means to isolate gas flows. One Contractor Yard is proposed at the east end of the pipeline at MP 43.72. One remote anode groundbed is proposed at MP 43.72.

3) Applicant Name: Transcontinental Gas Pipe Line Company, LLC's (Transco), a subsidiary of Williams Partners L.P. (Williams)

4) Applicant Contact: Joseph Dean
Environmental Manager
2800 Post Oak Blvd, Level 11
Houston, TX 77056
(713) 215-3417

5) Site Location: The proposed Project is located on the Blakeslee, Pocono Pines, Brodheadsville and Saylorburg, Pennsylvania, 7.5 Minute USGS quadrangle. The Project is co-located with an existing pipeline right-of-way. The western terminus of the Effort Loop is located at: 41.053413, -75.526178, and the eastern terminus is location at: 40.896796, -75.370606.

6) Municipality / County: Chestnuthill, Ross, and Tunkhannock Townships, Monroe County

Act 14, which amended the Commonwealth's Administrative Code (71 P.S. § 510-5), requires every applicant for a new, amended, or revised permit to give written notice to each municipality (borough, township) and county government in which the facility is located. The municipality and county government must receive the written notice at least thirty (30) - days before DEP may issue or deny approval of coverage.

Enclosed is a complete copy of the Notice of Intent (NOI) completed for the project as well as copies of the erosion and sediment control plans.

Sincerely,

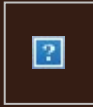
A handwritten signature in black ink, appearing to read "Ryan J. Nelson", with a stylized flourish at the end.

Ryan J. Nelson, PWS
WHM Consulting, LLC

Enclosures:

NOI Form
Erosion and Sediment Control Plan Drawings

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To: SFOX@WHMGROUP.COM
Subject: UPS Delivery Notification, Tracking Number 1Z8797VV0396240027
Date: Monday, April 5, 2021 9:59:08 AM



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WHM CONSULTING, INC

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Number of Packages:	1
UPS Service:	UPS Ground
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Reference Number:	WILLIAMS 20-245, TASK 2C



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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF WATER PROGRAMS
OFFICE OF OIL AND GAS MANAGEMENT

OFFICIAL USE ONLY

ID # T

Date Received _____

AUTH _____

SITE _____

CLNT _____

APS _____

Fee _____

Check No. _____

Check Date _____

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT
CONTROL GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH
OIL AND GAS EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT
OPERATIONS OR TRANSMISSION FACILITIES**

READ THE INSTRUCTIONS PROVIDED IN THIS PERMIT APPLICATION PACKAGE BEFORE COMPLETING THIS FORM. PLEASE PRINT OR TYPE INFORMATION IN BLACK OR BLUE INK.

SECTION A. APPLICATION TYPE

Check one:

NEW ☒ RENEWAL ☐ MAJOR MODIFICATIONS (Provide ESCGP number) ☐PHASED ☐ (check only if applicable; *note: Most projects are not submitted as phased projects*)Check one: EXPEDITED ☐ STANDARD ☒

If an Expedited Review Process being requested, be advised that the Expedited Review is not available for all projects. Refer to Section D - Expedited Review Process of the ESCGP-3 NOI Instructions to determine if the project is eligible.

SECTION B. CLIENT INFORMATION

Applicant's Last Name (If applicable)	First Name	MI	Telephone No.
Organization Name or Registered Fictitious Name Transcontinental Gas Pipe Line Company, LLC (Contact: Joseph Dean)			Telephone No. (713) 215-3427
DEP Client ID No.			
Headquarters Mailing Address 2800 Post Oak Blvd, Level 11	City Houston	State TX	ZIP Code 77056
Email Address Joseph.Dean@williams.com			
Co-Applicant's Last Name (If applicable)	First Name	MI	Telephone No.
Organization Name or Registered Fictitious Name 			Telephone No.

Address	City	State	ZIP Code
Email Address			

SECTION C. SITE INFORMATION					
Is there an existing ESCGP associated with this site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, Permit No. _____					
Has a well permit application been submitted for this site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, Permit No. _____					
Does this site have a 911 address? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, <u>provide site location address.</u>					
Site Name Regional Energy Access Expansion Project					
Site Location See Attachment 1-1.1- NOI Supporting Information			Site No. (if another permit has been issued for the site)		
Site Location – City See Attachment 1-1.1- NOI Supporting Information				State PA	ZIP Code
Detailed Written Directions to Site See Attachment 1-1.1- NOI Supporting Information for locations of all project sites					
Primary Location	County Luzerne, Northampton, Bucks, Chester, and Monroe	Municipality Buck, Bear Creek, Plains, Jenkins, Kingston, Lower Mt. Bethel, Ross, Chestnut Hill, Tunkhannock, Lower Makefield, East Whiteland and Dallas Townships Wyoming, West Wyoming, and Laflin Boroughs	City <input type="checkbox"/>	Boro <input checked="" type="checkbox"/>	Twp. <input checked="" type="checkbox"/>
SECTION D. EXPEDITED REVIEW					
I. Expedited Review Eligibility					
1. Is any part of the project in the watershed of a surface water with an existing or designated use of exceptional value or high quality pursuant to Chapter 93 (relating to water quality standards), in an exceptional value wetland in accordance with 25 Pa. Code § 105.17, or in the watershed of an impaired surface water where the cause of the impairment is identified as siltation?			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
2. Will the project in which the well pad will be constructed be in or on a floodplain?			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
3. Is any earth disturbance located or proposed to be located on land known to be contaminated by the release of regulated substances as defined in Section 103 of Act 2, 35 P.S. § 6026.103?			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
4. Will naturally occurring geologic formations or soil conditions provide hazards to the project or surrounding environment or have the potential to cause or contribute to pollution when disturbed?			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
5. Do any unresolved non-compliance issues exist with the applicant or the facility?			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
6. Is the project a transmission project?			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

<p>If yes to any of the above questions the project is not eligible for Expedited Review; If the project is eligible for Expedited Review, all the following items must be completed.</p>	
<p>II. Expedited Review Process</p>	
1. Is the technically and administratively complete and accurate NOI package prepared and certified by a licensed professional?	<input type="checkbox"/> Yes <input type="checkbox"/> No
2. Are E&S and PCSM/Site Restoration Plan drawings and narrative prepared and sealed by a licensed professional? <i>(Include interim restoration details when needed)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No
3. Include a Resource Delineation Report and answer the following questions: (If the answer to question a. is "Yes" then skip to #4. If the answer to a. is "No" the applicant must answer "Yes" to at least one of the questions, b. through d. to be eligible for expedited review.)	
a. Were all wetland resources delineated during the growing season?	<input type="checkbox"/> Yes <input type="checkbox"/> No
b. If not during the growing season, was a follow-up visit conducted during the growing season to verify/adjust boundaries and look for potentially missed resources?	<input type="checkbox"/> Yes <input type="checkbox"/> No
c. Was a quality assurance field review conducted at a later date by an independent qualified wetland professional to verify boundaries and look for potentially missed resources? (If yes, attach Quality Assurance Field Review Report)	<input type="checkbox"/> Yes <input type="checkbox"/> No
d. Was a Jurisdictional Determination (JD) or Preliminary JD conducted by the US Army Corps of Engineers on the whole project? (If yes, attach Preliminary or Jurisdictional Determination Report)	<input type="checkbox"/> Yes <input type="checkbox"/> No
4. If applicable, have you included PNDI clearance letters or other documentation from applicable resource agencies?	<input type="checkbox"/> Yes <input type="checkbox"/> No
5. If the project site contains, is along, or within 100 feet of a river, stream, creek, lake, pond or reservoir, will you establish new or preserve existing riparian forest buffer at least 100 feet in width between the top of streambank or normal pool elevation of a lake, pond or reservoir and areas of earth disturbances. If no, will a waiver be obtained? <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
6. Name of Licensed Professional	
Company	
Address	
Phone	

SECTION E. PROJECT INFORMATION																	
1. Total Project Area/Project Site (Ac):	1,346 (Also see Attachment 1-1.1)	Total Disturbed Area (Ac):	689.8 (Also see Attachment 1-1.1)														
Increased disturbed acreage <i>(for permit modification only)</i>																	
Fee: <i>(For additional information regarding fees, refer to NOI Instructions #3 Permit NOI Filing Fees.)</i>			\$ \$500 (Filing Fee), \$69,000 (Disturbed Acre Fee)														
2. Project Name: Regional Energy Access Expansion Project																	
3. Project Type (Check all that apply) <table border="0" style="width: 100%;"> <tr> <td><input type="checkbox"/> Oil/Gas Well ¹</td> <td><input checked="" type="checkbox"/> Transmission Facility</td> </tr> <tr> <td><input type="checkbox"/> Gathering Facility</td> <td><input type="checkbox"/> Processing Facility</td> </tr> <tr> <td><input type="checkbox"/> Treatment Facility</td> <td><input type="checkbox"/> Well Development Impoundment</td> </tr> <tr> <td><input checked="" type="checkbox"/> Compressor Station</td> <td><input type="checkbox"/> Non-FERC regulated Transmission Facility</td> </tr> <tr> <td><input checked="" type="checkbox"/> Pipeline</td> <td><input type="checkbox"/> Ground/Surface Water Withdrawal Site</td> </tr> <tr> <td><input type="checkbox"/> Storage Field Facility</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Other</td> <td></td> </tr> </table>				<input type="checkbox"/> Oil/Gas Well ¹	<input checked="" type="checkbox"/> Transmission Facility	<input type="checkbox"/> Gathering Facility	<input type="checkbox"/> Processing Facility	<input type="checkbox"/> Treatment Facility	<input type="checkbox"/> Well Development Impoundment	<input checked="" type="checkbox"/> Compressor Station	<input type="checkbox"/> Non-FERC regulated Transmission Facility	<input checked="" type="checkbox"/> Pipeline	<input type="checkbox"/> Ground/Surface Water Withdrawal Site	<input type="checkbox"/> Storage Field Facility		<input type="checkbox"/> Other	
<input type="checkbox"/> Oil/Gas Well ¹	<input checked="" type="checkbox"/> Transmission Facility																
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<input type="checkbox"/> Treatment Facility	<input type="checkbox"/> Well Development Impoundment																
<input checked="" type="checkbox"/> Compressor Station	<input type="checkbox"/> Non-FERC regulated Transmission Facility																
<input checked="" type="checkbox"/> Pipeline	<input type="checkbox"/> Ground/Surface Water Withdrawal Site																
<input type="checkbox"/> Storage Field Facility																	
<input type="checkbox"/> Other																	
¹ If Oil/Gas Well; is the well conventional or unconventional? <input type="checkbox"/> Conventional <input type="checkbox"/> Unconventional																	

Project Description

Transco, indirectly owned by The Williams Companies, Inc. (Williams), is seeking authorization from the Federal Energy Regulatory Commission (FERC or Commission) under Section 7(c) of the Natural Gas Act and Part 157 of the Commission's regulations, to construct, own, operate, and maintain the proposed Project facilities

The Project is an expansion of Transco's existing natural gas transmission system that will enable Transco to provide an incremental 829,400 dekatherms per day (Dth/d) of year-round firm transportation capacity from the Marcellus Shale production area in northeastern Pennsylvania (PA) to multiple delivery points along Transco's Leidy Line in PA, Transco's mainline at the Station 210 Zone 6 Pooling Point in Mercer County, New Jersey (NJ) and multiple delivery points in Transco's Zone 6 in NJ, PA, and Maryland (MD). The Project will consist of the following components:

- Approximately 22.3 miles of 30-inch-diameter pipeline partially collocated with Transco's Leidy Line A from milepost (MP) 0.00 to MP 22.32 in Luzerne County, PA (Regional Energy Lateral);
 - Approximately 13.8 miles of 42-inch-diameter pipeline collocated with Transco's Leidy Line System from MP 43.72 to MP 57.50 in Monroe County, PA (Effort Loop);
 - New gas-fired turbine driven compressor station identified as Compressor Station 201 with 11,107 nominal horsepower (HP) at International Organization of Standardization (ISO) conditions in Gloucester County, NJ;
 - Addition of two gas-fired turbine driven compressor units with 31,800 nominal HP at ISO conditions at existing Compressor Station 505 in Somerset County, NJ, to accommodate the abandonment and replacement of approximately 16,000 HP from eight existing internal combustion engine-driven compressor units and increase the certificated station compression by 15,800 HP;
 - Addition of two gas-fired turbine driven compressor units with 63,742 nominal HP at ISO conditions and modification of three existing compressors at existing Compressor Station 515 in Luzerne County, PA to support the Project and to accommodate the abandonment and replacement of approximately 17,000 HP from five existing gas-fired reciprocating engine driven compressors and increase the certificated station compression by 46,742 HP;
 - Uprate and rewheel two existing electric motor-driven compressor units at existing Compressor Station 195 in York County, PA to increase the certificated station compression by 5,000 HP and accommodate the abandonment of two existing gas-fired reciprocating engine driven compressors which total approximately 8,000 HP of compression;
 - Modifications at existing Compressor Station 200 in Chester County, PA;
 - Uprate one existing electric motor-driven compressor unit at Compressor Station 207 in Middlesex County, NJ to increase the certificated station compression by 4,100 HP;
 - Modifications to three (3) existing pipeline tie-ins in PA (Hildebrandt Tie-in, Lower Demunds REL Tie-in, and Carverton Tie-in);
 - Addition of regulation controls at an existing valve setting on Transco's Mainline "A" in Bucks County, PA (Mainline A Regulator);
 - Modifications at the existing Delaware River Regulator in Northampton County, PA;
 - Modifications at the existing Centerville Regulator in Somerset County, NJ;
 - Modifications to the existing valves and piping at the Princeton Junction (Station 210 Pooling Point) in Mercer County, NJ;
 - Modifications to three (3) existing delivery meter stations in NJ (Camden M&R Station, Lawnside M&R Station, and Mt. Laurel M&R Station);
 - Modifications to one (1) existing delivery meter station in MD (Beaver Dam M&R Station);
 - Contractual changes (no modifications) at ten (10) existing delivery meter stations in PA and NJ (Algonquin-Centerville Meter Station, Post Road Meter Station, New Village Meter Station, Spruce Run Meter Station, Marcus Hook Meter Station, Ivyland Meter Station, Repaupo Meter Station, Morgan Meter Station, Lower Mud Run Meter Station, and Chesterfield Meter Station);
 - Additional ancillary facilities, such as mainline valves (MLVs), cathodic protection, communication facilities, and internal inspection device (e.g., pig) launchers and receivers in PA; and
 - Existing, improved, and new access roads and contractor yards/staging areas in PA, NJ, and MD.
- Provide the date of pre-application meeting (if conducted with the Department) 04/27/20, 07/09/20, 09/04/20, 09/30/20, 12/15/20, 12/16/20, 01/06/21, 02/05/21

4. Provide the latitude and longitude coordinates for the center of the project. The coordinates should be in Decimal degrees and North American Datum 1983. The coordinates must meet the current DEP policy regarding locational accuracy. For linear projects provide the project's termini. See Attachment 1-1.1

Latitude (DD) . Latitude (DD) . Horizontal Collection Method: <input type="checkbox"/> GPS <input checked="" type="checkbox"/> Interpolated from U.S.G.S. Topographic Map <input type="checkbox"/> DEP's eMAP	Longitude (DD) - . Longitude (DD) - .				
5. U.S.G.S. 7.5 min. topographic quadrangle Name (See Attachment 1-1.1) <i>(Include a copy of the project area on the 7.5 min quad map)</i>					
6. Will the project be conducted as a phased permit project? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Include Master Site Plan Estimated Timetable for Phased Projects. <input type="checkbox"/> Additional sheet(s) attached.					
Phase No. or Name	Description	Total Area	Disturbed Area	Start Date	End Date
7. List existing and previous land use for a minimum of the previous 5 years. (See Section 2 of this ESCGP-3 Application)					
8. Other Pollutants: Will the stormwater discharge contain pollutional substances other than sediment? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
9. Will fuels, chemicals, solvents, other hazardous waste or materials be used or stored on site during earth disturbance activities or will Horizontal Directional Drilling (HDD) activities be conducted? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If yes, Preparedness, Prevention and Contingency (PPC) Plan must be maintained on site during earth disturbance. See NOI Instructions, E.9 PPC Plan Guidance for further information.)</i>					
10. Is the project in the watershed of an impaired surface water where the cause of the impairment is identified as siltation? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (See Section 2-5 of this ESCGP-3 Application) <i>(If yes, show how the project will not result in a net change in volume, rate or water quality. See section I below, and E.10 of NOI instructions.)</i>					
11. Are there potentially hazardous naturally occurring geological or soil conditions in any portion of the project or surrounding area? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, do the potentially hazardous geologic or soil conditions have the potential to cause or contribute to pollution as a result of the proposed earth disturbance activities? If no, provide an explanation. If yes, Geologic Hazard Mitigation Plan must be attached and explain where in this application details are provided.					
12. Has the Act 14 Municipal Notification and proof of receipt of notification been attached to the NOI? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If not, the NOI is not complete, see E.12 and #4 Municipal Notification in the NOI Instructions for additional guidance.)</i>					
13. Has the PNDI receipt been attached to the NOI? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If not, the NOI is not complete, see E.13 and #5 PNHP in the NOI Instructions for additional guidance.)</i>					
14. Have the E&S Plan and PCSM/SR Plan been planned and designed to be consistent? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
15. Have existing and/or proposed Riparian Forest Buffers been identified? Yes <input checked="" type="checkbox"/> N/A <input type="checkbox"/> <i>(If yes, they must be shown on the E&S Plan as well as the PCSM/SR Plans.)</i>					
16. Have antidegradation implementation requirements for special protection waters been addressed? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> <i>(If yes, antidegradation requirements must be included in the plan.)</i>					

17. Has the seasonal high groundwater level been identified and 20-inch separation established at all excavation locations for pits for conventional operations and Well Development Impoundments for unconventional operations?

Yes ☐ No ☐ N/A ☒

18. Receiving Waters	Chapter 93, Designated Use Stream Classification	Chapter 93, Existing Use Stream Classification
<u>Effort Loop-</u> <u>Lake Creek (HQ-CWF,MF)</u> <u>Princess Run (CWF,MF)</u> <u>Weir Creek (CWF,MF)</u> <u>McMichael Creek (EV, MF) and (HQ-CWF)</u> <u>Pohopoco Creek (CWF,MF)</u> <u>Sugar Hollow Creek (CWF,MF)</u> <u>Poplar Creek (EV,CWF,MF)</u> <u>Mud Run (HQ-CWF, MF)</u> <u>Mud Pond Run (HQ- CWF,EV,MF)</u> <u>Tunkhannock Creek (HQ- CWF,MF)</u> <u>Regional Energy Lateral- Stony Run (HQ-CWF,MF)</u> <u>Shades Creek (HQ-CWF,MF)</u> <u>Little Shades Creek (HQ- CWF,MF)</u> <u>Snider Run (HQ-CWF,MF)</u> <u>Meadow Run (HQ-CWF,MF)</u> <u>Bear Creek (HQ-CWF,MF)</u> <u>Little Bear Creek (HQ- CWF,MF)</u> <u>Mill Creek (CWF,MF)</u> <u>Gardner Creek (CWF,MF)</u> <u>Susquehanna River (WWF,MF)</u> <u>Abrahams Creek (CWF,MF)</u> <u>Toby Creek (CWF,MF)</u> <u>Trout Brook (CWF,MF)</u> <u>Compressor Station 515- Shades Creek (HQ-CWF,MF)</u> <u>Stony Run (HQ-CWF,MF)</u> <u>Compressor Station 200- Valley Creek (EV,MF)</u> <u>Delaware River Regulator- Mud Run (CWF, MF)</u> <u>Mainline "A" Regulator - Dyers Creek (WWF,MF)</u> <u>See Attachment 1-1.1 for detailed list.</u>	<input checked="" type="checkbox"/> HQ <input checked="" type="checkbox"/> EV <input checked="" type="checkbox"/> Other <u>CWF, MF, WWF</u> <input checked="" type="checkbox"/> Siltation-impaired	<input type="checkbox"/> HQ <input checked="" type="checkbox"/> EV <input checked="" type="checkbox"/> Other <u>MF</u> <input type="checkbox"/> Siltation-impaired
	<input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired	<input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired

	<input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired <input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired	<input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired <input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired
Secondary Receiving Water	Secondary Chapter 93, Designated Use	Secondary Existing Use
Name of Municipal or Private Separate Storm Sewer Operator, if applicable.		
Non-Surface Receiving Water: (include off-site discharges)		

SECTION F. EROSION AND SEDIMENT CONTROL (E&S) PLAN
See the attached Instructions for additional guidance with E&S Plans

Erosion and Sediment Control Plan BMPs should be designed to minimize accelerated erosion and sedimentation through limiting the extent and duration of earth disturbance, protection of existing drainage and vegetation, limiting soil compaction and controlling the generation of increased runoff. The Department recommends the use of the *Pennsylvania Erosion & Sedimentation Pollution Control Program Manual (E&S Manual)* (363-2134-008) to achieve this goal. The E&S Plan must meet the requirements of Pa. Code § 102.4(b) and submitted with the NOI. Also, see section 2. of the NOI instruction for detailed information on completing the E&S plan and additional requirements.

a. E&S Plan Summary

Provide a summary of proposed E&S BMPs and their performance to manage E&S for the project.

Typical BMPs provided along the pipeline Right-Of-Way includes waterbars, trench plugs, compost filter socks, compost sediment traps, rock filter outlets, erosion control blankets, rock construction entrances, temporary equipment bridges, timber mats, diversion channels, level spreaders, mulch and seed. An appropriate sediment removal device (filter bag, dewatering structure) and well-vegetated area will be utilized for trench dewatering. In HQ, EV watersheds, appropriate Antidegradation Best Available Combination of Technologies (ABACT) BMPs will be utilized. Additional information regarding all the proposed BMPs are provided in the Erosion and Sedimentation Control and Site Restoration Plans of respective project components (Section 2 of this ESCGP-3 Application).

b. E&S Plan BMP Design

Check those that apply:

- ☒ E&S Plan is designed using BMPs in the *E&S Manual*.
- ☐ E&S Plan is designed using an alternative BMP or design standard approved by DEP.

Note: NOI packages submitted with alternate BMPs not approved by the Department will be returned to the Applicant.

c. Do you have any information regarding riparian buffer which differs from Section G, Riparian Buffer?

Yes ☐ No ☒

Explain:

d. Thermal Impacts Analysis

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

Thermal impacts associated with Regional Energy Access Expansion Project will be avoided to the maximum extent possible. Minimum permanent changes in land cover are being proposed for constructing the pipeline facilities. Runoff from impervious areas added during the project will be suitably routed to Stormwater BMPs. Gravel will be used for access roads wherever practicable. To avoid thermal impacts arising from clearing and grading, removal of vegetation will be limited to only that necessary for construction and construction Right-Of-Way will be limited to 75 feet in wetlands and floodways where practical. Once construction activities are complete, disturbed areas will be restored to pre-construction contours and seeded as described in Erosion and Sediment Control and Site Restoration Plans. Temporary workspaces will be restored back with woody and herbaceous species. Thermal impacts assessments corresponding to each project component including pipelines and aboveground facilities are given in Section 2 and 3 of this ESCGP-3 Application.

e. Off-Site Discharge Analysis

Does the activity propose any off-site discharges to areas other than surface waters? ☒ Yes ☐ No

If yes, it is the applicant's responsibility to ensure that they have legal authority for any off-site discharge to neighboring properties.

The applicant must provide a demonstration in both E&S and PCSM/SR plans that the discharge will not cause erosion, damage, or a nuisance to off-site properties.

See Offsite Discharge Analysis Sections in E&S Narratives

SECTION G. RIPARIAN BUFFER

1. Will you be protecting, converting or establishing a voluntary riparian forest buffer as part of this project?
☐ Yes ☒ No
If yes, as part of the PCSM/SR Plan, provide a Buffer Management Plan.
2. Will proposed earth disturbance activities be conducted in an EV or HQ watershed AND within 150 feet of a perennial or intermittent river, stream, or creek, or lake, pond, or reservoir? ☒ Yes ☐ No
If no, proceed to the next section/module.
3. Does this project qualify for an exception (see § 102.14(d)(1))? ☒ Yes ☐ No
If yes, indicate below the type of project for which the exception applies by marking the appropriate box.
☐ Oil and gas activities for which site reclamation or restoration is part of the permit authorization in Chapter 78 and 78a.
☒ Road maintenance activities.
☐ The repair or maintenance of existing pipelines and utilities.
☐ Other (see §102.14(d)(1))
If exceptions are checked, explain how existing riparian buffer will be undisturbed to the extent practicable. Provide a demonstration that the requirements of §102.14(b) are met, or provide the necessary information to request a riparian buffer waiver.
4. Are you requesting a riparian buffer waiver for this project (see § 102.14(d)(2))? ☒ Yes ☐ No
If yes, indicate below the type of project for which you are requesting a waiver by marking the appropriate box.
☒ Linear project that may include pipelines, public roadways, rail lines, or utility lines.
☒ Project is of a temporary nature where the site will be fully restored to its preexisting conditions during the ESCGP permit term.
☒ Project where compliance with mandatory riparian buffers is not appropriate or feasible due to site characteristics or existing structures at the project site.
☐ Other (see §102.14(d)(2)):
If waivers are checked, explain how existing riparian buffers will be undisturbed to the extent practicable.
Note: If "Yes" to #2 **AND** "No" to #3 and #4, provide an attachment to demonstrate how the requirements of §102.14 are met.

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PCSM) AND/OR SITE RESTORATION(SR) PLAN

See NOI Instructions for additional guidance with PCSM Plans

PCSM/SR BMPs should be designed to use natural measures to eliminate pollution, infiltrate runoff, not require extensive construction/maintenance, promote pollutant reduction, and preserve the integrity of stream channels. All PCSM/SR BMPs proposed in the PCSM/SR Plan must be designed in accordance with Ch. 102, Ch. 78a for unconventional operations, Ch. 78 for conventional operations and the *Pennsylvania Stormwater Best Management Practices Manual (Stormwater BMP Manual)* (363-0300-002). If alternate design criteria are utilized for the proposed project, they must have prior approval by the Department, or the NOI Application will be returned to the Applicant.

After construction is completed, how much of the entire disturbed area will be restored to meadow in good condition or better, or existing conditions? ☐ All ☒ Partial ☐ None

Include PCSM narrative and drawings for remaining impervious area. Also include a map showing the proposed contours of the site restoration plan.

If there are additional stages of the project prior to permit termination or expiration, list the stages and provide the documents required by subsection 'a' to section 'g' for each stage (e.g. partial restoration or changes to the amount of compacted areas, gravel, and/or impervious areas). Upload a narrative for each additional stage in addition to the drawings.

EXAMPLE

Stage No	Stage Name	PCSM Plan	SR Plan
Stage 1		<input type="checkbox"/>	<input type="checkbox"/>
Stage 2		<input type="checkbox"/>	<input type="checkbox"/>
Stage 3		<input type="checkbox"/>	<input type="checkbox"/>
Stage 4		<input type="checkbox"/>	<input type="checkbox"/>

Act 167 Consistency. Check those that apply.

Is there an Act 167 Plan? ☒ Yes ☐ No

☒ The attached PCSM/SR Plan is consistent with an applicable approved Act 167 Plan.

Complete the following for all approved Act 167 Stormwater Management Plans. (Use additional sheets if necessary)

Act 167 Plan Name _____ Date Adopted _____ Consistency Letter Included ☐

Luzerne County Stormwater August 18, 2010 Verification Report Included ☒

Management Ordinance

Valley Creek Watershed Stormwater February 04, 2011

Management Plan

Note: A consistency letter is not required if a verification report is provided. See NOI Instructions. The PCSM/SR Plan must satisfy either sub paragraph 1, 2, or 3 below. Check those that apply.

1. ☒ Act 167 Plan approvals on or after January 2005 – The attached PCSM/SR Plan, in its entirety, is consistent with all requirements pertaining to rate, volume, and water quality from an Act 167 Stormwater Management Plan approved by DEP on or after January 2005. Box 1 must be checked if a current, DEP approved Act 167 plan exists.
2. ☒ The PCSM/SR Plan meets the standard design criteria from sections 102.8(g)(2) and (3) and the *Stormwater BMP Manual*. For projects involving oil and gas activities authorized by a permit issued under Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure, post construction stormwater management requirements are met for all areas that are restored to preconstruction conditions or to a condition of meadow in good condition or better. *[Note: PCSM plans must meet both the volume and rate requirements in the regulations, which are provided in the 2 sections mentioned in this paragraph].*
3. ☐ Alternative Design Standard – The attached PCSM/SR Plan was developed using approaches as provided in 102.8(g)(2)(iv) and 102.8(g)(3)(iii). Demonstrate/explain in the space provided below how this standard will be either more protective than what is required in 102.8(g)(2) and 102.8(g)(3) or will maintain and protect existing water quality and existing and designated uses.

PCSM/SR BMP Alternative Standards:

Has the alternative BMP or design standard been approved by the Department?

☐ Yes

☐ No – Do not submit the ESCGP-3 application and see Section (H) of the NOI Instructions concerning the alternative BMP approval process.

Water Quality Compliance:

Does the PCSM/SR plan comply with requirements for volume control? ☒ Yes ☐ No

If yes, is at least 90% of the disturbed area controlled by a PCSM BMP? ☒ Yes ☐ No

If yes, do you have the Standard PCSM Worksheet # 10 attached to show water quality compliance has achieved?

☒ Yes ☐ No

If no, attach Standard PCSM Worksheets # 12 and #13 to show water quality compliance has achieved.

If PCSM/SR plan is not complying with the requirements for volume control, attach Standard PCSM Worksheets # 11, # 12 and #13 to show water quality compliance has achieved.

a. PCSM/SR Plan Summary

Provide a summary of proposed BMPs and their performance to manage PCSM/SR for the project.

Along the pipeline Right-Of-Way, typical E&S BMPs such as waterbars and erosion control blanket will be left in place as part of site restoration. After construction activities are completed, temporary workspaces will be restored to meadow in good condition or better than existing conditions. For the aboveground facilities, PCSM BMPs such as infiltration basins, diversion channels and vegetated swales will be used and left in place as part of site restoration. Additional information regarding all the proposed BMPs are provided in the Post-Construction Stormwater Management Plans of respective project components (Section 3 of this ESCGP-3 Application).

Check all that apply ☒ PCSM BMPs ☒ SR BMPs

b. Do you have any information regarding riparian buffer which differs from what was submitted in the Section G, Riparian Buffer?

☐ Yes ☒ No

Explain:

c. Thermal Impacts Analysis

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

Runoff collected in PCSM BMPs such as infiltration basins will mitigate thermal impacts from post construction stormwater. Runoff collected in infiltration basins are discharged to receiving waters are not expected to be retained for more than 24 hours. Minimum permanent changes in land cover are being proposed for constructing the pipeline facilities. Gravel will be used for access roads wherever practicable. Removal of trees and riparian vegetation and addition of impervious surfaces will be limited to only that necessary for construction. Once construction activities are complete, disturbed areas will be restored to pre-construction contours and seeded as described in Erosion and Sedimental Control and Site Restoration Plans. Temporary workspaces will be restored back with woody and herbaceous species. Thermal impacts assessments corresponding to each project component including pipelines and aboveground facilities are given in Section 2 and 3 of this ESCGP-3 Application.

d. Off-Site Discharge Analysis.

Does the activity propose any off-site discharges to areas other than surface waters? ☒ Yes ☐ No

If yes, it is the applicant's responsibility to ensure that they have legal authority for any off-site discharge to neighboring properties.

The Applicant must provide a demonstration in both the E&S and PCSM/SR Plans that the discharge will not cause erosion, damage, or a nuisance to off-site properties.

See Offsite Discharge Analysis Sections in PCSM Narratives

NOI Section H. POST CONSTRUCTION STORMWATER MANAGEMENT (PCSM) PLANS

Summary Calculations of Post Construction Stormwater BMPs

1. Regional Energy Lateral Pipeline - MLV-515RA20
2. Regional Energy Lateral Pipeline - MLV-515RA30
3. Regional Energy Lateral Pipeline - Carverton Tie-in
4. Regional Energy Lateral Pipeline - Lower Demunds REL Tie-in
5. Regional Energy Lateral Pipeline – Hildebrandt Tie-in/MLV-515RA40
6. Effort Loop Pipeline - MLV-505LD86
7. Compressor Station 200
8. Compressor Station 515

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - MLV-515RA20 - Zenker Valve Yard

e. Summary Table for Supporting Calculation and Measurement Data
(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Mill Creek			
Volume Control design storm frequency 2-year Rainfall amount 2.95 inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.19	+0.19
Volume of stormwater runoff (acre- feet) without planned stormwater BMPs	0.04	0.06	+0.02
Volume of stormwater runoff (acre- feet) with planned stormwater BMPs		0.03	-0.01
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	3.51	3.22	-0.29
2) 10-Year/24-Hour	6.82	6.17	-0.65
3) 50-year/24-Hour	11.88	11.12	-0.76
4) 100-year/24-Hour	14.91	14.91	-0.00

f. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Vegetated Swale	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input checked="" type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ <u>1,396cf(2-yr);</u> <u>6,186cf(100-yr)</u>	_____ _____ <u>0.28</u>
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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g. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Dry Extended Detention Basin area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Channels to ensure they have been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Dry Extended Detention Basin to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Dry Extended Detention Basin the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. At completion of Collection Channel C1 to ensure it has been constructed to the proposed line and grade, the specified lining material has been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
6. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to Collection Channel C1.
7. For final inspection of constructed BMPs.
8. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL GENERAL PERMIT (ESGCP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR TRANSMISSION FACILITIES

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - MLV-515RA30 - Wyoming Valve Yard

b. Summary Table for Supporting Calculation and Measurement Data (See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Susquehanna-Solomon Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>2.57</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.24	+0.24
Volume of stormwater runoff (acre- feet) without planned stormwater BMPs	0.03	0.06	+0.03
Volume of stormwater runoff (acre- feet) with planned stormwater BMPs		0.03	-0.00
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.22	0.02	-0.20
2) 10-Year/24-Hour	0.68	0.03	-0.65
3) 50-year/24-Hour	1.52	0.06	-1.46
4) 100-year/24-Hour	2.06	0.07	-1.99

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Soil Amendment	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>451cf(2-yr);</u> <u>2,511cf(100-yr)</u> _____ _____ _____ _____	_____ <u>0.21</u> _____ _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input checked="" type="checkbox"/> Other <u>Vegetated Swale</u>	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	 <u>1,009cf(2-yr):</u> <u>4,264cf(100-yr)</u>	 <u>0.49</u>
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Vegetated Swale area has been flagged and fence erected to prevent access to the area.
2. At the beginning of construction of the Vegetated Swale to ensure the infiltration area has not been compacted by construction activities.
3. During construction of the Vegetated Swale the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
4. At completion of Collection Channel C1 to ensure it has been constructed to the proposed line and grade, the specified lining material has been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the infiltration berm.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - Carverton Tie-In

<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i></p> <p>The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Abrahams Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>2.61</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.03	0.11	+0.08
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.02	0.03	+0.01
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.00	-0.02
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.46	0.00	-0.46
2) 10-Year/24-Hour	0.91	0.00	-0.91
3) 50-year/24-Hour	1.61	0.00	-1.61
4) 100-year/24-Hour	2.01	0.00	-2.01

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>1,280cf (2-yr);</u> <u>4,445cf(100-yr)</u>	_____ _____ _____ _____ <u>0.26</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. At the beginning of construction to ascertain the Infiltration Berm area has been flagged and fence erected to prevent access to the area.
2. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the infiltration berm.
3. At the beginning of construction of the Infiltration Berm to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the infiltration berm the licensed professional will observe that the berm is constructed in accordance with the plans and specifications.
5. For final inspection of constructed BMPs.
6. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - Lower Demunds REL Tie-In

<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i></p> <p>The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Toby Creek			
Volume Control design storm frequency 2-year Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.12	+0.12
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.02	0.04	+0.02
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.01	-0.01
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.20	0.00	-0.20
2) 10-Year/24-Hour	0.40	0.00	-0.40
3) 50-year/24-Hour	0.71	0.20	-0.51
4) 100-year/24-Hour	0.89	0.51	-0.38

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>1,481cf(2-yr);</u> <u>4,356cf(100-yr)</u> _____ _____ _____	_____ <u>0.17</u> _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Valve Yard Pad area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Berm/Channel to ensure it has been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Valve Yard Pad to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Valve Yard Pad the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the outlet structure.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline – MLV-515RA40-Hildebrandt Tie-In

b. Summary Table for Supporting Calculation and Measurement Data

(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Toby Creek

Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.0	0.22	+0.22
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.03	0.07	+0.04
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.01	-0.02
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.34	0.20	-0.14
2) 10-Year/24-Hour	0.67	0.38	-0.29
3) 50-year/24-Hour	1.20	0.65	-0.55
4) 100-year/24-Hour	1.52	0.80	-0.72

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Vegetated Swale	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>2,265cf(2-yr);</u> <u>5,881cf(100-yr)</u>	_____ <u>0.21</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____

<input type="checkbox"/> Roadside Vegetated Filter Strips		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Stormwater Energy Dissipaters	Infiltration/Recharge			
<input type="checkbox"/> Level Spreaders		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Riprap Aprons		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Upslope Diversions		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Other _____		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____

d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Valve Yard Pad area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Channel to ensure it has been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Valve Yard Pad to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Valve Yard Pad the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the outlet structure.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Effort Loop Pipeline-MLV-505LD86 Sugar Hollow Valve Yard

b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i> The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.			
Watershed Name: Pohopoco Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.26</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.09	0.62	+0.53
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.35	0.44	+0.09
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.28	-0.07
Stormwater discharge rate for the design frequency storm DA-1	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.01	0.01	-0.00
2) 10-Year/24-Hour	0.37	0.31	-0.06
3) 50-year/24-Hour	5.89	4.21	-1.68
4) 100-year/24-Hour	11.47	8.28	-3.19
Stormwater discharge rate for the design frequency storm DA-2	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	4.51	3.97	-0.54
2) 10-Year/24-Hour	12.49	12.28	-0.21
3) 50-year/24-Hour	26.58	24.35	-2.23
4) 100-year/24-Hour	35.41	31.74	-3.67

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input checked="" type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ <u>1,123cf(2-yr);</u> <u>21,318cf(100-yr)</u> _____ <u>5,915cf(2-yr);</u> <u>26,924cf(100-yr)</u>	_____ _____ <u>2.85</u> _____ <u>1.54</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. For the final grading of the access road, ensuring it is constructed according to the plan details for proper conveyance of runoff.
2. Following final grading and seeding of the diversion channels and basin, in order to confirm they have been constructed according to the plan details for proper collection and conveyance of runoff. Periodic assessments will need to be made to ensure accumulated sediment have been cleaned out so the channels and basin maintain the necessary design volumes.
3. During the layout and excavation of the outlet control structure, the professional or delegate will ensure sizing, materials specifications, and construction procedures are followed to enable proper storage in the basin.
4. Following final grading and seeding of the infiltration berm in order to confirm they have been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessment will need to be made to ensure that accumulated sediment have been cleaned out so the area behind the berm maintains the necessary design volume.
5. For final inspection of constructed channels, basin and berms.
6. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Compressor Station 200

b. Summary Table for Supporting Calculation and Measurement Data

(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Valley Creek

Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.30</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.25	0.40	+0.15
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.07	0.11	+0.04
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.07	-0.00
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	1.03	0.15	-0.88
2) 10-Year/24-Hour	2.06	1.39	-0.67
3) 50-year/24-Hour	3.19	2.79	-0.40
4) 100-year/24-Hour	3.97	3.50	-0.47

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>3,790cf(2-yr);</u> <u>11,631cf(100-yr)</u>	_____ _____ _____ _____ <u>0.56</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

- Following final grading and seeding of the infiltration berm in order to confirm it has been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessments will need to be made to ensure that accumulated sediment should be cleaned out so the channels and berm maintain necessary design volume.
- For final inspection of constructed BMPs.
- At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E & S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESGCP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

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<p align="center">b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i></p> <p>The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Bear Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.34	2.44	+2.10
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.50	0.81	+0.31
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.18	-0.32
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	5.46	1.76	-3.70
2) 10-Year/24-Hour	10.19	8.30	-1.89
3) 50-year/24-Hour	16.85	9.55	-7.30
4) 100-year/24-Hour	20.81	9.58	-11.23

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>31,799cf(2-yr):</u> <u>96,268cf(100-yr)</u>	_____ _____ _____ _____ <u>3.83</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

- Following final grading and seeding of the collection channels and infiltration berm in order to confirm they have been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessments will need to be made to ensure that accumulated sediment should be cleaned out so the channels and berm maintain necessary design volume.
- For final inspection of constructed BMPs.
- At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E & S controls.

SECTION I. ANTIDegradation ANALYSIS

This section must be completed where earth disturbance activities will be conducted in the watershed of a surface water with an existing or designated use of exceptional value or high quality pursuant to Chapter 93 (relating to water quality standards), projects where any part is located in an exceptional value wetland in accordance with 25 Pa. Code § 105.17, and projects where any part is located in the watershed of an impaired surface water where the cause of impairment is identified as siltation.

Part 1 - NONDISCHARGE ALTERNATIVES EVALUATION

The applicant must consider and describe any and all non-discharge alternatives for the entire project area which are environmentally sound and will:

- Minimize accelerated erosion and sedimentation during the earth disturbance activity
- Achieve no net change from pre-development to post-development volume, rate and concentration of pollutants in water quality

E & S Plan	PCSM/SR Plan
<p>Check off the environmentally sound nondischarge Best Management Practices (BMPs) listed below to be used prior to, during, and after earth disturbance activities that have been incorporated into your E & S Plan based on the site analysis. For non-discharge BMPs not checked, provide an explanation of why they were not utilized. Also for BMPs checked, provide an explanation of why they were utilized. (Provide the analysis and attach additional sheets if necessary)</p> <p>See Section 2 of this ESCGP-3 Application</p>	<p>Check off the environmentally sound nondischarge Best Management Practices (BMPs) listed below to be used after construction that have been incorporated into the PCSM/SR Plan based on your site analysis. For non-discharge BMPs not checked, provide an explanation of why they were not utilized. Also for BMPs checked, provide an explanation of why they were utilized. (Provide the analysis and attach additional sheets if necessary)</p> <p>See Section 3 of this ESCGP-3 Application</p>
<p>Nondischarge BMPs</p> <div style="margin-left: 20px;"> <input type="checkbox"/> Alternative Siting <div style="margin-left: 20px;"> <input type="checkbox"/> Alternative location <input type="checkbox"/> Alternative configuration <input type="checkbox"/> Alternative location of discharge </div> <input checked="" type="checkbox"/> Limited Disturbed Area <input type="checkbox"/> Limiting Extent & Duration of Disturbance (Phasing, Sequencing) <input type="checkbox"/> Riparian Buffers (150 ft. min.) <input type="checkbox"/> Riparian Forest Buffer (150 ft. min.) <input type="checkbox"/> Other _____ </div>	<p>Nondischarge BMPs</p> <div style="margin-left: 20px;"> <input type="checkbox"/> Alternative Siting <div style="margin-left: 20px;"> <input type="checkbox"/> Alternative location <input type="checkbox"/> Alternative configuration <input type="checkbox"/> Alternative location of discharge </div> <input type="checkbox"/> Low Impact Development (LID / BSD) <input type="checkbox"/> Riparian Buffers (150 ft. min.) <input type="checkbox"/> Riparian Forest Buffer (150 ft. min.) <input checked="" type="checkbox"/> Infiltration <input type="checkbox"/> Water Reuse <input type="checkbox"/> Other _____ </div>
<p>Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality during construction?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, antidegradation analysis is complete. If no, proceed to Part 2.</p>	<p>Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality after construction?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, antidegradation analysis is complete. If no, proceed to Part 2.</p>

PART 2 - ANTIDEGRADATION BEST AVAILABLE COMBINATION OF TECHNOLOGIES (ABACT)

If the net change in stormwater discharge from or after construction is not fully managed by nondischarge BMPs, the applicant must utilize ABACT BMPs to manage the difference. The Applicant must specify whether the discharge will occur during construction, post-construction or both, and identify the technologies that will be used to ensure that the discharge will be a non-degrading discharge. ABACT BMPs include but are not limited to:

E & S Plan	PCSM/SR Plan
<p><input checked="" type="checkbox"/> Treatment BMPs:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Sediment basin with skimmer <input type="checkbox"/> Sediment basin ratio of 4:1 or greater (flow length to basin width) <input type="checkbox"/> Sediment basin with 4-7 day detention <input type="checkbox"/> Flocculants <input checked="" type="checkbox"/> Compost Filter Socks <input checked="" type="checkbox"/> Compost Filter Sock Sediment Basin <input checked="" type="checkbox"/> RCE w/ Wash Rack <p><input checked="" type="checkbox"/> Land disposal:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Vegetated filters <input type="checkbox"/> Riparian buffers <150ft. <input type="checkbox"/> Riparian Forest Buffer <150ft. <input checked="" type="checkbox"/> Immediate stabilization <p><input checked="" type="checkbox"/> Pollution prevention:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> PPC Plans <input checked="" type="checkbox"/> Street sweeping <input checked="" type="checkbox"/> Channels, collectors and diversions lined with permanent vegetation, rock, geotextile or other non-erosive materials <p><input type="checkbox"/> Stormwater reuse technologies:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Sediment basin water for dust control <input type="checkbox"/> Sediment basin water for irrigation <p><input type="checkbox"/> Other _____</p>	<p><input checked="" type="checkbox"/> Treatment BMPs:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Infiltration Practices <input type="checkbox"/> Wet ponds <input type="checkbox"/> Created wetland treatment systems <input checked="" type="checkbox"/> Vegetated swales <input type="checkbox"/> Manufactured devices <input checked="" type="checkbox"/> Bio-retention/infiltration <input type="checkbox"/> Green Roofs <p><input type="checkbox"/> Land disposal:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Vegetated filters <input type="checkbox"/> Riparian Buffers <150ft. <input type="checkbox"/> Riparian Forest Buffer <150ft. <input type="checkbox"/> Disconnection of roof drainage <input type="checkbox"/> Bio-retention/bio-infiltration <p><input checked="" type="checkbox"/> Pollution prevention:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Street sweeping <input type="checkbox"/> Nutrient, pesticide, herbicide or other chemical application plan alternatives <input checked="" type="checkbox"/> PPC Plans <input checked="" type="checkbox"/> Non-structural Practices <input checked="" type="checkbox"/> Restoration BMPs <p><input type="checkbox"/> Stormwater reuse technologies:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Divert rainwater into impoundment <input type="checkbox"/> Underground storage <p><input type="checkbox"/> Spray/Drip Irrigation</p> <p><input type="checkbox"/> Other _____</p>
<p>Are the ABACT BMPs selected sufficient to minimize E&S discharges to the extent that existing or designated surface water uses are protected?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.</p>	<p>Are the ABACT BMPs selected sufficient to achieve no net change and assure that existing or designated surface water uses are protected?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.</p>

SECTION J. COMPLIANCE HISTORY REVIEW

Is/was the applicant(s) in violation of any Department regulation, order, schedule of compliance or permit or in violation of any department regulated activities within the past five years?

☒ Yes ☐ No

If yes, provide the permit number or facility name, a brief description of the violation, the compliance schedule (including dates and steps to achieve compliance) and the current compliance status. (Attach additional information on a separate sheet, when necessary)

Permit Program or Activity: Chapter 102, Chapter 105, PAG-10

Permit Number (if applicable):

1. ESG03000150001, ESG00350150001, ESG00081150001
2. E41-649
3. E-19-311, E36-947, E-38-195, E40-769, E49-336, E54-360, E58-315, E66-160, E41-667, E18-495,
4. PAG109632

Brief Description of non-compliance:

Consent Assessment of Civil Penalty, Reports past due.

Steps taken to achieve compliance

1. Consent Assessment of Civil Penalty
2. Consent Assessment of Civil Penalty. Permits being obtained to complete channel restoration
3. Consent Assessment of Civil Penalty
4. All past due reports were provided to PADEP

Date(s) compliance achieved

1. 9/20/2020
2. 8/9/2020
3. 9/20/2020
4. 12/14/2017



Current Compliance Status: ☒ In-Compliance

☐ In Non-Compliance

If in non-compliance, attach schedule for achieving compliance.

SECTION K. CERTIFICATION BY PERSON PREPARING E&S AND PCSM/SR PLANS

I do hereby certify to the best of my knowledge, information, and belief, that the Erosion and Sediment Control and PCSM/Site Restoration Plans are true and correct, represent actual field conditions, and are in accordance with the 25 Pa. Code Chapters 78/78a and 102 of the Department's rules and regulations. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Print Name Kevin C. Clark	Signature 	Professional Seal 	
Company BAI Group, LLC			
Address 2525 Green Tech Drive, Suite D, State College, PA-16803			
Phone (814) 238-2060			
Most Recent DEP Training Attended	Location		Date
e-Mail Address kclark@baigroupllc.com			

EXPEDITED REVIEW PROCESS

In addition to the certification required above, applicants using the expedited permit review process must attach an E&S and PCSM/Site Restoration Plans developed and sealed by a licensed professional engineer, surveyor or professional geologist. The plans shall contain the following certification:

I do hereby certify to the best of my knowledge, information, and belief, that the E & S Control and PCSM/SR BMPs are true and correct, represent actual field conditions and are in accordance with the 25 Pa. Code Chapters 78 / 78a and 102 of the Department's rules and regulations. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SECTION L. APPLICANT CERTIFICATION

Applicant Certification

I certify under penalty of law, as provided by 18 Pa. C.S.A. § 4904, that this application and all related attachments were prepared by me or under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my own knowledge and on inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. The responsible official's signature also verifies that the activity is eligible to participate in the ESCGP, and that the applicant agrees to abide by the terms and conditions of the permit. BMP's, E&S Plan, PPC Plan, PCSM Plan, and other controls are being or will be, implemented to ensure that water quality standards and effluent limits are attained.

I grant permission to the agencies responsible for the permitting of this work, or their duly authorized representative to enter the project site for inspection purposes. I will abide by the conditions of the permit if issued and will not begin work prior to permit issuance.

(For individuals no indication of title is necessary, choose the box below. All others proceed to the next paragraph)

☐ **Individual; proceed to signature portion.**

I hereby certify under penalty of law, as provided by 18 Pa. C.S.A. § 4904, that I am the person who is responsible for decision-making regarding environmental compliance functions for Transcontinental Gas Pipeline Company, LLC, the manager of one or more manufacturing, production, or operating facilities of the applicant and am authorized to make management decisions which govern the operation of regulated facility including having explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure the applicant's long term environmental compliance with environmental laws and regulations; and I am responsible for ensuring that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements.

(choose one of the following; not applicable for individuals):

☐ The responsible corporate officer ☐ president ☐ vice president ☐ secretary
☐ treasure of _____ Corporation/Company
Entity name

☒ The ☐ member or ☒ manager of Transcontinental Gas Pipe Line Company, LLC
Entity name

☐ The general partner of _____ partnership/LP/LLP
Entity name

☐ The principal executive officer or ranking elected official of _____ Municipality/State/Federal/other public
agency
Entity name

☐ Power of Attorney/delegation of contractual authority (documentation supporting delegation of contracting
authority must be provided) for _____
Entity name

Print Name and Title of Applicant Print Name and Title of Co-Applicant (if applicable)

Signature of Applicant Signature of Co-Applicant

Date Application Signed Date Application Signed

Notarization

Sworn to and subscribed to before me this
____ day of _____, 20____

Commonwealth of Pennsylvania
County of _____

Notary Public

My Commission expires _____

AFFIX SEAL

SECTION M. ADDITIONAL CONTACT INFORMATION				
Contact's Last Name	First Name	MI	Phone (814) 689-1650	
Nelson	Ryan	J	FAX	
Mailing Address	City	State	ZIP + 4	
2525 Green Tech Drive, Suite B	State College	PA	16803	
e-Mail Address ryann@whmgroup.com				

Section 1-1.1 NOI Supporting Information

Project Component	Site	Site Location City	ZIP Code	County	Municipality	Total Project Area/Project Site (Acre)	Total Disturbed Area (Acre)	Latitude / Longitude	U.S.G.S. 7.5 min. Topographic Quadrangle	Receiving Waters	Chapter 93, Designated Use Stream Classification	Chapter 93, Existing Use Stream Classification	Siltation Impaired
Regional Energy Lateral	Pipeline			Luzerne	Buck, Bear Creek, Plains, Jenkins, Kingston, Dallas, Wyoming, West Wyoming, Laflin	952.63	420.67 (includes CS 515 and sites below)	41.173337, -75.671706 (eastern terminus) 41.346917, -75.946263 (western terminus)	Kingston, Pittston, Avoca, Wilkes-Barre East, Pleasant View Summit	Stony Run, Shades Creek, Little Shades Creek, Snider Run, Meadow Run, Bear Creek, Little Bear Creek, Mill Creek, Gardner Creek, Susquehanna River, Abrahams Creek, Toby Creek, Trout Brook	MF, HQ-CWF, WWF, CWF	-	No
	CY-LU-001	Wyoming	18644	Luzerne	Wyoming		16.3 (Included within above total)	41.31016, -75.84636		Abrahams Creek	CWF, MF	-	No
	CY-LU-002	Wilkes-Barre	18702	Luzerne	Laflin		11.4 (Included within above total)	41.28491, -75.79026		Gardner Creek	CWF, MF	-	No
	MLV-515RA20	Wilkes-Barre	18702	Luzerne	Bear Creek Township		0.46 (Included within above total)	41.25279, -75.75856		Mill Creek	CWF, MF	-	No
	MLV-515RA30	Wyoming	18644	Luzerne	Wyoming Borough		0.44 (Included within above total)	41.30411, -75.84662		Susquehanna River	WWF		No
	Carverton Tie-in	Wyoming	18644	Luzerne	West Wyoming Borough		3.9 (Included within above total)	41.32053, -75.87270		Abrahams Creek	CWF, MF		No
	Lower Demunds REL Tie-in	Dallas	18612	Luzerne	Dallas Township		1.7 (Included within above total)	41.34652, -75.94551		Trout Brook	CWF, MF		No
	Hildebrandt Tie-in/MLV-515RA40	Dallas	18612	Luzerne	Dallas Township		3.1 (Included within above total)	41.34692, -75.94629		Toby Creek, Trout Brook	CWF, MF		No
	Laflin Borough Stream Stabilization	Wilkes-Barre	18702	Luzerne	Laflin Borough		0.94 (Included within above total)	41.28925, -75.80209		Gardner Creek	CWF, MF	-	No
Effort Loop	Pipeline			Monroe	Ross, Chestnuthill, Tunkhannock	360.63	262.18	40.896796, -75.370606 (Southeast Terminus) 41.053413, -75.526178 (Northwest Terminus)	Blakeslee, Pocono Pines, Brodheads ville, Saylorsburg	Lake Creek, Princess Run, Weir Creek, McMichael Creek, Pohopoco Creek, Sugar Hollow Creek, Poplar Creek, Mud Run, Mud Pond Run, Tunkhannock Creek	EV, MF, HQ-CWF, CWF	EV, MF	No

Regional Energy Access Expansion Project
ESCGP-3 Permit Application
Transcontinental Gas Pipe Line Company, LLC
Section 1-1.1 NOI Supporting Information

Project Component	Site	Site Location City	ZIP Code	County	Municipality	Total Project Area/Project Site (Acre)	Total Disturbed Area (Acre)	Latitude / Longitude	U.S.G.S. 7.5 min. Topographic Quadrangle	Receiving Waters	Chapter 93, Designated Use Stream Classification	Chapter 93, Existing Use Stream Classification	Siltation Impaired
	MLV-505LD86 Sugar Hollow Valve Yard	Effort	18330	Monroe	Chestnut Hill Township		8.8 (Included within above total)	40.96775, -75.42980		Sugar Hollow Creek	CWF, MF	-	No
	CY-MO-001	Saylorsburg	18353	Monroe	Ross Township		50.1 (Included within above total)	40.89803, -75.36784		Lake Creek, Princess Run	HQ-CWF, MF, CWF	-	No
Delaware River Regulator		Easton	18040	Northampton	Lower Mt. Bethel	11.28	3.25	40.76220 -75.19653	Bangor, PA	Mud Run	CWF, MF	-	No
Mainline “A” Regulator		Washington Crossing	18977	Bucks	Lower Makefield	0.94	0.530	40.26807, -74.85712	Pennington, NJ-PA	Dyers Creek, Delaware River	MF, WWF	-	No
Compressor Station 200		Frazer	19335	Chester	East Whiteland	20.28	3.16	40.04998, -75.58589	Malvern, PA	Valley Creek	EV, MF, CWF	-	Yes
Compressor Station 515		White Haven	18661	Luzerne	Buck	952.63 (Included with Regional Energy Lateral)	24.83 (included with Regional Energy Lateral)	41.17380, -75.67118	Pleasant View Summit, PA	Shades Creek, Stony Run	HQ-CWF, MF	-	No



MUNICIPAL NOTIFICATION OF PLANNED LAND DEVELOPMENT FOR CHAPTER 102 PERMITS

PROJECT INFORMATION (COMPLETED BY APPLICANT)

Applicant Name:	Transcontinental Gas Pipe Line Company, a subsidiary of Williams Partners, L.P.	Contact Name:	Joseph Dean Manager-Permitting
Applicant Address:	2800 Post Oak Blvd, Level 11	Contact Phone:	(713) 215-3427
Applicant City, State, ZIP:	Houston, TX 77056	County:	Monroe

Description of Proposed Land Development and Stormwater Controls:

Municipality: **Tunkhannock**

The Effort Loop component of the Regional Energy Access Expansion Project will consist of approximately 13.8 miles of 42-inch pipeline co-located with existing Transco Leidy Lines between Mileposts 43.72 and 57.50 in Ross, Chestnuthill and Tunkhannock Townships, Monroe County. The new pipeline will tie-in to the existing 42-in Leidy Line "D" on both ends, completing the segment. With the segment completed, the existing pig traps (industry term for manifolds that launch or receive in-line inspection tools) at both tie-ins will no longer be needed and will therefore be removed, while the existing mainline valves will remain. Transco will be installing a new mainline valve and appurtenant equipment at Milepost 49.6 off of Sugar Hollow Road. The valve installation is a means to isolate gas flows. One Contractor Yard is proposed at the east end of the pipeline at MP 43.72. One remote anode groundbed is proposed at MP 43.72. E&S BMP's are proposed in Tunkhannock Township.

Project Area: **105.56** acres ☐ PhasedDisturbance: **68.80** acres

Tax Parcel ID(s) Affected by Proposed Land Development:

Surface Waters Receiving Stormwater Discharges:

Mud Run, Mud Pond Run, Poplar Creek, Tunkhannock Creek**See attached table.**Discharge to: ☐ MS4 ☐ Other SS ☐ CSS

The following information was submitted to the municipality for this project:

☐ Land Development / Subdivision Plan ☒ E&S Plan ☐ PCSM Plan ☐ Other:

***On March 31, 2021 Transco submitted to you its E&S and PCSM Plans (Plans) as part of the ESCGP-3 permit application notification. The purpose of this notice is to let you know that Transco will be submitting an Erosion and Sediment Control Permit for Discharges of Stormwater Associated with Construction Activities Application to the PA Dept. of Environmental Protection to replace the ESCGP-3 application. Please refer to the previously submitted Plans.**

MUNICIPAL PLAN / ORDINANCE INFORMATION (COMPLETED BY MUNICIPALITY)

1. Is there an adopted municipal or multi-municipal comprehensive plan? ☐ Yes ☐ No
2. Is there an enacted municipal or multi-municipal zoning ordinance? ☐ Yes ☐ No
3. If Yes to #2, is the proposed project consistent with the ordinance? ☐ Yes ☐ No
4. Is there a municipal stormwater management ordinance? ☐ Yes ☐ No
5. If Yes to #4, is the proposed project consistent with the ordinance, without waiver? ☐ Yes ☐ No
6. If Yes to #4, indicate type of ordinance: ☐ Act 167 Model Ordinance ☐ DEP Model Ordinance (MS4s) ☐ Other

APPLICANT CERTIFICATION

I certify under penalty of law (see 18 Pa.C.S. § 4904 (relating to unsworn falsification)) that the information reported herein was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the information, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

MUNICIPAL ACKNOWLEDGEMENT

The municipality acknowledges that a permit application for the above-referenced project has been submitted to a reviewing agency and that notification requirements of Act 14 of 1984 and Acts 67, 68, and 127 of 2000 have been satisfied. The information reported herein by the municipality is true and accurate. The municipality reserves the right to comment to the reviewing agency relative to comprehensive plans, zoning, and stormwater ordinance consistency. Municipal acknowledgment of receipt of notification shall not be construed as project approval.

Joseph Dean

Applicant Name**Applicant Signature**

Manager - Permitting

Applicant Title

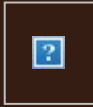
07/012021

Date of Signature**Municipal Representative Name****Municipal Representative Signature****Municipal Representative Title****Date of Signature**

Tax Account Number/APN	Legal Desc County	Municipality
20/10/1/2	Monroe	Tunkhannock
20/11/1/53	Monroe	Tunkhannock
20/11/1/56	Monroe	Tunkhannock
20/111968	Monroe	Tunkhannock
20/111969	Monroe	Tunkhannock
20/113985	Monroe	Tunkhannock
20/3A/1/101	Monroe	Tunkhannock
20/3A/1/102	Monroe	Tunkhannock
20/3A/1/103	Monroe	Tunkhannock
20/3A/1/121	Monroe	Tunkhannock
20/3A/1/122	Monroe	Tunkhannock
20/3A/1/123	Monroe	Tunkhannock
20/3A/1/124	Monroe	Tunkhannock
20/3A/1/125	Monroe	Tunkhannock
20/3A/1/126	Monroe	Tunkhannock
20/3A/1/130	Monroe	Tunkhannock
20/3A/1/131	Monroe	Tunkhannock
20/3A/1/17	Monroe	Tunkhannock
20/3A/1/83	Monroe	Tunkhannock
20/3A/1/84	Monroe	Tunkhannock
20/7/1/13	Monroe	Tunkhannock
20/7/1/14-13	Monroe	Tunkhannock
20/7/1/14-24	Monroe	Tunkhannock
20/7/1/14-3	Monroe	Tunkhannock
20/7/1/14-7	Monroe	Tunkhannock
20/7/1/17	Monroe	Tunkhannock
20/7/1/17-1	Monroe	Tunkhannock
20/7/1/18	Monroe	Tunkhannock
20/7/1/2	Monroe	Tunkhannock
20/7A/1/2	Monroe	Tunkhannock
20/7A/1/3	Monroe	Tunkhannock
20/7A/1/4	Monroe	Tunkhannock
20/7A/1/5	Monroe	Tunkhannock
20/7A/1/6	Monroe	Tunkhannock
20/7A/1/7	Monroe	Tunkhannock
20/7A/1/8	Monroe	Tunkhannock
20/7A/1/9	Monroe	Tunkhannock
20/8/1/7	Monroe	Tunkhannock
20/86198	Monroe	Tunkhannock
20/86206	Monroe	Tunkhannock
20/86207	Monroe	Tunkhannock

20/86525	Monroe	Chestnuthill and Tunkhannock
20/8A/2/10	Monroe	Tunkhannock
20/8A/2/14	Monroe	Tunkhannock
20/8A/2/29	Monroe	Tunkhannock
20/8A/2/30	Monroe	Tunkhannock
20/8A/2/32	Monroe	Tunkhannock
20/8A/2/33	Monroe	Tunkhannock
20/8A/2/34	Monroe	Tunkhannock
20/8A/2/42	Monroe	Tunkhannock
20/8A/2/43	Monroe	Tunkhannock
20/8A/2/44	Monroe	Tunkhannock
20/8A/2/45	Monroe	Tunkhannock
20/8A/2/7	Monroe	Tunkhannock
20/8J/1/17	Monroe	Tunkhannock
20/8J/1/18	Monroe	Tunkhannock
20/8J/1/19	Monroe	Tunkhannock
20/8J/1/20	Monroe	Tunkhannock
20/8J/1/30	Monroe	Tunkhannock
20/8J/1/47	Monroe	Tunkhannock
20/8J/1/48	Monroe	Tunkhannock
20/8J/1/55	Monroe	Tunkhannock
20/8J/1/56	Monroe	Tunkhannock
20/92731	Monroe	Tunkhannock
20/94409	Monroe	Tunkhannock
N/A	Monroe	Tunkhannock

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Date: Wednesday, July 7, 2021 11:50:02 AM



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Signed by: KERNAN

WHM CONSULTING, INC

Tracking Number:	1Z8797VV0392613800
Ship To:	TUNKHANNOCK TOWNSHIP SUPERVISORS 1557 LONG POND ROAD LONG POND, PA 18334 US
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March 31, 2021

UPS TRACKING (1Z8797VV0394479597)

Tunkhannock Township Supervisors
P.O. Box 203
1557 Long Pond Road
Long Pond, PA 18334

Re: Regional Energy Access Expansion Project – Effort Loop
Pennsylvania Acts 14, 67, 68, and 127 Notification
Chestnuthill, Ross, and Tunkhannock Townships, Monroe County, Pennsylvania

Dear Township Supervisors:

This municipal notice, under the requirements of Act 14, 97 P.S. § 510-5, is to inform you that Transcontinental Gas Pipe Line Company, LLC (Transco), a subsidiary of The Williams Companies, Inc. (Williams) is applying for coverage under the Erosion and Sediment Control General Permit (ESCGP-3) for Earth Disturbance Associated with Oil & Gas Exploration, Production, Processing or Treatment Operations or Transmission Facilities from the Pennsylvania Department of Environmental Protection (DEP).

1) Project Name: Regional Energy Access Expansion Project – Effort Loop

2) Project Description: Transco, indirectly owned by The Williams Companies, Inc. (Williams), is seeking authorization from the Federal Energy Regulatory Commission (FERC or Commission) under Section 7(c) of the Natural Gas Act and Part 157 of the Commission's regulations, to construct, own, operate, and maintain the proposed Project facilities. The Project is an expansion of Transco's existing natural gas transmission system that will enable Transco to provide an incremental 829,400 dekatherms per day (Dth/d) of year-round firm transportation capacity from the Marcellus Shale production area in northeastern Pennsylvania (PA) to multiple delivery points along Transco's Leidy Line in PA, Transco's mainline at the Station 210 Zone 6 Pooling Point in Mercer County, New Jersey (NJ) and multiple delivery points in Transco's Zone 6 in NJ, PA, and Maryland (MD).

The Effort Loop component of the Project will consist of approximately 13.8 miles of 42-inch pipeline co-located with existing Transco Leidy Lines between Mileposts 43.72 and 57.50 in Ross, Chestnuthill and Tunkhannock Townships, Monroe County. The new pipeline will tie-in to the existing 42-in Leidy Line "D" on both ends, completing the segment. With the segment completed, the existing pig traps (industry term for manifolds that launch or receive in-line inspection tools) at both tie-ins will no longer be needed and will therefore be removed, while the existing mainline valves will remain. Transco will be installing a new mainline valve and appurtenant equipment at Milepost 49.6 off of Sugar Hollow Road. The valve installation is a means to isolate gas flows. One Contractor Yard is proposed at the east end of the pipeline at MP 43.72. One remote anode groundbed is proposed at MP 43.72.

3) Applicant Name: Transcontinental Gas Pipe Line Company, LLC's (Transco), a subsidiary of Williams Partners L.P. (Williams)

4) Applicant Contact: Joseph Dean
Environmental Manager
2800 Post Oak Blvd, Level 11
Houston, TX 77056
(713) 215-3417

5) Site Location: The proposed Project is located on the Blakeslee, Pocono Pines, Brodheadsville and Saylorsburg, Pennsylvania, 7.5 Minute USGS quadrangle. The Project is co-located with an existing pipeline right-of-way. The western terminus of the Effort Loop is located at: 41.053413, -75.526178, and the eastern terminus is location at: 40.896796, -75.370606.

6) Municipality / County: Chestnuthill, Ross, and Tunkhannock Townships, Monroe County

Act 14, which amended the Commonwealth's Administrative Code (71 P.S. § 510-5), requires every applicant for a new, amended, or revised permit to give written notice to each municipality (borough, township) and county government in which the facility is located. The municipality and county government must receive the written notice at least thirty (30) - days before DEP may issue or deny approval of coverage.

Enclosed is a complete copy of the Notice of Intent (NOI) completed for the project as well as copies of the erosion and sediment control plans.

Sincerely,

A handwritten signature in black ink, appearing to read "Ryan J. Nelson", written in a cursive style.

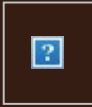
Ryan J. Nelson, PWS
WHM Consulting, LLC

Enclosures:

NOI Form

Erosion and Sediment Control Plan Drawings

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Signed by: KERNAN

WHM CONSULTING, INC

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF WATER PROGRAMS
OFFICE OF OIL AND GAS MANAGEMENT

OFFICIAL USE ONLY

ID # T

Date Received _____

AUTH _____

SITE _____

CLNT _____

APS _____

Fee _____

Check No. _____

Check Date _____

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT
CONTROL GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH
OIL AND GAS EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT
OPERATIONS OR TRANSMISSION FACILITIES**

READ THE INSTRUCTIONS PROVIDED IN THIS PERMIT APPLICATION PACKAGE BEFORE COMPLETING THIS FORM. PLEASE PRINT OR TYPE INFORMATION IN BLACK OR BLUE INK.

SECTION A. APPLICATION TYPE

Check one:

NEW ☒RENEWAL ☐MAJOR MODIFICATIONS (Provide ESCGP number) ☐PHASED ☐ (check only if applicable; *note: Most projects are not submitted as phased projects*)Check one: EXPEDITED ☐STANDARD ☒

If an Expedited Review Process being requested, be advised that the Expedited Review is not available for all projects. Refer to Section D - Expedited Review Process of the ESCGP-3 NOI Instructions to determine if the project is eligible.

SECTION B. CLIENT INFORMATION

Applicant's Last Name (If applicable)	First Name	MI	Telephone No.
Organization Name or Registered Fictitious Name Transcontinental Gas Pipe Line Company, LLC (Contact: Joseph Dean)			Telephone No. (713) 215-3427
DEP Client ID No.			
Headquarters Mailing Address 2800 Post Oak Blvd, Level 11	City Houston	State TX	ZIP Code 77056
Email Address Joseph.Dean@williams.com			
Co-Applicant's Last Name (If applicable)	First Name	MI	Telephone No.
Organization Name or Registered Fictitious Name 			Telephone No.

Address	City	State	ZIP Code
Email Address			

SECTION C. SITE INFORMATION					
Is there an existing ESCGP associated with this site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, Permit No. _____					
Has a well permit application been submitted for this site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, Permit No. _____					
Does this site have a 911 address? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, <u>provide site location address.</u>					
Site Name Regional Energy Access Expansion Project					
Site Location See Attachment 1-1.1- NOI Supporting Information			Site No. (if another permit has been issued for the site)		
Site Location – City See Attachment 1-1.1- NOI Supporting Information				State PA	ZIP Code
Detailed Written Directions to Site See Attachment 1-1.1- NOI Supporting Information for locations of all project sites					
Primary Location	County Luzerne, Northampton, Bucks, Chester, and Monroe	Municipality Buck, Bear Creek, Plains, Jenkins, Kingston, Lower Mt. Bethel, Ross, Chestnut Hill, Tunkhannock, Lower Makefield, East Whiteland and Dallas Townships Wyoming, West Wyoming, and Laflin Boroughs	City <input type="checkbox"/>	Boro <input checked="" type="checkbox"/>	Twp. <input checked="" type="checkbox"/>
SECTION D. EXPEDITED REVIEW					
I. Expedited Review Eligibility					
1. Is any part of the project in the watershed of a surface water with an existing or designated use of exceptional value or high quality pursuant to Chapter 93 (relating to water quality standards), in an exceptional value wetland in accordance with 25 Pa. Code § 105.17, or in the watershed of an impaired surface water where the cause of the impairment is identified as siltation?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
2. Will the project in which the well pad will be constructed be in or on a floodplain?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Is any earth disturbance located or proposed to be located on land known to be contaminated by the release of regulated substances as defined in Section 103 of Act 2, 35 P.S. § 6026.103?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4. Will naturally occurring geologic formations or soil conditions provide hazards to the project or surrounding environment or have the potential to cause or contribute to pollution when disturbed?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
5. Do any unresolved non-compliance issues exist with the applicant or the facility?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
6. Is the project a transmission project?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

<p>If yes to any of the above questions the project is not eligible for Expedited Review; If the project is eligible for Expedited Review, all the following items must be completed.</p>	
<p>II. Expedited Review Process</p>	
1. Is the technically and administratively complete and accurate NOI package prepared and certified by a licensed professional?	<input type="checkbox"/> Yes <input type="checkbox"/> No
2. Are E&S and PCSM/Site Restoration Plan drawings and narrative prepared and sealed by a licensed professional? <i>(Include interim restoration details when needed)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No
3. Include a Resource Delineation Report and answer the following questions: (If the answer to question a. is "Yes" then skip to #4. If the answer to a. is "No" the applicant must answer "Yes" to at least one of the questions, b. through d. to be eligible for expedited review.)	
a. Were all wetland resources delineated during the growing season?	<input type="checkbox"/> Yes <input type="checkbox"/> No
b. If not during the growing season, was a follow-up visit conducted during the growing season to verify/adjust boundaries and look for potentially missed resources?	<input type="checkbox"/> Yes <input type="checkbox"/> No
c. Was a quality assurance field review conducted at a later date by an independent qualified wetland professional to verify boundaries and look for potentially missed resources? (If yes, attach Quality Assurance Field Review Report)	<input type="checkbox"/> Yes <input type="checkbox"/> No
d. Was a Jurisdictional Determination (JD) or Preliminary JD conducted by the US Army Corps of Engineers on the whole project? (If yes, attach Preliminary or Jurisdictional Determination Report)	<input type="checkbox"/> Yes <input type="checkbox"/> No
4. If applicable, have you included PNDI clearance letters or other documentation from applicable resource agencies?	<input type="checkbox"/> Yes <input type="checkbox"/> No
5. If the project site contains, is along, or within 100 feet of a river, stream, creek, lake, pond or reservoir, will you establish new or preserve existing riparian forest buffer at least 100 feet in width between the top of streambank or normal pool elevation of a lake, pond or reservoir and areas of earth disturbances. If no, will a waiver be obtained? <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
6. Name of Licensed Professional	
Company	
Address	
Phone	

SECTION E. PROJECT INFORMATION																	
1. Total Project Area/Project Site (Ac):	1,346 (Also see Attachment 1-1.1)	Total Disturbed Area (Ac):	689.8 (Also see Attachment 1-1.1)														
Increased disturbed acreage <i>(for permit modification only)</i>																	
Fee: <i>(For additional information regarding fees, refer to NOI Instructions #3 Permit NOI Filing Fees.)</i>			\$ \$500 (Filing Fee), \$69,000 (Disturbed Acre Fee)														
2. Project Name: Regional Energy Access Expansion Project																	
3. Project Type (Check all that apply) <table border="0" style="width: 100%;"> <tr> <td><input type="checkbox"/> Oil/Gas Well ¹</td> <td><input checked="" type="checkbox"/> Transmission Facility</td> </tr> <tr> <td><input type="checkbox"/> Gathering Facility</td> <td><input type="checkbox"/> Processing Facility</td> </tr> <tr> <td><input type="checkbox"/> Treatment Facility</td> <td><input type="checkbox"/> Well Development Impoundment</td> </tr> <tr> <td><input checked="" type="checkbox"/> Compressor Station</td> <td><input type="checkbox"/> Non-FERC regulated Transmission Facility</td> </tr> <tr> <td><input checked="" type="checkbox"/> Pipeline</td> <td><input type="checkbox"/> Ground/Surface Water Withdrawal Site</td> </tr> <tr> <td><input type="checkbox"/> Storage Field Facility</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Other</td> <td></td> </tr> </table>				<input type="checkbox"/> Oil/Gas Well ¹	<input checked="" type="checkbox"/> Transmission Facility	<input type="checkbox"/> Gathering Facility	<input type="checkbox"/> Processing Facility	<input type="checkbox"/> Treatment Facility	<input type="checkbox"/> Well Development Impoundment	<input checked="" type="checkbox"/> Compressor Station	<input type="checkbox"/> Non-FERC regulated Transmission Facility	<input checked="" type="checkbox"/> Pipeline	<input type="checkbox"/> Ground/Surface Water Withdrawal Site	<input type="checkbox"/> Storage Field Facility		<input type="checkbox"/> Other	
<input type="checkbox"/> Oil/Gas Well ¹	<input checked="" type="checkbox"/> Transmission Facility																
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<input checked="" type="checkbox"/> Compressor Station	<input type="checkbox"/> Non-FERC regulated Transmission Facility																
<input checked="" type="checkbox"/> Pipeline	<input type="checkbox"/> Ground/Surface Water Withdrawal Site																
<input type="checkbox"/> Storage Field Facility																	
<input type="checkbox"/> Other																	
¹ If Oil/Gas Well; is the well conventional or unconventional? <input type="checkbox"/> Conventional <input type="checkbox"/> Unconventional																	

Project Description

Transco, indirectly owned by The Williams Companies, Inc. (Williams), is seeking authorization from the Federal Energy Regulatory Commission (FERC or Commission) under Section 7(c) of the Natural Gas Act and Part 157 of the Commission's regulations, to construct, own, operate, and maintain the proposed Project facilities

The Project is an expansion of Transco's existing natural gas transmission system that will enable Transco to provide an incremental 829,400 dekatherms per day (Dth/d) of year-round firm transportation capacity from the Marcellus Shale production area in northeastern Pennsylvania (PA) to multiple delivery points along Transco's Leidy Line in PA, Transco's mainline at the Station 210 Zone 6 Pooling Point in Mercer County, New Jersey (NJ) and multiple delivery points in Transco's Zone 6 in NJ, PA, and Maryland (MD). The Project will consist of the following components:

- Approximately 22.3 miles of 30-inch-diameter pipeline partially collocated with Transco's Leidy Line A from milepost (MP) 0.00 to MP 22.32 in Luzerne County, PA (Regional Energy Lateral);
 - Approximately 13.8 miles of 42-inch-diameter pipeline collocated with Transco's Leidy Line System from MP 43.72 to MP 57.50 in Monroe County, PA (Effort Loop);
 - New gas-fired turbine driven compressor station identified as Compressor Station 201 with 11,107 nominal horsepower (HP) at International Organization of Standardization (ISO) conditions in Gloucester County, NJ;
 - Addition of two gas-fired turbine driven compressor units with 31,800 nominal HP at ISO conditions at existing Compressor Station 505 in Somerset County, NJ, to accommodate the abandonment and replacement of approximately 16,000 HP from eight existing internal combustion engine-driven compressor units and increase the certificated station compression by 15,800 HP;
 - Addition of two gas-fired turbine driven compressor units with 63,742 nominal HP at ISO conditions and modification of three existing compressors at existing Compressor Station 515 in Luzerne County, PA to support the Project and to accommodate the abandonment and replacement of approximately 17,000 HP from five existing gas-fired reciprocating engine driven compressors and increase the certificated station compression by 46,742 HP;
 - Uprate and rewheel two existing electric motor-driven compressor units at existing Compressor Station 195 in York County, PA to increase the certificated station compression by 5,000 HP and accommodate the abandonment of two existing gas-fired reciprocating engine driven compressors which total approximately 8,000 HP of compression;
 - Modifications at existing Compressor Station 200 in Chester County, PA;
 - Uprate one existing electric motor-driven compressor unit at Compressor Station 207 in Middlesex County, NJ to increase the certificated station compression by 4,100 HP;
 - Modifications to three (3) existing pipeline tie-ins in PA (Hildebrandt Tie-in, Lower Demunds REL Tie-in, and Carverton Tie-in);
 - Addition of regulation controls at an existing valve setting on Transco's Mainline "A" in Bucks County, PA (Mainline A Regulator);
 - Modifications at the existing Delaware River Regulator in Northampton County, PA;
 - Modifications at the existing Centerville Regulator in Somerset County, NJ;
 - Modifications to the existing valves and piping at the Princeton Junction (Station 210 Pooling Point) in Mercer County, NJ;
 - Modifications to three (3) existing delivery meter stations in NJ (Camden M&R Station, Lawnside M&R Station, and Mt. Laurel M&R Station);
 - Modifications to one (1) existing delivery meter station in MD (Beaver Dam M&R Station);
 - Contractual changes (no modifications) at ten (10) existing delivery meter stations in PA and NJ (Algonquin-Centerville Meter Station, Post Road Meter Station, New Village Meter Station, Spruce Run Meter Station, Marcus Hook Meter Station, Ivyland Meter Station, Repaupo Meter Station, Morgan Meter Station, Lower Mud Run Meter Station, and Chesterfield Meter Station);
 - Additional ancillary facilities, such as mainline valves (MLVs), cathodic protection, communication facilities, and internal inspection device (e.g., pig) launchers and receivers in PA; and
 - Existing, improved, and new access roads and contractor yards/staging areas in PA, NJ, and MD.
- Provide the date of pre-application meeting (if conducted with the Department) 04/27/20, 07/09/20, 09/04/20, 09/30/20, 12/15/20, 12/16/20, 01/06/21, 02/05/21

4. Provide the latitude and longitude coordinates for the center of the project. The coordinates should be in Decimal degrees and North American Datum 1983. The coordinates must meet the current DEP policy regarding locational accuracy. For linear projects provide the project's termini. See Attachment 1-1.1

Latitude (DD) . Latitude (DD) . Horizontal Collection Method: <input type="checkbox"/> GPS <input checked="" type="checkbox"/> Interpolated from U.S.G.S. Topographic Map <input type="checkbox"/> DEP's eMAP	Longitude (DD) - . Longitude (DD) - .				
5. U.S.G.S. 7.5 min. topographic quadrangle Name (See Attachment 1-1.1) <i>(Include a copy of the project area on the 7.5 min quad map)</i>					
6. Will the project be conducted as a phased permit project? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Include Master Site Plan Estimated Timetable for Phased Projects. <input type="checkbox"/> Additional sheet(s) attached.					
Phase No. or Name	Description	Total Area	Disturbed Area	Start Date	End Date
7. List existing and previous land use for a minimum of the previous 5 years. (See Section 2 of this ESCGP-3 Application)					
8. Other Pollutants: Will the stormwater discharge contain pollutational substances other than sediment? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
9. Will fuels, chemicals, solvents, other hazardous waste or materials be used or stored on site during earth disturbance activities or will Horizontal Directional Drilling (HDD) activities be conducted? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If yes, Preparedness, Prevention and Contingency (PPC) Plan must be maintained on site during earth disturbance. See NOI Instructions, E.9 PPC Plan Guidance for further information.)</i>					
10. Is the project in the watershed of an impaired surface water where the cause of the impairment is identified as siltation? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (See Section 2-5 of this ESCGP-3 Application) <i>(If yes, show how the project will not result in a net change in volume, rate or water quality. See section I below, and E.10 of NOI instructions.)</i>					
11. Are there potentially hazardous naturally occurring geological or soil conditions in any portion of the project or surrounding area? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, do the potentially hazardous geologic or soil conditions have the potential to cause or contribute to pollution as a result of the proposed earth disturbance activities? If no, provide an explanation. If yes, Geologic Hazard Mitigation Plan must be attached and explain where in this application details are provided.					
12. Has the Act 14 Municipal Notification and proof of receipt of notification been attached to the NOI? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If not, the NOI is not complete, see E.12 and #4 Municipal Notification in the NOI Instructions for additional guidance.)</i>					
13. Has the PNDI receipt been attached to the NOI? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If not, the NOI is not complete, see E.13 and #5 PNHP in the NOI Instructions for additional guidance.)</i>					
14. Have the E&S Plan and PCSM/SR Plan been planned and designed to be consistent? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
15. Have existing and/or proposed Riparian Forest Buffers been identified? Yes <input checked="" type="checkbox"/> N/A <input type="checkbox"/> <i>(If yes, they must be shown on the E&S Plan as well as the PCSM/SR Plans.)</i>					
16. Have antidegradation implementation requirements for special protection waters been addressed? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> <i>(If yes, antidegradation requirements must be included in the plan.)</i>					

17. Has the seasonal high groundwater level been identified and 20-inch separation established at all excavation locations for pits for conventional operations and Well Development Impoundments for unconventional operations?

Yes ☐ No ☐ N/A ☒

[illegible]

	<input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired <input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired	<input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired <input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired
Secondary Receiving Water	Secondary Chapter 93, Designated Use	Secondary Existing Use
Name of Municipal or Private Separate Storm Sewer Operator, if applicable.		
Non-Surface Receiving Water: (include off-site discharges)		

SECTION F. EROSION AND SEDIMENT CONTROL (E&S) PLAN
See the attached Instructions for additional guidance with E&S Plans

Erosion and Sediment Control Plan BMPs should be designed to minimize accelerated erosion and sedimentation through limiting the extent and duration of earth disturbance, protection of existing drainage and vegetation, limiting soil compaction and controlling the generation of increased runoff. The Department recommends the use of the *Pennsylvania Erosion & Sedimentation Pollution Control Program Manual (E&S Manual)* (363-2134-008) to achieve this goal. The E&S Plan must meet the requirements of Pa. Code § 102.4(b) and submitted with the NOI. Also, see section 2. of the NOI instruction for detailed information on completing the E&S plan and additional requirements.

a. E&S Plan Summary

Provide a summary of proposed E&S BMPs and their performance to manage E&S for the project.

Typical BMPs provided along the pipeline Right-Of-Way includes waterbars, trench plugs, compost filter socks, compost sediment traps, rock filter outlets, erosion control blankets, rock construction entrances, temporary equipment bridges, timber mats, diversion channels, level spreaders, mulch and seed. An appropriate sediment removal device (filter bag, dewatering structure) and well-vegetated area will be utilized for trench dewatering. In HQ, EV watersheds, appropriate Antidegradation Best Available Combination of Technologies (ABACT) BMPs will be utilized. Additional information regarding all the proposed BMPs are provided in the Erosion and Sedimentation Control and Site Restoration Plans of respective project components (Section 2 of this ESCGP-3 Application).

b. E&S Plan BMP Design

Check those that apply:

- ☒ E&S Plan is designed using BMPs in the *E&S Manual*.
- ☐ E&S Plan is designed using an alternative BMP or design standard approved by DEP.

Note: NOI packages submitted with alternate BMPs not approved by the Department will be returned to the Applicant.

c. Do you have any information regarding riparian buffer which differs from Section G, Riparian Buffer?

Yes ☐ No ☒

Explain:

d. Thermal Impacts Analysis

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

Thermal impacts associated with Regional Energy Access Expansion Project will be avoided to the maximum extent possible. Minimum permanent changes in land cover are being proposed for constructing the pipeline facilities. Runoff from impervious areas added during the project will be suitably routed to Stormwater BMPs. Gravel will be used for access roads wherever practicable. To avoid thermal impacts arising from clearing and grading, removal of vegetation will be limited to only that necessary for construction and construction Right-Of-Way will be limited to 75 feet in wetlands and floodways where practical. Once construction activities are complete, disturbed areas will be restored to pre-construction contours and seeded as described in Erosion and Sediment Control and Site Restoration Plans. Temporary workspaces will be restored back with woody and herbaceous species. Thermal impacts assessments corresponding to each project component including pipelines and aboveground facilities are given in Section 2 and 3 of this ESCGP-3 Application.

e. Off-Site Discharge Analysis

Does the activity propose any off-site discharges to areas other than surface waters? ☒ Yes ☐ No

If yes, it is the applicant's responsibility to ensure that they have legal authority for any off-site discharge to neighboring properties.

The applicant must provide a demonstration in both E&S and PCSM/SR plans that the discharge will not cause erosion, damage, or a nuisance to off-site properties.

See Offsite Discharge Analysis Sections in E&S Narratives

SECTION G. RIPARIAN BUFFER

1. Will you be protecting, converting or establishing a voluntary riparian forest buffer as part of this project?
☐ Yes ☒ No
If yes, as part of the PCSM/SR Plan, provide a Buffer Management Plan.
2. Will proposed earth disturbance activities be conducted in an EV or HQ watershed AND within 150 feet of a perennial or intermittent river, stream, or creek, or lake, pond, or reservoir? ☒ Yes ☐ No
If no, proceed to the next section/module.
3. Does this project qualify for an exception (see § 102.14(d)(1))? ☒ Yes ☐ No
If yes, indicate below the type of project for which the exception applies by marking the appropriate box.
☐ Oil and gas activities for which site reclamation or restoration is part of the permit authorization in Chapter 78 and 78a.
☒ Road maintenance activities.
☐ The repair or maintenance of existing pipelines and utilities.
☐ Other (see §102.14(d)(1))
If exceptions are checked, explain how existing riparian buffer will be undisturbed to the extent practicable. Provide a demonstration that the requirements of §102.14(b) are met, or provide the necessary information to request a riparian buffer waiver.
4. Are you requesting a riparian buffer waiver for this project (see § 102.14(d)(2))? ☒ Yes ☐ No
If yes, indicate below the type of project for which you are requesting a waiver by marking the appropriate box.
☒ Linear project that may include pipelines, public roadways, rail lines, or utility lines.
☒ Project is of a temporary nature where the site will be fully restored to its preexisting conditions during the ESCGP permit term.
☒ Project where compliance with mandatory riparian buffers is not appropriate or feasible due to site characteristics or existing structures at the project site.
☐ Other (see §102.14(d)(2)):
If waivers are checked, explain how existing riparian buffers will be undisturbed to the extent practicable.
Note: If "Yes" to #2 **AND** "No" to #3 and #4, provide an attachment to demonstrate how the requirements of §102.14 are met.

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PCSM) AND/OR SITE RESTORATION(SR) PLAN

See NOI Instructions for additional guidance with PCSM Plans

PCSM/SR BMPs should be designed to use natural measures to eliminate pollution, infiltrate runoff, not require extensive construction/maintenance, promote pollutant reduction, and preserve the integrity of stream channels. All PCSM/SR BMPs proposed in the PCSM/SR Plan must be designed in accordance with Ch. 102, Ch. 78a for unconventional operations, Ch. 78 for conventional operations and the *Pennsylvania Stormwater Best Management Practices Manual (Stormwater BMP Manual)* (363-0300-002). If alternate design criteria are utilized for the proposed project, they must have prior approval by the Department, or the NOI Application will be returned to the Applicant.

After construction is completed, how much of the entire disturbed area will be restored to meadow in good condition or better, or existing conditions? ☐ All ☒ Partial ☐ None

Include PCSM narrative and drawings for remaining impervious area. Also include a map showing the proposed contours of the site restoration plan.

If there are additional stages of the project prior to permit termination or expiration, list the stages and provide the documents required by subsection 'a' to section 'g' for each stage (e.g. partial restoration or changes to the amount of compacted areas, gravel, and/or impervious areas). Upload a narrative for each additional stage in addition to the drawings.

EXAMPLE

Stage No	Stage Name	PCSM Plan	SR Plan
Stage 1		<input type="checkbox"/>	<input type="checkbox"/>
Stage 2		<input type="checkbox"/>	<input type="checkbox"/>
Stage 3		<input type="checkbox"/>	<input type="checkbox"/>
Stage 4		<input type="checkbox"/>	<input type="checkbox"/>

Act 167 Consistency. Check those that apply.

Is there an Act 167 Plan? ☒ Yes ☐ No

☒ The attached PCSM/SR Plan is consistent with an applicable approved Act 167 Plan.

Complete the following for all approved Act 167 Stormwater Management Plans. (Use additional sheets if necessary)

Act 167 Plan Name _____ Date Adopted _____ Consistency Letter Included ☐

Luzerne County Stormwater August 18, 2010 Verification Report Included ☒

Management Ordinance

Valley Creek Watershed Stormwater February 04, 2011

Management Plan

Note: A consistency letter is not required if a verification report is provided. See NOI Instructions. The PCSM/SR Plan must satisfy either sub paragraph 1, 2, or 3 below. Check those that apply.

1. ☒ Act 167 Plan approvals on or after January 2005 – The attached PCSM/SR Plan, in its entirety, is consistent with all requirements pertaining to rate, volume, and water quality from an Act 167 Stormwater Management Plan approved by DEP on or after January 2005. Box 1 must be checked if a current, DEP approved Act 167 plan exists.
2. ☒ The PCSM/SR Plan meets the standard design criteria from sections 102.8(g)(2) and (3) and the *Stormwater BMP Manual*. For projects involving oil and gas activities authorized by a permit issued under Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure, post construction stormwater management requirements are met for all areas that are restored to preconstruction conditions or to a condition of meadow in good condition or better. *[Note: PCSM plans must meet both the volume and rate requirements in the regulations, which are provided in the 2 sections mentioned in this paragraph].*
3. ☐ Alternative Design Standard – The attached PCSM/SR Plan was developed using approaches as provided in 102.8(g)(2)(iv) and 102.8(g)(3)(iii). Demonstrate/explain in the space provided below how this standard will be either more protective than what is required in 102.8(g)(2) and 102.8(g)(3) or will maintain and protect existing water quality and existing and designated uses.

PCSM/SR BMP Alternative Standards:

Has the alternative BMP or design standard been approved by the Department?

☐ Yes

☐ No – Do not submit the ESCGP-3 application and see Section (H) of the NOI Instructions concerning the alternative BMP approval process.

Water Quality Compliance:

Does the PCSM/SR plan comply with requirements for volume control? ☒ Yes ☐ No

If yes, is at least 90% of the disturbed area controlled by a PCSM BMP? ☒ Yes ☐ No

If yes, do you have the Standard PCSM Worksheet # 10 attached to show water quality compliance has achieved?

☒ Yes ☐ No

If no, attach Standard PCSM Worksheets # 12 and #13 to show water quality compliance has achieved.

If PCSM/SR plan is not complying with the requirements for volume control, attach Standard PCSM Worksheets # 11, # 12 and #13 to show water quality compliance has achieved.

a. PCSM/SR Plan Summary

Provide a summary of proposed BMPs and their performance to manage PCSM/SR for the project.

Along the pipeline Right-Of-Way, typical E&S BMPs such as waterbars and erosion control blanket will be left in place as part of site restoration. After construction activities are completed, temporary workspaces will be restored to meadow in good condition or better than existing conditions. For the aboveground facilities, PCSM BMPs such as infiltration basins, diversion channels and vegetated swales will be used and left in place as part of site restoration. Additional information regarding all the proposed BMPs are provided in the Post-Construction Stormwater Management Plans of respective project components (Section 3 of this ESCGP-3 Application).

Check all that apply ☒ PCSM BMPs ☒ SR BMPs

b. Do you have any information regarding riparian buffer which differs from what was submitted in the Section G, Riparian Buffer?

☐ Yes ☒ No

Explain:

c. Thermal Impacts Analysis

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

Runoff collected in PCSM BMPs such as infiltration basins will mitigate thermal impacts from post construction stormwater. Runoff collected in infiltration basins are discharged to receiving waters are not expected to be retained for more than 24 hours. Minimum permanent changes in land cover are being proposed for constructing the pipeline facilities. Gravel will be used for access roads wherever practicable. Removal of trees and riparian vegetation and addition of impervious surfaces will be limited to only that necessary for construction. Once construction activities are complete, disturbed areas will be restored to pre-construction contours and seeded as described in Erosion and Sedimental Control and Site Restoration Plans. Temporary workspaces will be restored back with woody and herbaceous species. Thermal impacts assessments corresponding to each project component including pipelines and aboveground facilities are given in Section 2 and 3 of this ESCGP-3 Application.

d. Off-Site Discharge Analysis.

Does the activity propose any off-site discharges to areas other than surface waters? ☒ Yes ☐ No

If yes, it is the applicant's responsibility to ensure that they have legal authority for any off-site discharge to neighboring properties.

The Applicant must provide a demonstration in both the E&S and PCSM/SR Plans that the discharge will not cause erosion, damage, or a nuisance to off-site properties.

See Offsite Discharge Analysis Sections in PCSM Narratives

NOI Section H. POST CONSTRUCTION STORMWATER MANAGEMENT (PCSM) PLANS

Summary Calculations of Post Construction Stormwater BMPs

1. Regional Energy Lateral Pipeline - MLV-515RA20
2. Regional Energy Lateral Pipeline - MLV-515RA30
3. Regional Energy Lateral Pipeline - Carverton Tie-in
4. Regional Energy Lateral Pipeline - Lower Demunds REL Tie-in
5. Regional Energy Lateral Pipeline – Hildebrandt Tie-in/MLV-515RA40
6. Effort Loop Pipeline - MLV-505LD86
7. Compressor Station 200
8. Compressor Station 515

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - MLV-515RA20 - Zenker Valve Yard

e. Summary Table for Supporting Calculation and Measurement Data
(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Mill Creek			
Volume Control design storm frequency 2-year Rainfall amount 2.95 inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.19	+0.19
Volume of stormwater runoff (acre- feet) without planned stormwater BMPs	0.04	0.06	+0.02
Volume of stormwater runoff (acre- feet) with planned stormwater BMPs		0.03	-0.01
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	3.51	3.22	-0.29
2) 10-Year/24-Hour	6.82	6.17	-0.65
3) 50-year/24-Hour	11.88	11.12	-0.76
4) 100-year/24-Hour	14.91	14.91	-0.00

f. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Vegetated Swale	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input checked="" type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ <u>1,396cf(2-yr);</u> <u>6,186cf(100-yr)</u>	_____ _____ <u>0.28</u>
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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g. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Dry Extended Detention Basin area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Channels to ensure they have been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Dry Extended Detention Basin to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Dry Extended Detention Basin the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. At completion of Collection Channel C1 to ensure it has been constructed to the proposed line and grade, the specified lining material has been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
6. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to Collection Channel C1.
7. For final inspection of constructed BMPs.
8. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL GENERAL PERMIT (ESGCP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR TRANSMISSION FACILITIES

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - MLV-515RA30 - Wyoming Valve Yard

b. Summary Table for Supporting Calculation and Measurement Data (See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Susquehanna-Solomon Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>2.57</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.24	+0.24
Volume of stormwater runoff (acre- feet) without planned stormwater BMPs	0.03	0.06	+0.03
Volume of stormwater runoff (acre- feet) with planned stormwater BMPs		0.03	-0.00
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.22	0.02	-0.20
2) 10-Year/24-Hour	0.68	0.03	-0.65
3) 50-year/24-Hour	1.52	0.06	-1.46
4) 100-year/24-Hour	2.06	0.07	-1.99

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Soil Amendment	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>451cf(2-yr);</u> <u>2,511cf(100-yr)</u> _____ _____ _____ _____	_____ <u>0.21</u> _____ _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input checked="" type="checkbox"/> Other <u>Vegetated Swale</u>	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	 <u>1,009cf(2-yr):</u> <u>4,264cf(100-yr)</u>	 <u>0.49</u>
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Vegetated Swale area has been flagged and fence erected to prevent access to the area.
2. At the beginning of construction of the Vegetated Swale to ensure the infiltration area has not been compacted by construction activities.
3. During construction of the Vegetated Swale the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
4. At completion of Collection Channel C1 to ensure it has been constructed to the proposed line and grade, the specified lining material has been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the infiltration berm.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - Carverton Tie-In

<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i> The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Abrahams Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>2.61</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.03	0.11	+0.08
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.02	0.03	+0.01
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.00	-0.02
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.46	0.00	-0.46
2) 10-Year/24-Hour	0.91	0.00	-0.91
3) 50-year/24-Hour	1.61	0.00	-1.61
4) 100-year/24-Hour	2.01	0.00	-2.01

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>1,280cf (2-yr);</u> <u>4,445cf(100-yr)</u>	_____ _____ _____ _____ <u>0.26</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. At the beginning of construction to ascertain the Infiltration Berm area has been flagged and fence erected to prevent access to the area.
2. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the infiltration berm.
3. At the beginning of construction of the Infiltration Berm to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the infiltration berm the licensed professional will observe that the berm is constructed in accordance with the plans and specifications.
5. For final inspection of constructed BMPs.
6. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - Lower Demunds REL Tie-In

<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i></p> <p>The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Toby Creek			
Volume Control design storm frequency 2-year Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.12	+0.12
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.02	0.04	+0.02
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.01	-0.01
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.20	0.00	-0.20
2) 10-Year/24-Hour	0.40	0.00	-0.40
3) 50-year/24-Hour	0.71	0.20	-0.51
4) 100-year/24-Hour	0.89	0.51	-0.38

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>1,481cf(2-yr);</u> <u>4,356cf(100-yr)</u> _____ _____ _____	_____ <u>0.17</u> _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Valve Yard Pad area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Berm/Channel to ensure it has been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Valve Yard Pad to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Valve Yard Pad the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the outlet structure.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline – MLV-515RA40-Hildebrandt Tie-In

b. Summary Table for Supporting Calculation and Measurement Data

(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Toby Creek

Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.0	0.22	+0.22
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.03	0.07	+0.04
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.01	-0.02
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.34	0.20	-0.14
2) 10-Year/24-Hour	0.67	0.38	-0.29
3) 50-year/24-Hour	1.20	0.65	-0.55
4) 100-year/24-Hour	1.52	0.80	-0.72

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Vegetated Swale	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>2,265cf(2-yr);</u> <u>5,881cf(100-yr)</u>	_____ <u>0.21</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____

<input type="checkbox"/> Roadside Vegetated Filter Strips		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Stormwater Energy Dissipaters	Infiltration/Recharge			
<input type="checkbox"/> Level Spreaders		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Riprap Aprons		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Upslope Diversions		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Other _____		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____

d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Valve Yard Pad area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Channel to ensure it has been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Valve Yard Pad to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Valve Yard Pad the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the outlet structure.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Effort Loop Pipeline-MLV-505LD86 Sugar Hollow Valve Yard

<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i> The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Pohopoco Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.26</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.09	0.62	+0.53
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.35	0.44	+0.09
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.28	-0.07
Stormwater discharge rate for the design frequency storm DA-1	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.01	0.01	-0.00
2) 10-Year/24-Hour	0.37	0.31	-0.06
3) 50-year/24-Hour	5.89	4.21	-1.68
4) 100-year/24-Hour	11.47	8.28	-3.19
Stormwater discharge rate for the design frequency storm DA-2	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	4.51	3.97	-0.54
2) 10-Year/24-Hour	12.49	12.28	-0.21
3) 50-year/24-Hour	26.58	24.35	-2.23
4) 100-year/24-Hour	35.41	31.74	-3.67

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input checked="" type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ <u>1,123cf(2-yr);</u> <u>21,318cf(100-yr)</u> _____ <u>5,915cf(2-yr);</u> <u>26,924cf(100-yr)</u>	_____ _____ <u>2.85</u> _____ <u>1.54</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. For the final grading of the access road, ensuring it is constructed according to the plan details for proper conveyance of runoff.
2. Following final grading and seeding of the diversion channels and basin, in order to confirm they have been constructed according to the plan details for proper collection and conveyance of runoff. Periodic assessments will need to be made to ensure accumulated sediment have been cleaned out so the channels and basin maintain the necessary design volumes.
3. During the layout and excavation of the outlet control structure, the professional or delegate will ensure sizing, materials specifications, and construction procedures are followed to enable proper storage in the basin.
4. Following final grading and seeding of the infiltration berm in order to confirm they have been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessment will need to be made to ensure that accumulated sediment have been cleaned out so the area behind the berm maintains the necessary design volume.
5. For final inspection of constructed channels, basin and berms.
6. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESGCP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Compressor Station 200

b. Summary Table for Supporting Calculation and Measurement Data

(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Valley Creek

Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.30</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.25	0.40	+0.15
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.07	0.11	+0.04
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.07	-0.00
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	1.03	0.15	-0.88
2) 10-Year/24-Hour	2.06	1.39	-0.67
3) 50-year/24-Hour	3.19	2.79	-0.40
4) 100-year/24-Hour	3.97	3.50	-0.47

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>3,790cf(2-yr);</u> <u>11,631cf(100-yr)</u>	_____ _____ _____ _____ <u>0.56</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Following final grading and seeding of the infiltration berm in order to confirm it has been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessments will need to be made to ensure that accumulated sediment should be cleaned out so the channels and berm maintain necessary design volume.
2. For final inspection of constructed BMPs.
3. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E & S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESGCP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Compressor Station 515

b. Summary Table for Supporting Calculation and Measurement Data

(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Bear Creek

Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.34	2.44	+2.10
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.50	0.81	+0.31
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.18	-0.32
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	5.46	1.76	-3.70
2) 10-Year/24-Hour	10.19	8.30	-1.89
3) 50-year/24-Hour	16.85	9.55	-7.30
4) 100-year/24-Hour	20.81	9.58	-11.23

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>31,799cf(2-yr):</u> <u>96,268cf(100-yr)</u>	_____ _____ _____ _____ <u>3.83</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

- Following final grading and seeding of the collection channels and infiltration berm in order to confirm they have been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessments will need to be made to ensure that accumulated sediment should be cleaned out so the channels and berm maintain necessary design volume.
- For final inspection of constructed BMPs.
- At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E & S controls.

SECTION I. ANTIDEGRADATION ANALYSIS

This section must be completed where earth disturbance activities will be conducted in the watershed of a surface water with an existing or designated use of exceptional value or high quality pursuant to Chapter 93 (relating to water quality standards), projects where any part is located in an exceptional value wetland in accordance with 25 Pa. Code § 105.17, and projects where any part is located in the watershed of an impaired surface water where the cause of impairment is identified as siltation.

Part 1 - NONDISCHARGE ALTERNATIVES EVALUATION

The applicant must consider and describe any and all non-discharge alternatives for the entire project area which are environmentally sound and will:

- Minimize accelerated erosion and sedimentation during the earth disturbance activity
- Achieve no net change from pre-development to post-development volume, rate and concentration of pollutants in water quality

E & S Plan	PCSM/SR Plan
<p>Check off the environmentally sound nondischarge Best Management Practices (BMPs) listed below to be used prior to, during, and after earth disturbance activities that have been incorporated into your E & S Plan based on the site analysis. For non-discharge BMPs not checked, provide an explanation of why they were not utilized. Also for BMPs checked, provide an explanation of why they were utilized. (Provide the analysis and attach additional sheets if necessary)</p> <p>See Section 2 of this ESCGP-3 Application</p>	<p>Check off the environmentally sound nondischarge Best Management Practices (BMPs) listed below to be used after construction that have been incorporated into the PCSM/SR Plan based on your site analysis. For non-discharge BMPs not checked, provide an explanation of why they were not utilized. Also for BMPs checked, provide an explanation of why they were utilized. (Provide the analysis and attach additional sheets if necessary)</p> <p>See Section 3 of this ESCGP-3 Application</p>
<p>Nondischarge BMPs</p> <div style="margin-left: 20px;"> <input type="checkbox"/> Alternative Siting <div style="margin-left: 20px;"> <input type="checkbox"/> Alternative location <input type="checkbox"/> Alternative configuration <input type="checkbox"/> Alternative location of discharge </div> <input checked="" type="checkbox"/> Limited Disturbed Area <input type="checkbox"/> Limiting Extent & Duration of Disturbance (Phasing, Sequencing) <input type="checkbox"/> Riparian Buffers (150 ft. min.) <input type="checkbox"/> Riparian Forest Buffer (150 ft. min.) <input type="checkbox"/> Other _____ </div>	<p>Nondischarge BMPs</p> <div style="margin-left: 20px;"> <input type="checkbox"/> Alternative Siting <div style="margin-left: 20px;"> <input type="checkbox"/> Alternative location <input type="checkbox"/> Alternative configuration <input type="checkbox"/> Alternative location of discharge </div> <input type="checkbox"/> Low Impact Development (LID / BSD) <input type="checkbox"/> Riparian Buffers (150 ft. min.) <input type="checkbox"/> Riparian Forest Buffer (150 ft. min.) <input checked="" type="checkbox"/> Infiltration <input type="checkbox"/> Water Reuse <input type="checkbox"/> Other _____ </div>
<p>Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality during construction?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, antidegradation analysis is complete. If no, proceed to Part 2.</p>	<p>Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality after construction?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, antidegradation analysis is complete. If no, proceed to Part 2.</p>

PART 2 - ANTIDEGRADATION BEST AVAILABLE COMBINATION OF TECHNOLOGIES (ABACT)

If the net change in stormwater discharge from or after construction is not fully managed by nondischarge BMPs, the applicant must utilize ABACT BMPs to manage the difference. The Applicant must specify whether the discharge will occur during construction, post-construction or both, and identify the technologies that will be used to ensure that the discharge will be a non-degrading discharge. ABACT BMPs include but are not limited to:

E & S Plan	PCSM/SR Plan
<p><input checked="" type="checkbox"/> Treatment BMPs:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Sediment basin with skimmer <input type="checkbox"/> Sediment basin ratio of 4:1 or greater (flow length to basin width) <input type="checkbox"/> Sediment basin with 4-7 day detention <input type="checkbox"/> Flocculants <input checked="" type="checkbox"/> Compost Filter Socks <input checked="" type="checkbox"/> Compost Filter Sock Sediment Basin <input checked="" type="checkbox"/> RCE w/ Wash Rack <p><input checked="" type="checkbox"/> Land disposal:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Vegetated filters <input type="checkbox"/> Riparian buffers <150ft. <input type="checkbox"/> Riparian Forest Buffer <150ft. <input checked="" type="checkbox"/> Immediate stabilization <p><input checked="" type="checkbox"/> Pollution prevention:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> PPC Plans <input checked="" type="checkbox"/> Street sweeping <input checked="" type="checkbox"/> Channels, collectors and diversions lined with permanent vegetation, rock, geotextile or other non-erosive materials <p><input type="checkbox"/> Stormwater reuse technologies:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Sediment basin water for dust control <input type="checkbox"/> Sediment basin water for irrigation <p><input type="checkbox"/> Other _____</p>	<p><input checked="" type="checkbox"/> Treatment BMPs:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Infiltration Practices <input type="checkbox"/> Wet ponds <input type="checkbox"/> Created wetland treatment systems <input checked="" type="checkbox"/> Vegetated swales <input type="checkbox"/> Manufactured devices <input checked="" type="checkbox"/> Bio-retention/infiltration <input type="checkbox"/> Green Roofs <p><input type="checkbox"/> Land disposal:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Vegetated filters <input type="checkbox"/> Riparian Buffers <150ft. <input type="checkbox"/> Riparian Forest Buffer <150ft. <input type="checkbox"/> Disconnection of roof drainage <input type="checkbox"/> Bio-retention/bio-infiltration <p><input checked="" type="checkbox"/> Pollution prevention:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Street sweeping <input type="checkbox"/> Nutrient, pesticide, herbicide or other chemical application plan alternatives <input checked="" type="checkbox"/> PPC Plans <input checked="" type="checkbox"/> Non-structural Practices <input checked="" type="checkbox"/> Restoration BMPs <p><input type="checkbox"/> Stormwater reuse technologies:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Divert rainwater into impoundment <input type="checkbox"/> Underground storage <p><input type="checkbox"/> Spray/Drip Irrigation</p> <p><input type="checkbox"/> Other _____</p>
<p>Are the ABACT BMPs selected sufficient to minimize E&S discharges to the extent that existing or designated surface water uses are protected?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.</p>	<p>Are the ABACT BMPs selected sufficient to achieve no net change and assure that existing or designated surface water uses are protected?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.</p>

SECTION J. COMPLIANCE HISTORY REVIEW

Is/was the applicant(s) in violation of any Department regulation, order, schedule of compliance or permit or in violation of any department regulated activities within the past five years?

☒ Yes ☐ No

If yes, provide the permit number or facility name, a brief description of the violation, the compliance schedule (including dates and steps to achieve compliance) and the current compliance status. (Attach additional information on a separate sheet, when necessary)

Permit Program or Activity: Chapter 102, Chapter 105, PAG-10

Permit Number (if applicable):

1. ESG03000150001, ESG00350150001, ESG00081150001
2. E41-649
3. E-19-311, E36-947, E-38-195, E40-769, E49-336, E54-360, E58-315, E66-160, E41-667, E18-495,
4. PAG109632

Brief Description of non-compliance:

Consent Assessment of Civil Penalty, Reports past due.

Steps taken to achieve compliance

1. Consent Assessment of Civil Penalty
2. Consent Assessment of Civil Penalty. Permits being obtained to complete channel restoration
3. Consent Assessment of Civil Penalty
4. All past due reports were provided to PADEP

Date(s) compliance achieved

1. 9/20/2020
2. 8/9/2020
3. 9/20/2020
4. 12/14/2017



Current Compliance Status: ☒ In-Compliance

☐ In Non-Compliance

If in non-compliance, attach schedule for achieving compliance.

SECTION K. CERTIFICATION BY PERSON PREPARING E&S AND PCSM/SR PLANS

I do hereby certify to the best of my knowledge, information, and belief, that the Erosion and Sediment Control and PCSM/Site Restoration Plans are true and correct, represent actual field conditions, and are in accordance with the 25 Pa. Code Chapters 78/78a and 102 of the Department's rules and regulations. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Print Name Kevin C. Clark	Signature 	Professional Seal 	
Company BAI Group, LLC			
Address 2525 Green Tech Drive, Suite D, State College, PA-16803			
Phone (814) 238-2060			
Most Recent DEP Training Attended	Location		Date
e-Mail Address kclark@baigroupllc.com			

EXPEDITED REVIEW PROCESS

In addition to the certification required above, applicants using the expedited permit review process must attach an E&S and PCSM/Site Restoration Plans developed and sealed by a licensed professional engineer, surveyor or professional geologist. The plans shall contain the following certification:

I do hereby certify to the best of my knowledge, information, and belief, that the E & S Control and PCSM/SR BMPs are true and correct, represent actual field conditions and are in accordance with the 25 Pa. Code Chapters 78 / 78a and 102 of the Department's rules and regulations. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SECTION L. APPLICANT CERTIFICATION

Applicant Certification

I certify under penalty of law, as provided by 18 Pa. C.S.A. § 4904, that this application and all related attachments were prepared by me or under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my own knowledge and on inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. The responsible official's signature also verifies that the activity is eligible to participate in the ESCGP, and that the applicant agrees to abide by the terms and conditions of the permit. BMP's, E&S Plan, PPC Plan, PCSM Plan, and other controls are being or will be, implemented to ensure that water quality standards and effluent limits are attained.

I grant permission to the agencies responsible for the permitting of this work, or their duly authorized representative to enter the project site for inspection purposes. I will abide by the conditions of the permit if issued and will not begin work prior to permit issuance.

(For individuals no indication of title is necessary, choose the box below. All others proceed to the next paragraph)

☐ **Individual; proceed to signature portion.**

I hereby certify under penalty of law, as provided by 18 Pa. C.S.A. § 4904, that I am the person who is responsible for decision-making regarding environmental compliance functions for Transcontinental Gas Pipeline Company, LLC, the manager of one or more manufacturing, production, or operating facilities of the applicant and am authorized to make management decisions which govern the operation of regulated facility including having explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure the applicant's long term environmental compliance with environmental laws and regulations; and I am responsible for ensuring that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements.

(choose one of the following; not applicable for individuals):

☐ The responsible corporate officer ☐ president ☐ vice president ☐ secretary
☐ treasure of _____ Corporation/Company
Entity name

☒ The ☐ member or ☒ manager of Transcontinental Gas Pipe Line Company, LLC
Entity name

☐ The general partner of _____ partnership/LP/LLP
Entity name

☐ The principal executive officer or ranking elected official of _____ Municipality/State/Federal/other public
agency
Entity name

☐ Power of Attorney/delegation of contractual authority (documentation supporting delegation of contracting
authority must be provided) for _____
Entity name

Print Name and Title of Applicant

Print Name and Title of Co-Applicant (if applicable)

Signature of Applicant

Signature of Co-Applicant

Date Application Signed

Date Application Signed

Notarization

Sworn to and subscribed to before me this

Commonwealth of Pennsylvania

_____ day of _____, 20_____

County of _____

Notary Public

My Commission expires _____

AFFIX SEAL

SECTION M. ADDITIONAL CONTACT INFORMATION				
Contact's Last Name	First Name	MI	Phone (814) 689-1650	
Nelson	Ryan	J	FAX	
Mailing Address	City	State	ZIP + 4	
2525 Green Tech Drive, Suite B	State College	PA	16803	
e-Mail Address ryann@whmgroup.com				

Section 1-1.1 NOI Supporting Information

Project Component	Site	Site Location City	ZIP Code	County	Municipality	Total Project Area/Project Site (Acre)	Total Disturbed Area (Acre)	Latitude / Longitude	U.S.G.S. 7.5 min. Topographic Quadrangle	Receiving Waters	Chapter 93, Designated Use Stream Classification	Chapter 93, Existing Use Stream Classification	Siltation Impaired
Regional Energy Lateral	Pipeline			Luzerne	Buck, Bear Creek, Plains, Jenkins, Kingston, Dallas, Wyoming, West Wyoming, Laflin	952.63	420.67 (includes CS 515 and sites below)	41.173337, -75.671706 (eastern terminus) 41.346917, -75.946263 (western terminus)	Kingston, Pittston, Avoca, Wilkes-Barre East, Pleasant View Summit	Stony Run, Shades Creek, Little Shades Creek, Snider Run, Meadow Run, Bear Creek, Little Bear Creek, Mill Creek, Gardner Creek, Susquehanna River, Abrahams Creek, Toby Creek, Trout Brook	MF, HQ-CWF, WWF, CWF	-	No
	CY-LU-001	Wyoming	18644	Luzerne	Wyoming		16.3 (Included within above total)	41.31016, -75.84636		Abrahams Creek	CWF, MF	-	No
	CY-LU-002	Wilkes-Barre	18702	Luzerne	Laflin		11.4 (Included within above total)	41.28491, -75.79026		Gardner Creek	CWF, MF	-	No
	MLV-515RA20	Wilkes-Barre	18702	Luzerne	Bear Creek Township		0.46 (Included within above total)	41.25279, -75.75856		Mill Creek	CWF, MF	-	No
	MLV-515RA30	Wyoming	18644	Luzerne	Wyoming Borough		0.44 (Included within above total)	41.30411, -75.84662		Susquehanna River	WWF		No
	Carverton Tie-in	Wyoming	18644	Luzerne	West Wyoming Borough		3.9 (Included within above total)	41.32053, -75.87270		Abrahams Creek	CWF, MF		No
	Lower Demunds REL Tie-in	Dallas	18612	Luzerne	Dallas Township		1.7 (Included within above total)	41.34652, -75.94551		Trout Brook	CWF, MF		No
	Hildebrandt Tie-in/MLV-515RA40	Dallas	18612	Luzerne	Dallas Township		3.1 (Included within above total)	41.34692, -75.94629		Toby Creek, Trout Brook	CWF, MF		No
	Laflin Borough Stream Stabilization	Wilkes-Barre	18702	Luzerne	Laflin Borough		0.94 (Included within above total)	41.28925, -75.80209		Gardner Creek	CWF, MF	-	No
Effort Loop	Pipeline			Monroe	Ross, Chestnuthill, Tunkhannock	360.63	262.18	40.896796, -75.370606 (Southeast Terminus) 41.053413, -75.526178 (Northwest Terminus)	Blakeslee, Pocono Pines, Brodheads ville, Saylorsburg	Lake Creek, Princess Run, Weir Creek, McMichael Creek, Pohopoco Creek, Sugar Hollow Creek, Poplar Creek, Mud Run, Mud Pond Run, Tunkhannock Creek	EV, MF, HQ-CWF, CWF	EV, MF	No

Regional Energy Access Expansion Project
ESCGP-3 Permit Application
Transcontinental Gas Pipe Line Company, LLC
Section 1-1.1 NOI Supporting Information

Project Component	Site	Site Location City	ZIP Code	County	Municipality	Total Project Area/Project Site (Acre)	Total Disturbed Area (Acre)	Latitude / Longitude	U.S.G.S. 7.5 min. Topographic Quadrangle	Receiving Waters	Chapter 93, Designated Use Stream Classification	Chapter 93, Existing Use Stream Classification	Siltation Impaired
	MLV-505LD86 Sugar Hollow Valve Yard	Effort	18330	Monroe	Chestnut Hill Township		8.8 (Included within above total)	40.96775, -75.42980		Sugar Hollow Creek	CWF, MF	-	No
	CY-MO-001	Saylorsburg	18353	Monroe	Ross Township		50.1 (Included within above total)	40.89803, -75.36784		Lake Creek, Princess Run	HQ-CWF, MF, CWF	-	No
Delaware River Regulator		Easton	18040	Northampton	Lower Mt. Bethel	11.28	3.25	40.76220 -75.19653	Bangor, PA	Mud Run	CWF, MF	-	No
Mainline “A” Regulator		Washington Crossing	18977	Bucks	Lower Makefield	0.94	0.530	40.26807, -74.85712	Pennington, NJ-PA	Dyers Creek, Delaware River	MF, WWF	-	No
Compressor Station 200		Frazer	19335	Chester	East Whiteland	20.28	3.16	40.04998, -75.58589	Malvern, PA	Valley Creek	EV, MF, CWF	-	Yes
Compressor Station 515		White Haven	18661	Luzerne	Buck	952.63 (Included with Regional Energy Lateral)	24.83 (included with Regional Energy Lateral)	41.17380, -75.67118	Pleasant View Summit, PA	Shades Creek, Stony Run	HQ-CWF, MF	-	No

SECTION 1.6.3
CHESTER COUNTY
(COMPRESSOR STATION 200)



COUNTY NOTIFICATION OF PLANNED LAND DEVELOPMENT FOR CHAPTER 102 PERMITS

PROJECT INFORMATION (COMPLETED BY APPLICANT)

Applicant Name: **Transcontinental Gas Pipe Line Company, a subsidiary of Williams Partners, L.P.**

Contact Name: **Joseph Dean**
Manager-Permitting

Applicant Address: **2800 Post Oak Blvd, Level 11**

Contact Phone: **(713) 215-3427**

Applicant City, State, ZIP: **Houston, TX 77056**

County: **Chester**

Description of Proposed Land Development and Stormwater Controls:

Municipality: **East Whiteland**

The existing Compressor Station 200 component of the Regional Energy Access Expansion Project is proposed to connect the existing Transco Mainline A into suction to support south flow. E&S and PCSM BMP's are proposed.

Project Area: **20.28** acres ☐ Phased

Disturbance: **3.16** acres

Surface Waters Receiving Stormwater Discharges:

Valley Creek

Discharge to: ☐ MS4 ☐ Other SS ☐ CSS

Tax Parcel ID(s) Affected by Proposed Land Development:

4203 0065000 & 4203 0066000

The following information was submitted to the county for this project:

☐ Land Development / Subdivision Plan ☒ E&S Plan ☒ PCSM Plan ☐ Other:

***On March 31, 2021 Transco submitted to you its E&S and PCSM Plans (Plans) as part of the ESCGP-3 permit application notification. The purpose of this notice is to let you know that Transco will be submitting an Erosion and Sediment Control Permit for Discharges of Stormwater Associated with Construction Activities Application to the PA Dept. of Environmental Protection to replace the ESCGP-3 application. Please refer to the previously submitted Plans.**

COUNTY PLAN INFORMATION (COMPLETED BY COUNTY)

Name of county organization completing this assessment:

1. Is there an adopted county or multi-county comprehensive plan? ☐ Yes ☐ No
2. If Yes to #1, is the proposed project consistent with the county plan? ☐ Yes ☐ No
3. Is there a DEP-approved Act 167 stormwater management plan? ☐ Yes ☐ No ☐ CCD
4. If Yes to #3, is the proposed project consistent with the Act 167 plan, without waiver? ☐ Yes ☐ No ☐ CCD
5. If Yes to #3, list the date of the latest plan / update approved by DEP: ☐ CCD

APPLICANT CERTIFICATION	COUNTY ACKNOWLEDGEMENT
<p>I certify under penalty of law (see 18 Pa.C.S. § 4904 (relating to unsworn falsification)) that the information reported herein was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the information, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.</p>	<p>The county acknowledges that a permit application for the above-referenced project has been submitted to a reviewing agency and that notification requirements of Act 14 of 1984 and Acts 67, 68, and 127 of 2000 have been satisfied. The information reported herein by the county is true and accurate. County acknowledgment of receipt of notification shall not be construed as project approval.</p>

Joseph Dean

Applicant Name



Applicant Signature

Manager - Permitting

Applicant Title

07/01/2021

Date of Signature

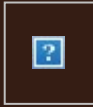
County Representative Name

County Representative Signature

County Representative Title

Date of Signature

From: [UPS](#)
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Subject: UPS Delivery Notification, Tracking Number 1Z8797VV0397795767
Date: Wednesday, July 7, 2021 9:52:41 AM



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WHM CONSULTING, INC

Tracking Number:	1Z8797VV0397795767
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Reference Number:	WILLIAMS-20-244, TASK 2C



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March 31, 2021

UPS TRACKING (1Z8797VV0390653557)

Chester County Commissioners
313 West Market Street, Suite 6202
West Chester, PA 19382

Re: Regional Energy Access Expansion Project – Compressor Station 200
Pennsylvania Acts 14, 67, 68, and 127 Notification
East Whiteland Township, Chester County, Pennsylvania

Dear County Commissioners:

This municipal notice, under the requirements of Act 14, 97 P.S. § 510-5, is to inform you that Transcontinental Gas Pipe Line Company, LLC (Transco), a subsidiary of The Williams Companies, Inc. (Williams) is applying for coverage under the Erosion and Sediment Control General Permit (ESCGP-3) for Earth Disturbance Associated with Oil & Gas Exploration, Production, Processing or Treatment Operations or Transmission Facilities from the Pennsylvania Department of Environmental Protection (DEP).

1) Project Name: Regional Energy Access Expansion Project – Compressor Station 200

2) Project Description: Transco, indirectly owned by The Williams Companies, Inc. (Williams), is seeking authorization from the Federal Energy Regulatory Commission (FERC or Commission) under Section 7(c) of the Natural Gas Act and Part 157 of the Commission's regulations, to construct, own, operate, and maintain the proposed Project facilities. The Project is an expansion of Transco's existing natural gas transmission system that will enable Transco to provide an incremental 829,400 dekatherms per day (Dth/d) of year-round firm transportation capacity from the Marcellus Shale production area in northeastern Pennsylvania (PA) to multiple delivery points along Transco's Leidy Line in PA, Transco's mainline at the Station 210 Zone 6 Pooling Point in Mercer County, New Jersey (NJ) and multiple delivery points in Transco's Zone 6 in NJ, PA, and Maryland (MD).

The existing Compressor Station 200 component of the Project is located in East Whiteland Township, Chester County. Proposed are compressor station modifications to connect the existing Transco Mainline A into suction to support south flow.

3) Applicant Name: Transcontinental Gas Pipe Line Company, LLC's (Transco), a subsidiary of Williams Partners L.P. (Williams)

4) Applicant Contact: Joseph Dean
Environmental Manager
2800 Post Oak Blvd, Level 11
Houston, TX 77056
(713) 215-3417

5) Site Location: The proposed Project is located on the Malvern, Pennsylvania, 7.5 Minute USGS quadrangle at: 40° 2'59.88"N, 75°35'10.73"W.

6) Municipality / County: East Whiteland Township, Chester County

Act 14, which amended the Commonwealth's Administrative Code (71 P.S. § 510-5), requires every applicant for a new, amended, or revised permit to give written notice to each municipality (borough, township) and

county government in which the facility is located. The municipality and county government must receive the written notice at least thirty (30) - days before DEP may issue or deny approval of coverage.

Enclosed is a complete copy of the Notice of Intent (NOI) completed for the project as well as copies of the erosion and sediment control plan and post construction stormwater management plans.

Sincerely,

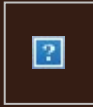
A handwritten signature in black ink, appearing to read "Ryan J. Nelson", with a stylized flourish at the end.

Ryan J. Nelson, PWS
WHM Consulting, LLC

Enclosures:

NOI Form
Erosion and Sediment Control Plan Drawings
Post Construction Stormwater Management Plan Drawings

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To: SFOX@WHMGROUP.COM
Subject: UPS Delivery Notification, Tracking Number 1Z8797VV0390653557
Date: Thursday, April 1, 2021 10:11:36 AM



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Signed by: JOHN

WHM CONSULTING, INC

Tracking Number:	1Z8797VV0390653557
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UPS Service:	UPS Ground
Package Weight:	1.0 LBS
Reference Number:	WILLIAMS 20-271, TASK 2C



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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF WATER PROGRAMS
OFFICE OF OIL AND GAS MANAGEMENT

OFFICIAL USE ONLY

ID # T
 Date Received _____
 AUTH _____
 SITE _____
 CLNT _____
 APS _____
 Fee _____
 Check No. _____
 Check Date _____

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT
CONTROL GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH
OIL AND GAS EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT
OPERATIONS OR TRANSMISSION FACILITIES**

READ THE INSTRUCTIONS PROVIDED IN THIS PERMIT APPLICATION PACKAGE BEFORE COMPLETING THIS FORM. PLEASE PRINT OR TYPE INFORMATION IN BLACK OR BLUE INK.

SECTION A. APPLICATION TYPE

Check one:

NEW ☒ **RENEWAL** ☐ **MAJOR MODIFICATIONS (Provide ESCGP number)** ☐

PHASED ☐ (check only if applicable; *note: Most projects are not submitted as phased projects*)

Check one: **EXPEDITED** ☐ **STANDARD** ☒

If an Expedited Review Process being requested, be advised that the Expedited Review is not available for all projects. Refer to Section D - Expedited Review Process of the ESCGP-3 NOI Instructions to determine if the project is eligible.

SECTION B. CLIENT INFORMATION

Applicant's Last Name (If applicable)	First Name	MI	Telephone No.
Organization Name or Registered Fictitious Name Transcontinental Gas Pipe Line Company, LLC (Contact: Joseph Dean)			Telephone No. (713) 215-3427
DEP Client ID No.			
Headquarters Mailing Address 2800 Post Oak Blvd, Level 11	City Houston	State TX	ZIP Code 77056
Email Address Joseph.Dean@williams.com			
Co-Applicant's Last Name (If applicable)	First Name	MI	Telephone No.
Organization Name or Registered Fictitious Name 			Telephone No.

Address	City	State	ZIP Code
Email Address			

SECTION C. SITE INFORMATION					
Is there an existing ESCGP associated with this site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, Permit No. _____					
Has a well permit application been submitted for this site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, Permit No. _____					
Does this site have a 911 address? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, <u>provide site location address.</u>					
Site Name Regional Energy Access Expansion Project					
Site Location See Attachment 1-1.1- NOI Supporting Information			Site No. (if another permit has been issued for the site)		
Site Location – City See Attachment 1-1.1- NOI Supporting Information			State PA	ZIP Code	
Detailed Written Directions to Site See Attachment 1-1.1- NOI Supporting Information for locations of all project sites					
Primary Location	County Luzerne, Northampton, Bucks, Chester, and Monroe	Municipality Buck, Bear Creek, Plains, Jenkins, Kingston, Lower Mt. Bethel, Ross, Chestnut Hill, Tunkhannock, Lower Makefield, East Whiteland and Dallas Townships Wyoming, West Wyoming, and Laflin Boroughs	City <input type="checkbox"/>	Boro <input checked="" type="checkbox"/>	Twp. <input checked="" type="checkbox"/>
SECTION D. EXPEDITED REVIEW					
I. Expedited Review Eligibility					
1. Is any part of the project in the watershed of a surface water with an existing or designated use of exceptional value or high quality pursuant to Chapter 93 (relating to water quality standards), in an exceptional value wetland in accordance with 25 Pa. Code § 105.17, or in the watershed of an impaired surface water where the cause of the impairment is identified as siltation?			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
2. Will the project in which the well pad will be constructed be in or on a floodplain?			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
3. Is any earth disturbance located or proposed to be located on land known to be contaminated by the release of regulated substances as defined in Section 103 of Act 2, 35 P.S. § 6026.103?			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
4. Will naturally occurring geologic formations or soil conditions provide hazards to the project or surrounding environment or have the potential to cause or contribute to pollution when disturbed?			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
5. Do any unresolved non-compliance issues exist with the applicant or the facility?			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
6. Is the project a transmission project?			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

<p>If yes to any of the above questions the project is not eligible for Expedited Review; If the project is eligible for Expedited Review, all the following items must be completed.</p>	
<p>II. Expedited Review Process</p>	
1. Is the technically and administratively complete and accurate NOI package prepared and certified by a licensed professional?	<input type="checkbox"/> Yes <input type="checkbox"/> No
2. Are E&S and PCSM/Site Restoration Plan drawings and narrative prepared and sealed by a licensed professional? <i>(Include interim restoration details when needed)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No
3. Include a Resource Delineation Report and answer the following questions: (If the answer to question a. is "Yes" then skip to #4. If the answer to a. is "No" the applicant must answer "Yes" to at least one of the questions, b. through d. to be eligible for expedited review.)	
a. Were all wetland resources delineated during the growing season?	<input type="checkbox"/> Yes <input type="checkbox"/> No
b. If not during the growing season, was a follow-up visit conducted during the growing season to verify/adjust boundaries and look for potentially missed resources?	<input type="checkbox"/> Yes <input type="checkbox"/> No
c. Was a quality assurance field review conducted at a later date by an independent qualified wetland professional to verify boundaries and look for potentially missed resources? (If yes, attach Quality Assurance Field Review Report)	<input type="checkbox"/> Yes <input type="checkbox"/> No
d. Was a Jurisdictional Determination (JD) or Preliminary JD conducted by the US Army Corps of Engineers on the whole project? (If yes, attach Preliminary or Jurisdictional Determination Report)	<input type="checkbox"/> Yes <input type="checkbox"/> No
4. If applicable, have you included PNDI clearance letters or other documentation from applicable resource agencies?	<input type="checkbox"/> Yes <input type="checkbox"/> No
5. If the project site contains, is along, or within 100 feet of a river, stream, creek, lake, pond or reservoir, will you establish new or preserve existing riparian forest buffer at least 100 feet in width between the top of streambank or normal pool elevation of a lake, pond or reservoir and areas of earth disturbances. If no, will a waiver be obtained? <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
6. Name of Licensed Professional	
Company	
Address	
Phone	

SECTION E. PROJECT INFORMATION																	
1. Total Project Area/Project Site (Ac):	1,346 (Also see Attachment 1-1.1)	Total Disturbed Area (Ac):	689.8 (Also see Attachment 1-1.1)														
Increased disturbed acreage <i>(for permit modification only)</i>																	
Fee: <i>(For additional information regarding fees, refer to NOI Instructions #3 Permit NOI Filing Fees.)</i>			\$ \$500 (Filing Fee), \$69,000 (Disturbed Acre Fee)														
2. Project Name: Regional Energy Access Expansion Project																	
3. Project Type (Check all that apply) <table border="0" style="width: 100%;"> <tr> <td><input type="checkbox"/> Oil/Gas Well ¹</td> <td><input checked="" type="checkbox"/> Transmission Facility</td> </tr> <tr> <td><input type="checkbox"/> Gathering Facility</td> <td><input type="checkbox"/> Processing Facility</td> </tr> <tr> <td><input type="checkbox"/> Treatment Facility</td> <td><input type="checkbox"/> Well Development Impoundment</td> </tr> <tr> <td><input checked="" type="checkbox"/> Compressor Station</td> <td><input type="checkbox"/> Non-FERC regulated Transmission Facility</td> </tr> <tr> <td><input checked="" type="checkbox"/> Pipeline</td> <td><input type="checkbox"/> Ground/Surface Water Withdrawal Site</td> </tr> <tr> <td><input type="checkbox"/> Storage Field Facility</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Other</td> <td></td> </tr> </table>				<input type="checkbox"/> Oil/Gas Well ¹	<input checked="" type="checkbox"/> Transmission Facility	<input type="checkbox"/> Gathering Facility	<input type="checkbox"/> Processing Facility	<input type="checkbox"/> Treatment Facility	<input type="checkbox"/> Well Development Impoundment	<input checked="" type="checkbox"/> Compressor Station	<input type="checkbox"/> Non-FERC regulated Transmission Facility	<input checked="" type="checkbox"/> Pipeline	<input type="checkbox"/> Ground/Surface Water Withdrawal Site	<input type="checkbox"/> Storage Field Facility		<input type="checkbox"/> Other	
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<input checked="" type="checkbox"/> Pipeline	<input type="checkbox"/> Ground/Surface Water Withdrawal Site																
<input type="checkbox"/> Storage Field Facility																	
<input type="checkbox"/> Other																	
¹ If Oil/Gas Well; is the well conventional or unconventional? <input type="checkbox"/> Conventional <input type="checkbox"/> Unconventional																	

Project Description

Transco, indirectly owned by The Williams Companies, Inc. (Williams), is seeking authorization from the Federal Energy Regulatory Commission (FERC or Commission) under Section 7(c) of the Natural Gas Act and Part 157 of the Commission's regulations, to construct, own, operate, and maintain the proposed Project facilities

The Project is an expansion of Transco's existing natural gas transmission system that will enable Transco to provide an incremental 829,400 dekatherms per day (Dth/d) of year-round firm transportation capacity from the Marcellus Shale production area in northeastern Pennsylvania (PA) to multiple delivery points along Transco's Leidy Line in PA, Transco's mainline at the Station 210 Zone 6 Pooling Point in Mercer County, New Jersey (NJ) and multiple delivery points in Transco's Zone 6 in NJ, PA, and Maryland (MD). The Project will consist of the following components:

- Approximately 22.3 miles of 30-inch-diameter pipeline partially collocated with Transco's Leidy Line A from milepost (MP) 0.00 to MP 22.32 in Luzerne County, PA (Regional Energy Lateral);
 - Approximately 13.8 miles of 42-inch-diameter pipeline collocated with Transco's Leidy Line System from MP 43.72 to MP 57.50 in Monroe County, PA (Effort Loop);
 - New gas-fired turbine driven compressor station identified as Compressor Station 201 with 11,107 nominal horsepower (HP) at International Organization of Standardization (ISO) conditions in Gloucester County, NJ;
 - Addition of two gas-fired turbine driven compressor units with 31,800 nominal HP at ISO conditions at existing Compressor Station 505 in Somerset County, NJ, to accommodate the abandonment and replacement of approximately 16,000 HP from eight existing internal combustion engine-driven compressor units and increase the certificated station compression by 15,800 HP;
 - Addition of two gas-fired turbine driven compressor units with 63,742 nominal HP at ISO conditions and modification of three existing compressors at existing Compressor Station 515 in Luzerne County, PA to support the Project and to accommodate the abandonment and replacement of approximately 17,000 HP from five existing gas-fired reciprocating engine driven compressors and increase the certificated station compression by 46,742 HP;
 - Uprate and rewheel two existing electric motor-driven compressor units at existing Compressor Station 195 in York County, PA to increase the certificated station compression by 5,000 HP and accommodate the abandonment of two existing gas-fired reciprocating engine driven compressors which total approximately 8,000 HP of compression;
 - Modifications at existing Compressor Station 200 in Chester County, PA;
 - Uprate one existing electric motor-driven compressor unit at Compressor Station 207 in Middlesex County, NJ to increase the certificated station compression by 4,100 HP;
 - Modifications to three (3) existing pipeline tie-ins in PA (Hildebrandt Tie-in, Lower Demunds REL Tie-in, and Carverton Tie-in);
 - Addition of regulation controls at an existing valve setting on Transco's Mainline "A" in Bucks County, PA (Mainline A Regulator);
 - Modifications at the existing Delaware River Regulator in Northampton County, PA;
 - Modifications at the existing Centerville Regulator in Somerset County, NJ;
 - Modifications to the existing valves and piping at the Princeton Junction (Station 210 Pooling Point) in Mercer County, NJ;
 - Modifications to three (3) existing delivery meter stations in NJ (Camden M&R Station, Lawnside M&R Station, and Mt. Laurel M&R Station);
 - Modifications to one (1) existing delivery meter station in MD (Beaver Dam M&R Station);
 - Contractual changes (no modifications) at ten (10) existing delivery meter stations in PA and NJ (Algonquin-Centerville Meter Station, Post Road Meter Station, New Village Meter Station, Spruce Run Meter Station, Marcus Hook Meter Station, Ivyland Meter Station, Repaupo Meter Station, Morgan Meter Station, Lower Mud Run Meter Station, and Chesterfield Meter Station);
 - Additional ancillary facilities, such as mainline valves (MLVs), cathodic protection, communication facilities, and internal inspection device (e.g., pig) launchers and receivers in PA; and
 - Existing, improved, and new access roads and contractor yards/staging areas in PA, NJ, and MD.
- Provide the date of pre-application meeting (if conducted with the Department) 04/27/20, 07/09/20, 09/04/20, 09/30/20, 12/15/20, 12/16/20, 01/06/21, 02/05/21

4. Provide the latitude and longitude coordinates for the center of the project. The coordinates should be in Decimal degrees and North American Datum 1983. The coordinates must meet the current DEP policy regarding locational accuracy. For linear projects provide the project's termini. See Attachment 1-1.1

Latitude (DD) . Latitude (DD) . Horizontal Collection Method: <input type="checkbox"/> GPS <input checked="" type="checkbox"/> Interpolated from U.S.G.S. Topographic Map <input type="checkbox"/> DEP's eMAP	Longitude (DD) - . Longitude (DD) - .				
5. U.S.G.S. 7.5 min. topographic quadrangle Name (See Attachment 1-1.1) <i>(Include a copy of the project area on the 7.5 min quad map)</i>					
6. Will the project be conducted as a phased permit project? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Include Master Site Plan Estimated Timetable for Phased Projects. <input type="checkbox"/> Additional sheet(s) attached.					
Phase No. or Name	Description	Total Area	Disturbed Area	Start Date	End Date
7. List existing and previous land use for a minimum of the previous 5 years. (See Section 2 of this ESCGP-3 Application)					
8. Other Pollutants: Will the stormwater discharge contain pollutational substances other than sediment? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
9. Will fuels, chemicals, solvents, other hazardous waste or materials be used or stored on site during earth disturbance activities or will Horizontal Directional Drilling (HDD) activities be conducted? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If yes, Preparedness, Prevention and Contingency (PPC) Plan must be maintained on site during earth disturbance. See NOI Instructions, E.9 PPC Plan Guidance for further information.)</i>					
10. Is the project in the watershed of an impaired surface water where the cause of the impairment is identified as siltation? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (See Section 2-5 of this ESCGP-3 Application) <i>(If yes, show how the project will not result in a net change in volume, rate or water quality. See section I below, and E.10 of NOI instructions.)</i>					
11. Are there potentially hazardous naturally occurring geological or soil conditions in any portion of the project or surrounding area? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, do the potentially hazardous geologic or soil conditions have the potential to cause or contribute to pollution as a result of the proposed earth disturbance activities? If no, provide an explanation. If yes, Geologic Hazard Mitigation Plan must be attached and explain where in this application details are provided.					
12. Has the Act 14 Municipal Notification and proof of receipt of notification been attached to the NOI? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If not, the NOI is not complete, see E.12 and #4 Municipal Notification in the NOI Instructions for additional guidance.)</i>					
13. Has the PNDI receipt been attached to the NOI? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If not, the NOI is not complete, see E.13 and #5 PNHP in the NOI Instructions for additional guidance.)</i>					
14. Have the E&S Plan and PCSM/SR Plan been planned and designed to be consistent? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
15. Have existing and/or proposed Riparian Forest Buffers been identified? Yes <input checked="" type="checkbox"/> N/A <input type="checkbox"/> <i>(If yes, they must be shown on the E&S Plan as well as the PCSM/SR Plans.)</i>					
16. Have antidegradation implementation requirements for special protection waters been addressed? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> <i>(If yes, antidegradation requirements must be included in the plan.)</i>					

17. Has the seasonal high groundwater level been identified and 20-inch separation established at all excavation locations for pits for conventional operations and Well Development Impoundments for unconventional operations?

Yes ☐ No ☐ N/A ☒

18. Receiving Waters	Chapter 93, Designated Use Stream Classification	Chapter 93, Existing Use Stream Classification
<u>Effort Loop-</u> <u>Lake Creek (HQ-CWF,MF)</u> <u>Princess Run (CWF,MF)</u> <u>Weir Creek (CWF,MF)</u> <u>McMichael Creek (EV, MF) and (HQ-CWF)</u> <u>Pohopoco Creek (CWF,MF)</u> <u>Sugar Hollow Creek (CWF,MF)</u> <u>Poplar Creek (EV,CWF,MF)</u> <u>Mud Run (HQ-CWF, MF)</u> <u>Mud Pond Run (HQ-CWF,EV,MF)</u> <u>Tunkhannock Creek (HQ-CWF,MF)</u> <u>Regional Energy Lateral-Stony Run (HQ-CWF,MF)</u> <u>Shades Creek (HQ-CWF,MF)</u> <u>Little Shades Creek (HQ-CWF,MF)</u> <u>Snider Run (HQ-CWF,MF)</u> <u>Meadow Run (HQ-CWF,MF)</u> <u>Bear Creek (HQ-CWF,MF)</u> <u>Little Bear Creek (HQ-CWF,MF)</u> <u>Mill Creek (CWF,MF)</u> <u>Gardner Creek (CWF,MF)</u> <u>Susquehanna River (WWF,MF)</u> <u>Abrahams Creek (CWF,MF)</u> <u>Toby Creek (CWF,MF)</u> <u>Trout Brook (CWF,MF)</u> <u>Compressor Station 515-Shades Creek (HQ-CWF,MF)</u> <u>Stony Run (HQ-CWF,MF)</u> <u>Compressor Station 200-Valley Creek (EV,MF)</u> <u>Delaware River Regulator-Mud Run (CWF, MF)</u> <u>Mainline "A" Regulator - Dyers Creek (WWF,MF)</u> <u>See Attachment 1-1.1 for detailed list.</u>	<input checked="" type="checkbox"/> HQ <input checked="" type="checkbox"/> EV <input checked="" type="checkbox"/> Other <u>CWF, MF, WWF</u> <input checked="" type="checkbox"/> Siltation-impaired	<input type="checkbox"/> HQ <input checked="" type="checkbox"/> EV <input checked="" type="checkbox"/> Other <u>MF</u> <input type="checkbox"/> Siltation-impaired
	<input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired	<input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired

	<input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired <input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired	<input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired <input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired
Secondary Receiving Water	Secondary Chapter 93, Designated Use	Secondary Existing Use
Name of Municipal or Private Separate Storm Sewer Operator, if applicable.		
Non-Surface Receiving Water: (include off-site discharges)		

SECTION F. EROSION AND SEDIMENT CONTROL (E&S) PLAN
See the attached Instructions for additional guidance with E&S Plans

Erosion and Sediment Control Plan BMPs should be designed to minimize accelerated erosion and sedimentation through limiting the extent and duration of earth disturbance, protection of existing drainage and vegetation, limiting soil compaction and controlling the generation of increased runoff. The Department recommends the use of the *Pennsylvania Erosion & Sedimentation Pollution Control Program Manual (E&S Manual)* (363-2134-008) to achieve this goal. The E&S Plan must meet the requirements of Pa. Code § 102.4(b) and submitted with the NOI. Also, see section 2. of the NOI instruction for detailed information on completing the E&S plan and additional requirements.

a. E&S Plan Summary

Provide a summary of proposed E&S BMPs and their performance to manage E&S for the project.

Typical BMPs provided along the pipeline Right-Of-Way includes waterbars, trench plugs, compost filter socks, compost sediment traps, rock filter outlets, erosion control blankets, rock construction entrances, temporary equipment bridges, timber mats, diversion channels, level spreaders, mulch and seed. An appropriate sediment removal device (filter bag, dewatering structure) and well-vegetated area will be utilized for trench dewatering. In HQ, EV watersheds, appropriate Antidegradation Best Available Combination of Technologies (ABACT) BMPs will be utilized. Additional information regarding all the proposed BMPs are provided in the Erosion and Sedimentation Control and Site Restoration Plans of respective project components (Section 2 of this ESCGP-3 Application).

b. E&S Plan BMP Design

Check those that apply:

- ☒ E&S Plan is designed using BMPs in the *E&S Manual*.
- ☐ E&S Plan is designed using an alternative BMP or design standard approved by DEP.

Note: NOI packages submitted with alternate BMPs not approved by the Department will be returned to the Applicant.

c. Do you have any information regarding riparian buffer which differs from Section G, Riparian Buffer?

Yes ☐ No ☒

Explain:

d. Thermal Impacts Analysis

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

Thermal impacts associated with Regional Energy Access Expansion Project will be avoided to the maximum extent possible. Minimum permanent changes in land cover are being proposed for constructing the pipeline facilities. Runoff from impervious areas added during the project will be suitably routed to Stormwater BMPs. Gravel will be used for access roads wherever practicable. To avoid thermal impacts arising from clearing and grading, removal of vegetation will be limited to only that necessary for construction and construction Right-Of-Way will be limited to 75 feet in wetlands and floodways where practical. Once construction activities are complete, disturbed areas will be restored to pre-construction contours and seeded as described in Erosion and Sediment Control and Site Restoration Plans. Temporary workspaces will be restored back with woody and herbaceous species. Thermal impacts assessments corresponding to each project component including pipelines and aboveground facilities are given in Section 2 and 3 of this ESCGP-3 Application.

e. Off-Site Discharge Analysis

Does the activity propose any off-site discharges to areas other than surface waters? ☒ Yes ☐ No

If yes, it is the applicant's responsibility to ensure that they have legal authority for any off-site discharge to neighboring properties.

The applicant must provide a demonstration in both E&S and PCSM/SR plans that the discharge will not cause erosion, damage, or a nuisance to off-site properties.

See Offsite Discharge Analysis Sections in E&S Narratives

SECTION G. RIPARIAN BUFFER

1. Will you be protecting, converting or establishing a voluntary riparian forest buffer as part of this project?
☐ Yes ☒ No
If yes, as part of the PCSM/SR Plan, provide a Buffer Management Plan.
2. Will proposed earth disturbance activities be conducted in an EV or HQ watershed AND within 150 feet of a perennial or intermittent river, stream, or creek, or lake, pond, or reservoir? ☒ Yes ☐ No
If no, proceed to the next section/module.
3. Does this project qualify for an exception (see § 102.14(d)(1))? ☒ Yes ☐ No
If yes, indicate below the type of project for which the exception applies by marking the appropriate box.
☐ Oil and gas activities for which site reclamation or restoration is part of the permit authorization in Chapter 78 and 78a.
☒ Road maintenance activities.
☐ The repair or maintenance of existing pipelines and utilities.
☐ Other (see §102.14(d)(1))
If exceptions are checked, explain how existing riparian buffer will be undisturbed to the extent practicable. Provide a demonstration that the requirements of §102.14(b) are met, or provide the necessary information to request a riparian buffer waiver.
4. Are you requesting a riparian buffer waiver for this project (see § 102.14(d)(2))? ☒ Yes ☐ No
If yes, indicate below the type of project for which you are requesting a waiver by marking the appropriate box.
☒ Linear project that may include pipelines, public roadways, rail lines, or utility lines.
☒ Project is of a temporary nature where the site will be fully restored to its preexisting conditions during the ESCGP permit term.
☒ Project where compliance with mandatory riparian buffers is not appropriate or feasible due to site characteristics or existing structures at the project site.
☐ Other (see §102.14(d)(2)):
If waivers are checked, explain how existing riparian buffers will be undisturbed to the extent practicable.
Note: If "Yes" to #2 **AND** "No" to #3 and #4, provide an attachment to demonstrate how the requirements of §102.14 are met.

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PCSM) AND/OR SITE RESTORATION(SR) PLAN

See NOI Instructions for additional guidance with PCSM Plans

PCSM/SR BMPs should be designed to use natural measures to eliminate pollution, infiltrate runoff, not require extensive construction/maintenance, promote pollutant reduction, and preserve the integrity of stream channels. All PCSM/SR BMPs proposed in the PCSM/SR Plan must be designed in accordance with Ch. 102, Ch. 78a for unconventional operations, Ch. 78 for conventional operations and the *Pennsylvania Stormwater Best Management Practices Manual (Stormwater BMP Manual)* (363-0300-002). If alternate design criteria are utilized for the proposed project, they must have prior approval by the Department, or the NOI Application will be returned to the Applicant.

After construction is completed, how much of the entire disturbed area will be restored to meadow in good condition or better, or existing conditions? ☐ All ☒ Partial ☐ None

Include PCSM narrative and drawings for remaining impervious area. Also include a map showing the proposed contours of the site restoration plan.

If there are additional stages of the project prior to permit termination or expiration, list the stages and provide the documents required by subsection 'a' to section 'g' for each stage (e.g. partial restoration or changes to the amount of compacted areas, gravel, and/or impervious areas). Upload a narrative for each additional stage in addition to the drawings.

EXAMPLE

Stage No	Stage Name	PCSM Plan	SR Plan
Stage 1		<input type="checkbox"/>	<input type="checkbox"/>
Stage 2		<input type="checkbox"/>	<input type="checkbox"/>
Stage 3		<input type="checkbox"/>	<input type="checkbox"/>
Stage 4		<input type="checkbox"/>	<input type="checkbox"/>

Act 167 Consistency. Check those that apply.

Is there an Act 167 Plan? ☒ Yes ☐ No

☒ The attached PCSM/SR Plan is consistent with an applicable approved Act 167 Plan.

Complete the following for all approved Act 167 Stormwater Management Plans. (Use additional sheets if necessary)

Act 167 Plan Name _____ Date Adopted _____ Consistency Letter Included ☐

Luzerne County Stormwater August 18, 2010 Verification Report Included ☒

Management Ordinance

Valley Creek Watershed Stormwater February 04, 2011

Management Plan

Note: A consistency letter is not required if a verification report is provided. See NOI Instructions. The PCSM/SR Plan must satisfy either sub paragraph 1, 2, or 3 below. Check those that apply.

1. ☒ Act 167 Plan approvals on or after January 2005 – The attached PCSM/SR Plan, in its entirety, is consistent with all requirements pertaining to rate, volume, and water quality from an Act 167 Stormwater Management Plan approved by DEP on or after January 2005. Box 1 must be checked if a current, DEP approved Act 167 plan exists.
2. ☒ The PCSM/SR Plan meets the standard design criteria from sections 102.8(g)(2) and (3) and the *Stormwater BMP Manual*. For projects involving oil and gas activities authorized by a permit issued under Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure, post construction stormwater management requirements are met for all areas that are restored to preconstruction conditions or to a condition of meadow in good condition or better. *[Note: PCSM plans must meet both the volume and rate requirements in the regulations, which are provided in the 2 sections mentioned in this paragraph].*
3. ☐ Alternative Design Standard – The attached PCSM/SR Plan was developed using approaches as provided in 102.8(g)(2)(iv) and 102.8(g)(3)(iii). Demonstrate/explain in the space provided below how this standard will be either more protective than what is required in 102.8(g)(2) and 102.8(g)(3) or will maintain and protect existing water quality and existing and designated uses.

PCSM/SR BMP Alternative Standards:

Has the alternative BMP or design standard been approved by the Department?

☐ Yes

☐ No – Do not submit the ESCGP-3 application and see Section (H) of the NOI Instructions concerning the alternative BMP approval process.

Water Quality Compliance:

Does the PCSM/SR plan comply with requirements for volume control? ☒ Yes ☐ No

If yes, is at least 90% of the disturbed area controlled by a PCSM BMP? ☒ Yes ☐ No

If yes, do you have the Standard PCSM Worksheet # 10 attached to show water quality compliance has achieved?

☒ Yes ☐ No

If no, attach Standard PCSM Worksheets # 12 and #13 to show water quality compliance has achieved.

If PCSM/SR plan is not complying with the requirements for volume control, attach Standard PCSM Worksheets # 11, # 12 and #13 to show water quality compliance has achieved.

a. PCSM/SR Plan Summary

Provide a summary of proposed BMPs and their performance to manage PCSM/SR for the project.

Along the pipeline Right-Of-Way, typical E&S BMPs such as waterbars and erosion control blanket will be left in place as part of site restoration. After construction activities are completed, temporary workspaces will be restored to meadow in good condition or better than existing conditions. For the aboveground facilities, PCSM BMPs such as infiltration basins, diversion channels and vegetated swales will be used and left in place as part of site restoration. Additional information regarding all the proposed BMPs are provided in the Post-Construction Stormwater Management Plans of respective project components (Section 3 of this ESCGP-3 Application).

Check all that apply ☒ PCSM BMPs ☒ SR BMPs

b. Do you have any information regarding riparian buffer which differs from what was submitted in the Section G, Riparian Buffer?

☐ Yes ☒ No

Explain:

c. Thermal Impacts Analysis

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

Runoff collected in PCSM BMPs such as infiltration basins will mitigate thermal impacts from post construction stormwater. Runoff collected in infiltration basins are discharged to receiving waters are not expected to be retained for more than 24 hours. Minimum permanent changes in land cover are being proposed for constructing the pipeline facilities. Gravel will be used for access roads wherever practicable. Removal of trees and riparian vegetation and addition of impervious surfaces will be limited to only that necessary for construction. Once construction activities are complete, disturbed areas will be restored to pre-construction contours and seeded as described in Erosion and Sedimental Control and Site Restoration Plans. Temporary workspaces will be restored back with woody and herbaceous species. Thermal impacts assessments corresponding to each project component including pipelines and aboveground facilities are given in Section 2 and 3 of this ESCGP-3 Application.

d. Off-Site Discharge Analysis.

Does the activity propose any off-site discharges to areas other than surface waters? ☒ Yes ☐ No

If yes, it is the applicant's responsibility to ensure that they have legal authority for any off-site discharge to neighboring properties.

The Applicant must provide a demonstration in both the E&S and PCSM/SR Plans that the discharge will not cause erosion, damage, or a nuisance to off-site properties.

See Offsite Discharge Analysis Sections in PCSM Narratives

NOI Section H. POST CONSTRUCTION STORMWATER MANAGEMENT (PCSM) PLANS

Summary Calculations of Post Construction Stormwater BMPs

1. Regional Energy Lateral Pipeline - MLV-515RA20
2. Regional Energy Lateral Pipeline - MLV-515RA30
3. Regional Energy Lateral Pipeline - Carverton Tie-in
4. Regional Energy Lateral Pipeline - Lower Demunds REL Tie-in
5. Regional Energy Lateral Pipeline – Hildebrandt Tie-in/MLV-515RA40
6. Effort Loop Pipeline - MLV-505LD86
7. Compressor Station 200
8. Compressor Station 515

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - MLV-515RA20 - Zenker Valve Yard

e. Summary Table for Supporting Calculation and Measurement Data
(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Mill Creek			
Volume Control design storm frequency 2-year Rainfall amount 2.95 inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.19	+0.19
Volume of stormwater runoff (acre- feet) without planned stormwater BMPs	0.04	0.06	+0.02
Volume of stormwater runoff (acre- feet) with planned stormwater BMPs		0.03	-0.01
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	3.51	3.22	-0.29
2) 10-Year/24-Hour	6.82	6.17	-0.65
3) 50-year/24-Hour	11.88	11.12	-0.76
4) 100-year/24-Hour	14.91	14.91	-0.00

f. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Vegetated Swale	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input checked="" type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ <u>1,396cf(2-yr);</u> <u>6,186cf(100-yr)</u>	_____ _____ <u>0.28</u>
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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g. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Dry Extended Detention Basin area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Channels to ensure they have been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Dry Extended Detention Basin to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Dry Extended Detention Basin the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. At completion of Collection Channel C1 to ensure it has been constructed to the proposed line and grade, the specified lining material has been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
6. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to Collection Channel C1.
7. For final inspection of constructed BMPs.
8. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL GENERAL PERMIT (ESGCP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR TRANSMISSION FACILITIES

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - MLV-515RA30 - Wyoming Valve Yard

b. Summary Table for Supporting Calculation and Measurement Data (See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Susquehanna-Solomon Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>2.57</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.24	+0.24
Volume of stormwater runoff (acre- feet) without planned stormwater BMPs	0.03	0.06	+0.03
Volume of stormwater runoff (acre- feet) with planned stormwater BMPs		0.03	-0.00
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.22	0.02	-0.20
2) 10-Year/24-Hour	0.68	0.03	-0.65
3) 50-year/24-Hour	1.52	0.06	-1.46
4) 100-year/24-Hour	2.06	0.07	-1.99

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Soil Amendment	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>451cf(2-yr);</u> <u>2,511cf(100-yr)</u> _____ _____ _____ _____	_____ <u>0.21</u> _____ _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input checked="" type="checkbox"/> Other <u>Vegetated Swale</u>	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	 <u>1,009cf(2-yr):</u> <u>4,264cf(100-yr)</u>	 <u>0.49</u>
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Vegetated Swale area has been flagged and fence erected to prevent access to the area.
2. At the beginning of construction of the Vegetated Swale to ensure the infiltration area has not been compacted by construction activities.
3. During construction of the Vegetated Swale the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
4. At completion of Collection Channel C1 to ensure it has been constructed to the proposed line and grade, the specified lining material has been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the infiltration berm.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - Carverton Tie-In

<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i></p> <p>The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Abrahams Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>2.61</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.03	0.11	+0.08
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.02	0.03	+0.01
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.00	-0.02
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.46	0.00	-0.46
2) 10-Year/24-Hour	0.91	0.00	-0.91
3) 50-year/24-Hour	1.61	0.00	-1.61
4) 100-year/24-Hour	2.01	0.00	-2.01

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>1,280cf (2-yr);</u> <u>4,445cf(100-yr)</u>	_____ _____ _____ _____ <u>0.26</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. At the beginning of construction to ascertain the Infiltration Berm area has been flagged and fence erected to prevent access to the area.
2. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the infiltration berm.
3. At the beginning of construction of the Infiltration Berm to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the infiltration berm the licensed professional will observe that the berm is constructed in accordance with the plans and specifications.
5. For final inspection of constructed BMPs.
6. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - Lower Demunds REL Tie-In

<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i></p> <p>The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Toby Creek			
Volume Control design storm frequency 2-year Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.12	+0.12
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.02	0.04	+0.02
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.01	-0.01
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.20	0.00	-0.20
2) 10-Year/24-Hour	0.40	0.00	-0.40
3) 50-year/24-Hour	0.71	0.20	-0.51
4) 100-year/24-Hour	0.89	0.51	-0.38

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>1,481cf(2-yr);</u> <u>4,356cf(100-yr)</u> _____ _____ _____	_____ <u>0.17</u> _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Valve Yard Pad area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Berm/Channel to ensure it has been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Valve Yard Pad to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Valve Yard Pad the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the outlet structure.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline – MLV-515RA40-Hildebrandt Tie-In

b. Summary Table for Supporting Calculation and Measurement Data

(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Toby Creek

Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.0	0.22	+0.22
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.03	0.07	+0.04
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.01	-0.02
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.34	0.20	-0.14
2) 10-Year/24-Hour	0.67	0.38	-0.29
3) 50-year/24-Hour	1.20	0.65	-0.55
4) 100-year/24-Hour	1.52	0.80	-0.72

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Vegetated Swale	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>2,265cf(2-yr);</u> <u>5,881cf(100-yr)</u>	_____ <u>0.21</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____

<input type="checkbox"/> Roadside Vegetated Filter Strips		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Stormwater Energy Dissipaters	Infiltration/Recharge			
<input type="checkbox"/> Level Spreaders		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Riprap Aprons		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Upslope Diversions		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Other _____		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____

d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Valve Yard Pad area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Channel to ensure it has been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Valve Yard Pad to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Valve Yard Pad the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the outlet structure.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Effort Loop Pipeline-MLV-505LD86 Sugar Hollow Valve Yard

b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i> The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.			
Watershed Name: Pohopoco Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.26</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.09	0.62	+0.53
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.35	0.44	+0.09
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.28	-0.07
Stormwater discharge rate for the design frequency storm DA-1	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.01	0.01	-0.00
2) 10-Year/24-Hour	0.37	0.31	-0.06
3) 50-year/24-Hour	5.89	4.21	-1.68
4) 100-year/24-Hour	11.47	8.28	-3.19
Stormwater discharge rate for the design frequency storm DA-2	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	4.51	3.97	-0.54
2) 10-Year/24-Hour	12.49	12.28	-0.21
3) 50-year/24-Hour	26.58	24.35	-2.23
4) 100-year/24-Hour	35.41	31.74	-3.67

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input checked="" type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ <u>1,123cf(2-yr);</u> <u>21,318cf(100-yr)</u> _____ <u>5,915cf(2-yr);</u> <u>26,924cf(100-yr)</u>	_____ _____ <u>2.85</u> _____ <u>1.54</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. For the final grading of the access road, ensuring it is constructed according to the plan details for proper conveyance of runoff.
2. Following final grading and seeding of the diversion channels and basin, in order to confirm they have been constructed according to the plan details for proper collection and conveyance of runoff. Periodic assessments will need to be made to ensure accumulated sediment have been cleaned out so the channels and basin maintain the necessary design volumes.
3. During the layout and excavation of the outlet control structure, the professional or delegate will ensure sizing, materials specifications, and construction procedures are followed to enable proper storage in the basin.
4. Following final grading and seeding of the infiltration berm in order to confirm they have been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessment will need to be made to ensure that accumulated sediment have been cleaned out so the area behind the berm maintains the necessary design volume.
5. For final inspection of constructed channels, basin and berms.
6. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Compressor Station 200

b. Summary Table for Supporting Calculation and Measurement Data

(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Valley Creek

Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.30</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.25	0.40	+0.15
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.07	0.11	+0.04
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.07	-0.00
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	1.03	0.15	-0.88
2) 10-Year/24-Hour	2.06	1.39	-0.67
3) 50-year/24-Hour	3.19	2.79	-0.40
4) 100-year/24-Hour	3.97	3.50	-0.47

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>3,790cf(2-yr);</u> <u>11,631cf(100-yr)</u>	_____ _____ _____ _____ <u>0.56</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____ _____	_____ _____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Following final grading and seeding of the infiltration berm in order to confirm it has been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessments will need to be made to ensure that accumulated sediment should be cleaned out so the channels and berm maintain necessary design volume.
2. For final inspection of constructed BMPs.
3. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E & S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESGCP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Compressor Station 515

b. Summary Table for Supporting Calculation and Measurement Data

(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Bear Creek

Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.34	2.44	+2.10
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.50	0.81	+0.31
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.18	-0.32
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	5.46	1.76	-3.70
2) 10-Year/24-Hour	10.19	8.30	-1.89
3) 50-year/24-Hour	16.85	9.55	-7.30
4) 100-year/24-Hour	20.81	9.58	-11.23

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>31,799cf(2-yr):</u> <u>96,268cf(100-yr)</u>	_____ _____ _____ _____ <u>3.83</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

- Following final grading and seeding of the collection channels and infiltration berm in order to confirm they have been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessments will need to be made to ensure that accumulated sediment should be cleaned out so the channels and berm maintain necessary design volume.
- For final inspection of constructed BMPs.
- At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E & S controls.

SECTION I. ANTIDEGRADATION ANALYSIS

This section must be completed where earth disturbance activities will be conducted in the watershed of a surface water with an existing or designated use of exceptional value or high quality pursuant to Chapter 93 (relating to water quality standards), projects where any part is located in an exceptional value wetland in accordance with 25 Pa. Code § 105.17, and projects where any part is located in the watershed of an impaired surface water where the cause of impairment is identified as siltation.

Part 1 - NONDISCHARGE ALTERNATIVES EVALUATION

The applicant must consider and describe any and all non-discharge alternatives for the entire project area which are environmentally sound and will:

- Minimize accelerated erosion and sedimentation during the earth disturbance activity
- Achieve no net change from pre-development to post-development volume, rate and concentration of pollutants in water quality

E & S Plan	PCSM/SR Plan
<p>Check off the environmentally sound nondischarge Best Management Practices (BMPs) listed below to be used prior to, during, and after earth disturbance activities that have been incorporated into your E & S Plan based on the site analysis. For non-discharge BMPs not checked, provide an explanation of why they were not utilized. Also for BMPs checked, provide an explanation of why they were utilized. (Provide the analysis and attach additional sheets if necessary)</p> <p>See Section 2 of this ESCGP-3 Application</p>	<p>Check off the environmentally sound nondischarge Best Management Practices (BMPs) listed below to be used after construction that have been incorporated into the PCSM/SR Plan based on your site analysis. For non-discharge BMPs not checked, provide an explanation of why they were not utilized. Also for BMPs checked, provide an explanation of why they were utilized. (Provide the analysis and attach additional sheets if necessary)</p> <p>See Section 3 of this ESCGP-3 Application</p>
<p>Nondischarge BMPs</p> <p><input type="checkbox"/> Alternative Siting</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative location</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative configuration</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative location of discharge</p> <p><input checked="" type="checkbox"/> Limited Disturbed Area</p> <p><input type="checkbox"/> Limiting Extent & Duration of Disturbance (Phasing, Sequencing)</p> <p><input type="checkbox"/> Riparian Buffers (150 ft. min.)</p> <p><input type="checkbox"/> Riparian Forest Buffer (150 ft. min.)</p> <p><input type="checkbox"/> Other _____</p>	<p>Nondischarge BMPs</p> <p><input type="checkbox"/> Alternative Siting</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative location</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative configuration</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative location of discharge</p> <p><input type="checkbox"/> Low Impact Development (LID / BSD)</p> <p><input type="checkbox"/> Riparian Buffers (150 ft. min.)</p> <p><input type="checkbox"/> Riparian Forest Buffer (150 ft. min.)</p> <p><input checked="" type="checkbox"/> Infiltration</p> <p><input type="checkbox"/> Water Reuse</p> <p><input type="checkbox"/> Other _____</p>
<p>Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality during construction?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, antidegradation analysis is complete. If no, proceed to Part 2.</p>	<p>Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality after construction?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, antidegradation analysis is complete. If no, proceed to Part 2.</p>

PART 2 - ANTIDEGRADATION BEST AVAILABLE COMBINATION OF TECHNOLOGIES (ABACT)

If the net change in stormwater discharge from or after construction is not fully managed by nondischarge BMPs, the applicant must utilize ABACT BMPs to manage the difference. The Applicant must specify whether the discharge will occur during construction, post-construction or both, and identify the technologies that will be used to ensure that the discharge will be a non-degrading discharge. ABACT BMPs include but are not limited to:

E & S Plan	PCSM/SR Plan
<p><input checked="" type="checkbox"/> Treatment BMPs:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Sediment basin with skimmer <input type="checkbox"/> Sediment basin ratio of 4:1 or greater (flow length to basin width) <input type="checkbox"/> Sediment basin with 4-7 day detention <input type="checkbox"/> Flocculants <input checked="" type="checkbox"/> Compost Filter Socks <input checked="" type="checkbox"/> Compost Filter Sock Sediment Basin <input checked="" type="checkbox"/> RCE w/ Wash Rack <p><input checked="" type="checkbox"/> Land disposal:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Vegetated filters <input type="checkbox"/> Riparian buffers <150ft. <input type="checkbox"/> Riparian Forest Buffer <150ft. <input checked="" type="checkbox"/> Immediate stabilization <p><input checked="" type="checkbox"/> Pollution prevention:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> PPC Plans <input checked="" type="checkbox"/> Street sweeping <input checked="" type="checkbox"/> Channels, collectors and diversions lined with permanent vegetation, rock, geotextile or other non-erosive materials <p><input type="checkbox"/> Stormwater reuse technologies:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Sediment basin water for dust control <input type="checkbox"/> Sediment basin water for irrigation <p><input type="checkbox"/> Other _____</p>	<p><input checked="" type="checkbox"/> Treatment BMPs:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Infiltration Practices <input type="checkbox"/> Wet ponds <input type="checkbox"/> Created wetland treatment systems <input checked="" type="checkbox"/> Vegetated swales <input type="checkbox"/> Manufactured devices <input checked="" type="checkbox"/> Bio-retention/infiltration <input type="checkbox"/> Green Roofs <p><input type="checkbox"/> Land disposal:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Vegetated filters <input type="checkbox"/> Riparian Buffers <150ft. <input type="checkbox"/> Riparian Forest Buffer <150ft. <input type="checkbox"/> Disconnection of roof drainage <input type="checkbox"/> Bio-retention/bio-infiltration <p><input checked="" type="checkbox"/> Pollution prevention:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Street sweeping <input type="checkbox"/> Nutrient, pesticide, herbicide or other chemical application plan alternatives <input checked="" type="checkbox"/> PPC Plans <input checked="" type="checkbox"/> Non-structural Practices <input checked="" type="checkbox"/> Restoration BMPs <p><input type="checkbox"/> Stormwater reuse technologies:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Divert rainwater into impoundment <input type="checkbox"/> Underground storage <p><input type="checkbox"/> Spray/Drip Irrigation</p> <p><input type="checkbox"/> Other _____</p>
<p>Are the ABACT BMPs selected sufficient to minimize E&S discharges to the extent that existing or designated surface water uses are protected?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.</p>	<p>Are the ABACT BMPs selected sufficient to achieve no net change and assure that existing or designated surface water uses are protected?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.</p>

SECTION J. COMPLIANCE HISTORY REVIEW

Is/was the applicant(s) in violation of any Department regulation, order, schedule of compliance or permit or in violation of any department regulated activities within the past five years?

☒ Yes ☐ No

If yes, provide the permit number or facility name, a brief description of the violation, the compliance schedule (including dates and steps to achieve compliance) and the current compliance status. (Attach additional information on a separate sheet, when necessary)

Permit Program or Activity: Chapter 102, Chapter 105, PAG-10

Permit Number (if applicable):

1. ESG03000150001, ESG00350150001, ESG00081150001
2. E41-649
3. E-19-311, E36-947, E-38-195, E40-769, E49-336, E54-360, E58-315, E66-160, E41-667, E18-495,
4. PAG109632

Brief Description of non-compliance:

Consent Assessment of Civil Penalty, Reports past due.

Steps taken to achieve compliance

1. Consent Assessment of Civil Penalty
2. Consent Assessment of Civil Penalty. Permits being obtained to complete channel restoration
3. Consent Assessment of Civil Penalty
4. All past due reports were provided to PADEP

Date(s) compliance achieved

1. 9/20/2020
2. 8/9/2020
3. 9/20/2020
4. 12/14/2017



Current Compliance Status: ☒ In-Compliance

☐ In Non-Compliance

If in non-compliance, attach schedule for achieving compliance.

SECTION K. CERTIFICATION BY PERSON PREPARING E&S AND PCSM/SR PLANS

I do hereby certify to the best of my knowledge, information, and belief, that the Erosion and Sediment Control and PCSM/Site Restoration Plans are true and correct, represent actual field conditions, and are in accordance with the 25 Pa. Code Chapters 78/78a and 102 of the Department's rules and regulations. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Print Name Kevin C. Clark	Signature 	Professional Seal 	
Company BAI Group, LLC			
Address 2525 Green Tech Drive, Suite D, State College, PA-16803			
Phone (814) 238-2060			
Most Recent DEP Training Attended	Location		Date
e-Mail Address kclark@baigroupllc.com			

EXPEDITED REVIEW PROCESS

In addition to the certification required above, applicants using the expedited permit review process must attach an E&S and PCSM/Site Restoration Plans developed and sealed by a licensed professional engineer, surveyor or professional geologist. The plans shall contain the following certification:

I do hereby certify to the best of my knowledge, information, and belief, that the E & S Control and PCSM/SR BMPs are true and correct, represent actual field conditions and are in accordance with the 25 Pa. Code Chapters 78 / 78a and 102 of the Department's rules and regulations. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SECTION L. APPLICANT CERTIFICATION

Applicant Certification

I certify under penalty of law, as provided by 18 Pa. C.S.A. § 4904, that this application and all related attachments were prepared by me or under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my own knowledge and on inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. The responsible official's signature also verifies that the activity is eligible to participate in the ESCGP, and that the applicant agrees to abide by the terms and conditions of the permit. BMP's, E&S Plan, PPC Plan, PCSM Plan, and other controls are being or will be, implemented to ensure that water quality standards and effluent limits are attained.

I grant permission to the agencies responsible for the permitting of this work, or their duly authorized representative to enter the project site for inspection purposes. I will abide by the conditions of the permit if issued and will not begin work prior to permit issuance.

(For individuals no indication of title is necessary, choose the box below. All others proceed to the next paragraph)

☐ **Individual; proceed to signature portion.**

I hereby certify under penalty of law, as provided by 18 Pa. C.S.A. § 4904, that I am the person who is responsible for decision-making regarding environmental compliance functions for Transcontinental Gas Pipeline Company, LLC, the manager of one or more manufacturing, production, or operating facilities of the applicant and am authorized to make management decisions which govern the operation of regulated facility including having explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure the applicant's long term environmental compliance with environmental laws and regulations; and I am responsible for ensuring that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements.

(choose one of the following; not applicable for individuals):

☐ The responsible corporate officer ☐ president ☐ vice president ☐ secretary
☐ treasure of _____ Corporation/Company
Entity name

☒ The ☐ member or ☒ manager of Transcontinental Gas Pipe Line Company, LLC
Entity name

☐ The general partner of _____ partnership/LP/LLP
Entity name

☐ The principal executive officer or ranking elected official of _____ Municipality/State/Federal/other public agency
Entity name

☐ Power of Attorney/delegation of contractual authority (documentation supporting delegation of contracting authority must be provided) for _____
Entity name

Print Name and Title of Applicant

Print Name and Title of Co-Applicant (if applicable)

Signature of Applicant

Signature of Co-Applicant

Date Application Signed

Date Application Signed

Notarization

Sworn to and subscribed to before me this
_____ day of _____, 20_____

Commonwealth of Pennsylvania
County of _____

Notary Public

My Commission expires _____

AFFIX SEAL

SECTION M. ADDITIONAL CONTACT INFORMATION			
Contact's Last Name	First Name	MI	Phone (814) 689-1650
Nelson	Ryan	J	FAX
Mailing Address	City	State	ZIP + 4
2525 Green Tech Drive, Suite B	State College	PA	16803
e-Mail Address ryann@whmgroup.com			

Section 1-1.1 NOI Supporting Information

Project Component	Site	Site Location City	ZIP Code	County	Municipality	Total Project Area/Project Site (Acre)	Total Disturbed Area (Acre)	Latitude / Longitude	U.S.G.S. 7.5 min. Topographic Quadrangle	Receiving Waters	Chapter 93, Designated Use Stream Classification	Chapter 93, Existing Use Stream Classification	Siltation Impaired
Regional Energy Lateral	Pipeline			Luzerne	Buck, Bear Creek, Plains, Jenkins, Kingston, Dallas, Wyoming, West Wyoming, Laflin	952.63	420.67 (includes CS 515 and sites below)	41.173337, -75.671706 (eastern terminus) 41.346917, -75.946263 (western terminus)	Kingston, Pittston, Avoca, Wilkes-Barre East, Pleasant View Summit	Stony Run, Shades Creek, Little Shades Creek, Snider Run, Meadow Run, Bear Creek, Little Bear Creek, Mill Creek, Gardner Creek, Susquehanna River, Abrahams Creek, Toby Creek, Trout Brook	MF, HQ-CWF, WWF, CWF	-	No
	CY-LU-001	Wyoming	18644	Luzerne	Wyoming		16.3 (Included within above total)	41.31016, -75.84636		Abrahams Creek	CWF, MF	-	No
	CY-LU-002	Wilkes-Barre	18702	Luzerne	Laflin		11.4 (Included within above total)	41.28491, -75.79026		Gardner Creek	CWF, MF	-	No
	MLV-515RA20	Wilkes-Barre	18702	Luzerne	Bear Creek Township		0.46 (Included within above total)	41.25279, -75.75856		Mill Creek	CWF, MF	-	No
	MLV-515RA30	Wyoming	18644	Luzerne	Wyoming Borough		0.44 (Included within above total)	41.30411, -75.84662		Susquehanna River	WWF		No
	Carverton Tie-in	Wyoming	18644	Luzerne	West Wyoming Borough		3.9 (Included within above total)	41.32053, -75.87270		Abrahams Creek	CWF, MF		No
	Lower Demunds REL Tie-in	Dallas	18612	Luzerne	Dallas Township		1.7 (Included within above total)	41.34652, -75.94551		Trout Brook	CWF, MF		No
	Hildebrandt Tie-in/MLV-515RA40	Dallas	18612	Luzerne	Dallas Township		3.1 (Included within above total)	41.34692, -75.94629		Toby Creek, Trout Brook	CWF, MF		No
	Laflin Borough Stream Stabilization	Wilkes-Barre	18702	Luzerne	Laflin Borough		0.94 (Included within above total)	41.28925, -75.80209		Gardner Creek	CWF, MF	-	No
Effort Loop	Pipeline			Monroe	Ross, Chestnuthill, Tunkhannock	360.63	262.18	40.896796, -75.370606 (Southeast Terminus) 41.053413, -75.526178 (Northwest Terminus)	Blakeslee, Pocono Pines, Brodheads ville, Saylorsburg	Lake Creek, Princess Run, Weir Creek, McMichael Creek, Pohopoco Creek, Sugar Hollow Creek, Poplar Creek, Mud Run, Mud Pond Run, Tunkhannock Creek	EV, MF, HQ-CWF, CWF	EV, MF	No

Regional Energy Access Expansion Project
ESCGP-3 Permit Application
Transcontinental Gas Pipe Line Company, LLC
Section 1-1.1 NOI Supporting Information

Project Component	Site	Site Location City	ZIP Code	County	Municipality	Total Project Area/Project Site (Acre)	Total Disturbed Area (Acre)	Latitude / Longitude	U.S.G.S. 7.5 min. Topographic Quadrangle	Receiving Waters	Chapter 93, Designated Use Stream Classification	Chapter 93, Existing Use Stream Classification	Siltation Impaired
	MLV-505LD86 Sugar Hollow Valve Yard	Effort	18330	Monroe	Chestnut Hill Township		8.8 (Included within above total)	40.96775, -75.42980		Sugar Hollow Creek	CWF, MF	-	No
	CY-MO-001	Saylorsburg	18353	Monroe	Ross Township		50.1 (Included within above total)	40.89803, -75.36784		Lake Creek, Princess Run	HQ-CWF, MF, CWF	-	No
Delaware River Regulator		Easton	18040	Northampton	Lower Mt. Bethel	11.28	3.25	40.76220 -75.19653	Bangor, PA	Mud Run	CWF, MF	-	No
Mainline “A” Regulator		Washington Crossing	18977	Bucks	Lower Makefield	0.94	0.530	40.26807, -74.85712	Pennington, NJ-PA	Dyers Creek, Delaware River	MF, WWF	-	No
Compressor Station 200		Frazer	19335	Chester	East Whiteland	20.28	3.16	40.04998, -75.58589	Malvern, PA	Valley Creek	EV, MF, CWF	-	Yes
Compressor Station 515		White Haven	18661	Luzerne	Buck	952.63 (Included with Regional Energy Lateral)	24.83 (included with Regional Energy Lateral)	41.17380, -75.67118	Pleasant View Summit, PA	Shades Creek, Stony Run	HQ-CWF, MF	-	No



MUNICIPAL NOTIFICATION OF PLANNED LAND DEVELOPMENT FOR CHAPTER 102 PERMITS

PROJECT INFORMATION (COMPLETED BY APPLICANT)

Applicant Name:	Transcontinental Gas Pipe Line Company, a subsidiary of Williams Partners, L.P.	Contact Name:	Joseph Dean Manager-Permitting
Applicant Address:	2800 Post Oak Blvd, Level 11	Contact Phone:	(713) 215-3427
Applicant City, State, ZIP:	Houston, TX 77056	County:	Chester
Description of Proposed Land Development and Stormwater Controls:	East Whiteland		
<p>The existing Compressor Station 200 component of the Regional Energy Access Expansion Project is proposed to connect the existing Transco Mainline A into suction to support south flow. E&S and PCSM BMP's are proposed.</p>		Project Area:	20.28 acres <input type="checkbox"/> Phased
		Disturbance:	3.16 acres

Tax Parcel ID(s) Affected by Proposed Land Development:

4203 0065000 & 4203 0066000

Surface Waters Receiving Stormwater Discharges:

Valley CreekDischarge to: ☐ MS4 ☐ Other SS ☐ CSS

The following information was submitted to the municipality for this project:

☐ Land Development / Subdivision Plan
 ☒ E&S Plan
 ☒ PCSM Plan
 ☐ Other:

***On March 31, 2021 Transco submitted to you its E&S and PCSM Plans (Plans) as part of the ESCGP-3 permit application notification. The purpose of this notice is to let you know that Transco will be submitting an Erosion and Sediment Control Permit for Discharges of Stormwater Associated with Construction Activities Application to the PA Dept. of Environmental Protection to replace the ESCGP-3 application. Please refer to the previously submitted Plans.**

MUNICIPAL PLAN / ORDINANCE INFORMATION (COMPLETED BY MUNICIPALITY)

1. Is there an adopted municipal or multi-municipal comprehensive plan? ☐ Yes ☐ No
2. Is there an enacted municipal or multi-municipal zoning ordinance? ☐ Yes ☐ No
3. If Yes to #2, is the proposed project consistent with the ordinance? ☐ Yes ☐ No
4. Is there a municipal stormwater management ordinance? ☐ Yes ☐ No
5. If Yes to #4, is the proposed project consistent with the ordinance, without waiver? ☐ Yes ☐ No
6. If Yes to #4, indicate type of ordinance: ☐ Act 167 Model Ordinance ☐ DEP Model Ordinance (MS4s) ☐ Other

APPLICANT CERTIFICATION

I certify under penalty of law (see 18 Pa.C.S. § 4904 (relating to unsworn falsification)) that the information reported herein was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the information, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

MUNICIPAL ACKNOWLEDGEMENT

The municipality acknowledges that a permit application for the above-referenced project has been submitted to a reviewing agency and that notification requirements of Act 14 of 1984 and Acts 67, 68, and 127 of 2000 have been satisfied. The information reported herein by the municipality is true and accurate. The municipality reserves the right to comment to the reviewing agency relative to comprehensive plans, zoning, and stormwater ordinance consistency. Municipal acknowledgment of receipt of notification shall not be construed as project approval.

Joseph Dean

Applicant Name**Applicant Signature**

Manager - Permitting

Applicant Title

07/01/2021

Date of Signature**Municipal Representative Name****Municipal Representative Signature****Municipal Representative Title****Date of Signature**



MUNICIPAL NOTIFICATION OF PLANNED LAND DEVELOPMENT FOR CHAPTER 102 PERMITS

PROJECT INFORMATION (COMPLETED BY APPLICANT)

Applicant Name:	Transcontinental Gas Pipe Line Company, a subsidiary of Williams Partners, L.P.	Contact Name:	Joseph Dean Manager-Permitting
Applicant Address:	2800 Post Oak Blvd, Level 11	Contact Phone:	(713) 215-3427
Applicant City, State, ZIP:	Houston, TX 77056	County:	Chester
Description of Proposed Land Development and Stormwater Controls:	East Whiteland		
<p>The existing Compressor Station 200 component of the Regional Energy Access Expansion Project is proposed to connect the existing Transco Mainline A into suction to support south flow. E&S and PCSM BMP's are proposed.</p>		Project Area:	20.28 acres <input type="checkbox"/> Phased
		Disturbance:	3.16 acres

Tax Parcel ID(s) Affected by Proposed Land Development:

4203 0065000 & 4203 0066000

Surface Waters Receiving Stormwater Discharges:

Valley CreekDischarge to: ☐ MS4 ☐ Other SS ☐ CSS

The following information was submitted to the municipality for this project:

☐ Land Development / Subdivision Plan
 ☒ E&S Plan
 ☒ PCSM Plan
 ☐ Other:

***On March 31, 2021 Transco submitted to you its E&S and PCSM Plans (Plans) as part of the ESCGP-3 permit application notification. The purpose of this notice is to let you know that Transco will be submitting an Erosion and Sediment Control Permit for Discharges of Stormwater Associated with Construction Activities Application to the PA Dept. of Environmental Protection to replace the ESCGP-3 application. Please refer to the previously submitted Plans.**

MUNICIPAL PLAN / ORDINANCE INFORMATION (COMPLETED BY MUNICIPALITY)

1. Is there an adopted municipal or multi-municipal comprehensive plan? ☐ Yes ☐ No
2. Is there an enacted municipal or multi-municipal zoning ordinance? ☐ Yes ☐ No
3. If Yes to #2, is the proposed project consistent with the ordinance? ☐ Yes ☐ No
4. Is there a municipal stormwater management ordinance? ☐ Yes ☐ No
5. If Yes to #4, is the proposed project consistent with the ordinance, without waiver? ☐ Yes ☐ No
6. If Yes to #4, indicate type of ordinance: ☐ Act 167 Model Ordinance ☐ DEP Model Ordinance (MS4s) ☐ Other


APPLICANT CERTIFICATION

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Joseph Dean

Applicant Name**Applicant Signature**

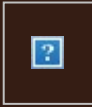
Manager - Permitting

Applicant Title

07/01/2021

Date of Signature**Municipal Representative Name****Municipal Representative Signature****Municipal Representative Title****Date of Signature**

From: [UPS](#)
To: SFOX@WHMGROUP.COM
Subject: UPS Delivery Notification, Tracking Number 1Z8797VV0390800638
Date: Wednesday, July 7, 2021 1:11:34 PM



Hello, your package has been delivered.

Delivery Date: Wednesday, 07/07/2021

Delivery Time: 1:09 PM

Left At: FRONT DESK

Signed by: FRONT DESK

WHM CONSULTING, INC

Tracking Number:	1Z8797VV0390800638
Ship To:	EAST WHITELAND TOWNSHIP SUPERVISOR 209 CONESTOGA ROAD FRAZER, PA 19355 US
Number of Packages:	1
UPS Service:	UPS Ground
Package Weight:	1.0 LBS
Reference Number:	WILLIAMS-20-244, TASK 2C



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March 31, 2021

UPS TRACKING (1Z8797VV0393286369)

East Whiteland Township Supervisors
209 Conestoga Road
Frazer, PA 19355

Re: Regional Energy Access Expansion Project – Compressor Station 200
Pennsylvania Acts 14, 67, 68, and 127 Notification
East Whiteland Township, Chester County, Pennsylvania

Dear Township Supervisors:

This municipal notice, under the requirements of Act 14, 97 P.S. § 510-5, is to inform you that Transcontinental Gas Pipe Line Company, LLC (Transco), a subsidiary of The Williams Companies, Inc. (Williams) is applying for coverage under the Erosion and Sediment Control General Permit (ESCGP-3) for Earth Disturbance Associated with Oil & Gas Exploration, Production, Processing or Treatment Operations or Transmission Facilities from the Pennsylvania Department of Environmental Protection (DEP).

1) Project Name: Regional Energy Access Expansion Project – Compressor Station 200

2) Project Description: Transco, indirectly owned by The Williams Companies, Inc. (Williams), is seeking authorization from the Federal Energy Regulatory Commission (FERC or Commission) under Section 7(c) of the Natural Gas Act and Part 157 of the Commission's regulations, to construct, own, operate, and maintain the proposed Project facilities. The Project is an expansion of Transco's existing natural gas transmission system that will enable Transco to provide an incremental 829,400 dekatherms per day (Dth/d) of year-round firm transportation capacity from the Marcellus Shale production area in northeastern Pennsylvania (PA) to multiple delivery points along Transco's Leidy Line in PA, Transco's mainline at the Station 210 Zone 6 Pooling Point in Mercer County, New Jersey (NJ) and multiple delivery points in Transco's Zone 6 in NJ, PA, and Maryland (MD).

The existing Compressor Station 200 component of the Project is located in East Whiteland Township, Chester County. Proposed are compressor station modifications to connect the existing Transco Mainline A into suction to support south flow.

3) Applicant Name: Transcontinental Gas Pipe Line Company, LLC's (Transco), a subsidiary of Williams Partners L.P. (Williams)

4) Applicant Contact: Joseph Dean
Environmental Manager
2800 Post Oak Blvd, Level 11
Houston, TX 77056
(713) 215-3417

5) Site Location: The proposed Project is located on the Malvern, Pennsylvania, 7.5 Minute USGS quadrangle at: 40° 2'59.88"N, 75°35'10.73"W.

6) Municipality / County: East Whiteland Township, Chester County

Act 14, which amended the Commonwealth's Administrative Code (71 P.S. § 510-5), requires every applicant for a new, amended, or revised permit to give written notice to each municipality (borough, township) and

county government in which the facility is located. The municipality and county government must receive the written notice at least thirty (30) - days before DEP may issue or deny approval of coverage.

Enclosed is a complete copy of the Notice of Intent (NOI) completed for the project as well as copies of the erosion and sediment control plan and post construction stormwater management plans.

Sincerely,

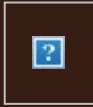
A handwritten signature in black ink, appearing to read "Ryan J. Nelson", with a stylized flourish at the end.

Ryan J. Nelson, PWS
WHM Consulting, LLC

Enclosures:

NOI Form
Erosion and Sediment Control Plan Drawings
Post Construction Stormwater Management Plan Drawings

From: [UPS](#)
To: SFOX@WHMGROUP.COM
Subject: UPS Delivery Notification, Tracking Number 1Z8797VV0393286369
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WHM CONSULTING, INC

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Number of Packages:	1
UPS Service:	UPS Ground
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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF WATER PROGRAMS
OFFICE OF OIL AND GAS MANAGEMENT

OFFICIAL USE ONLY

ID # T _____
 Date Received _____
 AUTH _____
 SITE _____
 CLNT _____
 APS _____
 Fee _____
 Check No. _____
 Check Date _____

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT
CONTROL GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH
OIL AND GAS EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT
OPERATIONS OR TRANSMISSION FACILITIES**

READ THE INSTRUCTIONS PROVIDED IN THIS PERMIT APPLICATION PACKAGE BEFORE COMPLETING THIS FORM. PLEASE PRINT OR TYPE INFORMATION IN BLACK OR BLUE INK.

SECTION A. APPLICATION TYPE

Check one:

NEW ☒ **RENEWAL** ☐ **MAJOR MODIFICATIONS (Provide ESCGP number)** ☐

PHASED ☐ (check only if applicable; *note: Most projects are not submitted as phased projects*)

Check one: **EXPEDITED** ☐ **STANDARD** ☒

If an Expedited Review Process being requested, be advised that the Expedited Review is not available for all projects. Refer to Section D - Expedited Review Process of the ESCGP-3 NOI Instructions to determine if the project is eligible.

SECTION B. CLIENT INFORMATION

Applicant's Last Name (If applicable)	First Name	MI	Telephone No.
Organization Name or Registered Fictitious Name Transcontinental Gas Pipe Line Company, LLC (Contact: Joseph Dean)			Telephone No. (713) 215-3427
DEP Client ID No.			
Headquarters Mailing Address 2800 Post Oak Blvd, Level 11	City Houston	State TX	ZIP Code 77056
Email Address Joseph.Dean@williams.com			
Co-Applicant's Last Name (If applicable)	First Name	MI	Telephone No.
Organization Name or Registered Fictitious Name 			Telephone No.

Address	City	State	ZIP Code
Email Address			

SECTION C. SITE INFORMATION					
Is there an existing ESCGP associated with this site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, Permit No. _____					
Has a well permit application been submitted for this site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, Permit No. _____					
Does this site have a 911 address? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, <u>provide site location address.</u>					
Site Name Regional Energy Access Expansion Project					
Site Location See Attachment 1-1.1- NOI Supporting Information			Site No. (if another permit has been issued for the site)		
Site Location – City See Attachment 1-1.1- NOI Supporting Information				State PA	ZIP Code
Detailed Written Directions to Site See Attachment 1-1.1- NOI Supporting Information for locations of all project sites					
Primary Location	County Luzerne, Northampton, Bucks, Chester, and Monroe	Municipality Buck, Bear Creek, Plains, Jenkins, Kingston, Lower Mt. Bethel, Ross, Chestnut Hill, Tunkhannock, Lower Makefield, East Whiteland and Dallas Townships Wyoming, West Wyoming, and Laflin Boroughs	City <input type="checkbox"/>	Boro <input checked="" type="checkbox"/>	Twp. <input checked="" type="checkbox"/>
SECTION D. EXPEDITED REVIEW					
I. Expedited Review Eligibility					
1. Is any part of the project in the watershed of a surface water with an existing or designated use of exceptional value or high quality pursuant to Chapter 93 (relating to water quality standards), in an exceptional value wetland in accordance with 25 Pa. Code § 105.17, or in the watershed of an impaired surface water where the cause of the impairment is identified as siltation?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
2. Will the project in which the well pad will be constructed be in or on a floodplain?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Is any earth disturbance located or proposed to be located on land known to be contaminated by the release of regulated substances as defined in Section 103 of Act 2, 35 P.S. § 6026.103?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4. Will naturally occurring geologic formations or soil conditions provide hazards to the project or surrounding environment or have the potential to cause or contribute to pollution when disturbed?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
5. Do any unresolved non-compliance issues exist with the applicant or the facility?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
6. Is the project a transmission project?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

<p>If yes to any of the above questions the project is not eligible for Expedited Review; If the project is eligible for Expedited Review, all the following items must be completed.</p>	
<p>II. Expedited Review Process</p>	
1. Is the technically and administratively complete and accurate NOI package prepared and certified by a licensed professional?	<input type="checkbox"/> Yes <input type="checkbox"/> No
2. Are E&S and PCSM/Site Restoration Plan drawings and narrative prepared and sealed by a licensed professional? <i>(Include interim restoration details when needed)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No
3. Include a Resource Delineation Report and answer the following questions: (If the answer to question a. is "Yes" then skip to #4. If the answer to a. is "No" the applicant must answer "Yes" to at least one of the questions, b. through d. to be eligible for expedited review.)	
a. Were all wetland resources delineated during the growing season?	<input type="checkbox"/> Yes <input type="checkbox"/> No
b. If not during the growing season, was a follow-up visit conducted during the growing season to verify/adjust boundaries and look for potentially missed resources?	<input type="checkbox"/> Yes <input type="checkbox"/> No
c. Was a quality assurance field review conducted at a later date by an independent qualified wetland professional to verify boundaries and look for potentially missed resources? (If yes, attach Quality Assurance Field Review Report)	<input type="checkbox"/> Yes <input type="checkbox"/> No
d. Was a Jurisdictional Determination (JD) or Preliminary JD conducted by the US Army Corps of Engineers on the whole project? (If yes, attach Preliminary or Jurisdictional Determination Report)	<input type="checkbox"/> Yes <input type="checkbox"/> No
4. If applicable, have you included PNDI clearance letters or other documentation from applicable resource agencies?	<input type="checkbox"/> Yes <input type="checkbox"/> No
5. If the project site contains, is along, or within 100 feet of a river, stream, creek, lake, pond or reservoir, will you establish new or preserve existing riparian forest buffer at least 100 feet in width between the top of streambank or normal pool elevation of a lake, pond or reservoir and areas of earth disturbances. If no, will a waiver be obtained? <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
6. Name of Licensed Professional	
Company	
Address	
Phone	

SECTION E. PROJECT INFORMATION																	
1. Total Project Area/Project Site (Ac):	1,346 (Also see Attachment 1-1.1)	Total Disturbed Area (Ac):	689.8 (Also see Attachment 1-1.1)														
Increased disturbed acreage <i>(for permit modification only)</i>																	
Fee: <i>(For additional information regarding fees, refer to NOI Instructions #3 Permit NOI Filing Fees.)</i>			\$ \$500 (Filing Fee), \$69,000 (Disturbed Acre Fee)														
2. Project Name: Regional Energy Access Expansion Project																	
3. Project Type (Check all that apply) <table border="0" style="width: 100%;"> <tr> <td><input type="checkbox"/> Oil/Gas Well ¹</td> <td><input checked="" type="checkbox"/> Transmission Facility</td> </tr> <tr> <td><input type="checkbox"/> Gathering Facility</td> <td><input type="checkbox"/> Processing Facility</td> </tr> <tr> <td><input type="checkbox"/> Treatment Facility</td> <td><input type="checkbox"/> Well Development Impoundment</td> </tr> <tr> <td><input checked="" type="checkbox"/> Compressor Station</td> <td><input type="checkbox"/> Non-FERC regulated Transmission Facility</td> </tr> <tr> <td><input checked="" type="checkbox"/> Pipeline</td> <td><input type="checkbox"/> Ground/Surface Water Withdrawal Site</td> </tr> <tr> <td><input type="checkbox"/> Storage Field Facility</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Other</td> <td></td> </tr> </table>				<input type="checkbox"/> Oil/Gas Well ¹	<input checked="" type="checkbox"/> Transmission Facility	<input type="checkbox"/> Gathering Facility	<input type="checkbox"/> Processing Facility	<input type="checkbox"/> Treatment Facility	<input type="checkbox"/> Well Development Impoundment	<input checked="" type="checkbox"/> Compressor Station	<input type="checkbox"/> Non-FERC regulated Transmission Facility	<input checked="" type="checkbox"/> Pipeline	<input type="checkbox"/> Ground/Surface Water Withdrawal Site	<input type="checkbox"/> Storage Field Facility		<input type="checkbox"/> Other	
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<input checked="" type="checkbox"/> Pipeline	<input type="checkbox"/> Ground/Surface Water Withdrawal Site																
<input type="checkbox"/> Storage Field Facility																	
<input type="checkbox"/> Other																	
¹ If Oil/Gas Well; is the well conventional or unconventional? <input type="checkbox"/> Conventional <input type="checkbox"/> Unconventional																	

Project Description

Transco, indirectly owned by The Williams Companies, Inc. (Williams), is seeking authorization from the Federal Energy Regulatory Commission (FERC or Commission) under Section 7(c) of the Natural Gas Act and Part 157 of the Commission's regulations, to construct, own, operate, and maintain the proposed Project facilities

The Project is an expansion of Transco's existing natural gas transmission system that will enable Transco to provide an incremental 829,400 dekatherms per day (Dth/d) of year-round firm transportation capacity from the Marcellus Shale production area in northeastern Pennsylvania (PA) to multiple delivery points along Transco's Leidy Line in PA, Transco's mainline at the Station 210 Zone 6 Pooling Point in Mercer County, New Jersey (NJ) and multiple delivery points in Transco's Zone 6 in NJ, PA, and Maryland (MD). The Project will consist of the following components:

- Approximately 22.3 miles of 30-inch-diameter pipeline partially collocated with Transco's Leidy Line A from milepost (MP) 0.00 to MP 22.32 in Luzerne County, PA (Regional Energy Lateral);
 - Approximately 13.8 miles of 42-inch-diameter pipeline collocated with Transco's Leidy Line System from MP 43.72 to MP 57.50 in Monroe County, PA (Effort Loop);
 - New gas-fired turbine driven compressor station identified as Compressor Station 201 with 11,107 nominal horsepower (HP) at International Organization of Standardization (ISO) conditions in Gloucester County, NJ;
 - Addition of two gas-fired turbine driven compressor units with 31,800 nominal HP at ISO conditions at existing Compressor Station 505 in Somerset County, NJ, to accommodate the abandonment and replacement of approximately 16,000 HP from eight existing internal combustion engine-driven compressor units and increase the certificated station compression by 15,800 HP;
 - Addition of two gas-fired turbine driven compressor units with 63,742 nominal HP at ISO conditions and modification of three existing compressors at existing Compressor Station 515 in Luzerne County, PA to support the Project and to accommodate the abandonment and replacement of approximately 17,000 HP from five existing gas-fired reciprocating engine driven compressors and increase the certificated station compression by 46,742 HP;
 - Uprate and rewheel two existing electric motor-driven compressor units at existing Compressor Station 195 in York County, PA to increase the certificated station compression by 5,000 HP and accommodate the abandonment of two existing gas-fired reciprocating engine driven compressors which total approximately 8,000 HP of compression;
 - Modifications at existing Compressor Station 200 in Chester County, PA;
 - Uprate one existing electric motor-driven compressor unit at Compressor Station 207 in Middlesex County, NJ to increase the certificated station compression by 4,100 HP;
 - Modifications to three (3) existing pipeline tie-ins in PA (Hildebrandt Tie-in, Lower Demunds REL Tie-in, and Carverton Tie-in);
 - Addition of regulation controls at an existing valve setting on Transco's Mainline "A" in Bucks County, PA (Mainline A Regulator);
 - Modifications at the existing Delaware River Regulator in Northampton County, PA;
 - Modifications at the existing Centerville Regulator in Somerset County, NJ;
 - Modifications to the existing valves and piping at the Princeton Junction (Station 210 Pooling Point) in Mercer County, NJ;
 - Modifications to three (3) existing delivery meter stations in NJ (Camden M&R Station, Lawnside M&R Station, and Mt. Laurel M&R Station);
 - Modifications to one (1) existing delivery meter station in MD (Beaver Dam M&R Station);
 - Contractual changes (no modifications) at ten (10) existing delivery meter stations in PA and NJ (Algonquin-Centerville Meter Station, Post Road Meter Station, New Village Meter Station, Spruce Run Meter Station, Marcus Hook Meter Station, Ivyland Meter Station, Repaupo Meter Station, Morgan Meter Station, Lower Mud Run Meter Station, and Chesterfield Meter Station);
 - Additional ancillary facilities, such as mainline valves (MLVs), cathodic protection, communication facilities, and internal inspection device (e.g., pig) launchers and receivers in PA; and
 - Existing, improved, and new access roads and contractor yards/staging areas in PA, NJ, and MD.
- Provide the date of pre-application meeting (if conducted with the Department) 04/27/20, 07/09/20, 09/04/20, 09/30/20, 12/15/20, 12/16/20, 01/06/21, 02/05/21

4. Provide the latitude and longitude coordinates for the center of the project. The coordinates should be in Decimal degrees and North American Datum 1983. The coordinates must meet the current DEP policy regarding locational accuracy. For linear projects provide the project's termini. See Attachment 1-1.1

Latitude (DD) . Latitude (DD) . Horizontal Collection Method: <input type="checkbox"/> GPS <input checked="" type="checkbox"/> Interpolated from U.S.G.S. Topographic Map <input type="checkbox"/> DEP's eMAP	Longitude (DD) - . Longitude (DD) - .				
5. U.S.G.S. 7.5 min. topographic quadrangle Name (See Attachment 1-1.1) <i>(Include a copy of the project area on the 7.5 min quad map)</i>					
6. Will the project be conducted as a phased permit project? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Include Master Site Plan Estimated Timetable for Phased Projects. <input type="checkbox"/> Additional sheet(s) attached.					
Phase No. or Name	Description	Total Area	Disturbed Area	Start Date	End Date
7. List existing and previous land use for a minimum of the previous 5 years. (See Section 2 of this ESCGP-3 Application)					
8. Other Pollutants: Will the stormwater discharge contain pollutional substances other than sediment? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
9. Will fuels, chemicals, solvents, other hazardous waste or materials be used or stored on site during earth disturbance activities or will Horizontal Directional Drilling (HDD) activities be conducted? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If yes, Preparedness, Prevention and Contingency (PPC) Plan must be maintained on site during earth disturbance. See NOI Instructions, E.9 PPC Plan Guidance for further information.)</i>					
10. Is the project in the watershed of an impaired surface water where the cause of the impairment is identified as siltation? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (See Section 2-5 of this ESCGP-3 Application) <i>(If yes, show how the project will not result in a net change in volume, rate or water quality. See section I below, and E.10 of NOI instructions.)</i>					
11. Are there potentially hazardous naturally occurring geological or soil conditions in any portion of the project or surrounding area? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, do the potentially hazardous geologic or soil conditions have the potential to cause or contribute to pollution as a result of the proposed earth disturbance activities? If no, provide an explanation. If yes, Geologic Hazard Mitigation Plan must be attached and explain where in this application details are provided.					
12. Has the Act 14 Municipal Notification and proof of receipt of notification been attached to the NOI? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If not, the NOI is not complete, see E.12 and #4 Municipal Notification in the NOI Instructions for additional guidance.)</i>					
13. Has the PNDI receipt been attached to the NOI? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If not, the NOI is not complete, see E.13 and #5 PNHP in the NOI Instructions for additional guidance.)</i>					
14. Have the E&S Plan and PCSM/SR Plan been planned and designed to be consistent? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
15. Have existing and/or proposed Riparian Forest Buffers been identified? Yes <input checked="" type="checkbox"/> N/A <input type="checkbox"/> <i>(If yes, they must be shown on the E&S Plan as well as the PCSM/SR Plans.)</i>					
16. Have antidegradation implementation requirements for special protection waters been addressed? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> <i>(If yes, antidegradation requirements must be included in the plan.)</i>					

17. Has the seasonal high groundwater level been identified and 20-inch separation established at all excavation locations for pits for conventional operations and Well Development Impoundments for unconventional operations?

Yes ☐ No ☐ N/A ☒

<p>18. Receiving Waters</p> <p><u>Effort Loop-</u></p> <p><u>Lake Creek (HQ-CWF,MF)</u></p> <p><u>Princess Run (CWF,MF)</u></p> <p><u>Weir Creek (CWF,MF)</u></p> <p><u>McMichael Creek (EV, MF) and (HQ-CWF)</u></p> <p><u>Pohopoco Creek (CWF,MF)</u></p> <p><u>Sugar Hollow Creek (CWF,MF)</u></p> <p><u>Poplar Creek (EV,CWF,MF)</u></p> <p><u>Mud Run (HQ-CWF, MF)</u></p> <p><u>Mud Pond Run (HQ- CWF,EV,MF)</u></p> <p><u>Tunkhannock Creek (HQ- CWF,MF)</u></p> <p><u>Regional Energy Lateral-</u></p> <p><u>Stony Run (HQ-CWF,MF)</u></p> <p><u>Shades Creek (HQ-CWF,MF)</u></p> <p><u>Little Shades Creek (HQ- CWF,MF)</u></p> <p><u>Snider Run (HQ-CWF,MF)</u></p> <p><u>Meadow Run (HQ-CWF,MF)</u></p> <p><u>Bear Creek (HQ-CWF,MF)</u></p> <p><u>Little Bear Creek (HQ- CWF,MF)</u></p> <p><u>Mill Creek (CWF,MF)</u></p> <p><u>Gardner Creek (CWF,MF)</u></p> <p><u>Susquehanna River (WWF,MF)</u></p> <p><u>Abrahams Creek (CWF,MF)</u></p> <p><u>Toby Creek (CWF,MF)</u></p> <p><u>Trout Brook (CWF,MF)</u></p> <p><u>Compressor Station 515-</u></p> <p><u>Shades Creek (HQ-CWF,MF)</u></p> <p><u>Stony Run (HQ-CWF,MF)</u></p> <p><u>Compressor Station 200-</u></p> <p><u>Valley Creek (EV,MF)</u></p> <p><u>Delaware River Regulator-</u></p> <p><u>Mud Run (CWF, MF)</u></p> <p><u>Mainline "A" Regulator -</u></p> <p><u>Dyers Creek (WWF,MF)</u></p> <p><u>See Attachment 1-1.1 for detailed list.</u></p>	<p>Chapter 93, Designated Use Stream Classification</p> <p><input checked="" type="checkbox"/> HQ <input checked="" type="checkbox"/> EV <input checked="" type="checkbox"/> Other <u>CWF, MF, WWF</u></p> <p><input checked="" type="checkbox"/> Siltation-impaired</p>	<p>Chapter 93, Existing Use Stream Classification</p> <p><input type="checkbox"/> HQ <input checked="" type="checkbox"/> EV <input checked="" type="checkbox"/> Other <u>MF</u></p> <p><input type="checkbox"/> Siltation-impaired</p>
	<p><input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____</p> <p><input type="checkbox"/> Siltation-impaired</p>	<p><input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____</p> <p><input type="checkbox"/> Siltation-impaired</p>

	<input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired <input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired	<input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired <input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired
Secondary Receiving Water	Secondary Chapter 93, Designated Use	Secondary Existing Use
Name of Municipal or Private Separate Storm Sewer Operator, if applicable.		
Non-Surface Receiving Water: (include off-site discharges)		

SECTION F. EROSION AND SEDIMENT CONTROL (E&S) PLAN
See the attached Instructions for additional guidance with E&S Plans

Erosion and Sediment Control Plan BMPs should be designed to minimize accelerated erosion and sedimentation through limiting the extent and duration of earth disturbance, protection of existing drainage and vegetation, limiting soil compaction and controlling the generation of increased runoff. The Department recommends the use of the *Pennsylvania Erosion & Sedimentation Pollution Control Program Manual (E&S Manual)* (363-2134-008) to achieve this goal. The E&S Plan must meet the requirements of Pa. Code § 102.4(b) and submitted with the NOI. Also, see section 2. of the NOI instruction for detailed information on completing the E&S plan and additional requirements.

a. E&S Plan Summary

Provide a summary of proposed E&S BMPs and their performance to manage E&S for the project.

Typical BMPs provided along the pipeline Right-Of-Way includes waterbars, trench plugs, compost filter socks, compost sediment traps, rock filter outlets, erosion control blankets, rock construction entrances, temporary equipment bridges, timber mats, diversion channels, level spreaders, mulch and seed. An appropriate sediment removal device (filter bag, dewatering structure) and well-vegetated area will be utilized for trench dewatering. In HQ, EV watersheds, appropriate Antidegradation Best Available Combination of Technologies (ABACT) BMPs will be utilized. Additional information regarding all the proposed BMPs are provided in the Erosion and Sedimentation Control and Site Restoration Plans of respective project components (Section 2 of this ESCGP-3 Application).

b. E&S Plan BMP Design

Check those that apply:

- ☒ E&S Plan is designed using BMPs in the *E&S Manual*.
- ☐ E&S Plan is designed using an alternative BMP or design standard approved by DEP.

Note: NOI packages submitted with alternate BMPs not approved by the Department will be returned to the Applicant.

c. Do you have any information regarding riparian buffer which differs from Section G, Riparian Buffer?

Yes ☐ No ☒

Explain:

d. Thermal Impacts Analysis

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

Thermal impacts associated with Regional Energy Access Expansion Project will be avoided to the maximum extent possible. Minimum permanent changes in land cover are being proposed for constructing the pipeline facilities. Runoff from impervious areas added during the project will be suitably routed to Stormwater BMPs. Gravel will be used for access roads wherever practicable. To avoid thermal impacts arising from clearing and grading, removal of vegetation will be limited to only that necessary for construction and construction Right-Of-Way will be limited to 75 feet in wetlands and floodways where practical. Once construction activities are complete, disturbed areas will be restored to pre-construction contours and seeded as described in Erosion and Sediment Control and Site Restoration Plans. Temporary workspaces will be restored back with woody and herbaceous species. Thermal impacts assessments corresponding to each project component including pipelines and aboveground facilities are given in Section 2 and 3 of this ESCGP-3 Application.

e. Off-Site Discharge Analysis

Does the activity propose any off-site discharges to areas other than surface waters? ☒ Yes ☐ No

If yes, it is the applicant's responsibility to ensure that they have legal authority for any off-site discharge to neighboring properties.

The applicant must provide a demonstration in both E&S and PCSM/SR plans that the discharge will not cause erosion, damage, or a nuisance to off-site properties.

See Offsite Discharge Analysis Sections in E&S Narratives

SECTION G. RIPARIAN BUFFER

1. Will you be protecting, converting or establishing a voluntary riparian forest buffer as part of this project?
☐ Yes ☒ No
If yes, as part of the PCSM/SR Plan, provide a Buffer Management Plan.
2. Will proposed earth disturbance activities be conducted in an EV or HQ watershed AND within 150 feet of a perennial or intermittent river, stream, or creek, or lake, pond, or reservoir? ☒ Yes ☐ No
If no, proceed to the next section/module.
3. Does this project qualify for an exception (see § 102.14(d)(1))? ☒ Yes ☐ No
If yes, indicate below the type of project for which the exception applies by marking the appropriate box.
☐ Oil and gas activities for which site reclamation or restoration is part of the permit authorization in Chapter 78 and 78a.
☒ Road maintenance activities.
☐ The repair or maintenance of existing pipelines and utilities.
☐ Other (see §102.14(d)(1))
If exceptions are checked, explain how existing riparian buffer will be undisturbed to the extent practicable. Provide a demonstration that the requirements of §102.14(b) are met, or provide the necessary information to request a riparian buffer waiver.
4. Are you requesting a riparian buffer waiver for this project (see § 102.14(d)(2))? ☒ Yes ☐ No
If yes, indicate below the type of project for which you are requesting a waiver by marking the appropriate box.
☒ Linear project that may include pipelines, public roadways, rail lines, or utility lines.
☒ Project is of a temporary nature where the site will be fully restored to its preexisting conditions during the ESCGP permit term.
☒ Project where compliance with mandatory riparian buffers is not appropriate or feasible due to site characteristics or existing structures at the project site.
☐ Other (see §102.14(d)(2)):
If waivers are checked, explain how existing riparian buffers will be undisturbed to the extent practicable.
Note: If "Yes" to #2 **AND** "No" to #3 and #4, provide an attachment to demonstrate how the requirements of §102.14 are met.

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PCSM) AND/OR SITE RESTORATION(SR) PLAN

See NOI Instructions for additional guidance with PCSM Plans

PCSM/SR BMPs should be designed to use natural measures to eliminate pollution, infiltrate runoff, not require extensive construction/maintenance, promote pollutant reduction, and preserve the integrity of stream channels. All PCSM/SR BMPs proposed in the PCSM/SR Plan must be designed in accordance with Ch. 102, Ch. 78a for unconventional operations, Ch. 78 for conventional operations and the *Pennsylvania Stormwater Best Management Practices Manual (Stormwater BMP Manual)* (363-0300-002). If alternate design criteria are utilized for the proposed project, they must have prior approval by the Department, or the NOI Application will be returned to the Applicant.

After construction is completed, how much of the entire disturbed area will be restored to meadow in good condition or better, or existing conditions? ☐ All ☒ Partial ☐ None

Include PCSM narrative and drawings for remaining impervious area. Also include a map showing the proposed contours of the site restoration plan.

If there are additional stages of the project prior to permit termination or expiration, list the stages and provide the documents required by subsection 'a' to section 'g' for each stage (e.g. partial restoration or changes to the amount of compacted areas, gravel, and/or impervious areas). Upload a narrative for each additional stage in addition to the drawings.

EXAMPLE

Stage No	Stage Name	PCSM Plan	SR Plan
Stage 1		<input type="checkbox"/>	<input type="checkbox"/>
Stage 2		<input type="checkbox"/>	<input type="checkbox"/>
Stage 3		<input type="checkbox"/>	<input type="checkbox"/>
Stage 4		<input type="checkbox"/>	<input type="checkbox"/>

Act 167 Consistency. Check those that apply.

Is there an Act 167 Plan? ☒ Yes ☐ No

☒ The attached PCSM/SR Plan is consistent with an applicable approved Act 167 Plan.

Complete the following for all approved Act 167 Stormwater Management Plans. (Use additional sheets if necessary)

Act 167 Plan Name _____ Date Adopted _____ Consistency Letter Included ☐

Luzerne County Stormwater August 18, 2010 Verification Report Included ☒

Management Ordinance

Valley Creek Watershed Stormwater February 04, 2011

Management Plan

Note: A consistency letter is not required if a verification report is provided. See NOI Instructions. The PCSM/SR Plan must satisfy either sub paragraph 1, 2, or 3 below. Check those that apply.

1. ☒ Act 167 Plan approvals on or after January 2005 – The attached PCSM/SR Plan, in its entirety, is consistent with all requirements pertaining to rate, volume, and water quality from an Act 167 Stormwater Management Plan approved by DEP on or after January 2005. Box 1 must be checked if a current, DEP approved Act 167 plan exists.
2. ☒ The PCSM/SR Plan meets the standard design criteria from sections 102.8(g)(2) and (3) and the *Stormwater BMP Manual*. For projects involving oil and gas activities authorized by a permit issued under Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure, post construction stormwater management requirements are met for all areas that are restored to preconstruction conditions or to a condition of meadow in good condition or better. *[Note: PCSM plans must meet both the volume and rate requirements in the regulations, which are provided in the 2 sections mentioned in this paragraph].*
3. ☐ Alternative Design Standard – The attached PCSM/SR Plan was developed using approaches as provided in 102.8(g)(2)(iv) and 102.8(g)(3)(iii). Demonstrate/explain in the space provided below how this standard will be either more protective than what is required in 102.8(g)(2) and 102.8(g)(3) or will maintain and protect existing water quality and existing and designated uses.

PCSM/SR BMP Alternative Standards:

Has the alternative BMP or design standard been approved by the Department?

☐ Yes

☐ No – Do not submit the ESCGP-3 application and see Section (H) of the NOI Instructions concerning the alternative BMP approval process.

Water Quality Compliance:

Does the PCSM/SR plan comply with requirements for volume control? ☒ Yes ☐ No

If yes, is at least 90% of the disturbed area controlled by a PCSM BMP? ☒ Yes ☐ No

If yes, do you have the Standard PCSM Worksheet # 10 attached to show water quality compliance has achieved?

☒ Yes ☐ No

If no, attach Standard PCSM Worksheets # 12 and #13 to show water quality compliance has achieved.

If PCSM/SR plan is not complying with the requirements for volume control, attach Standard PCSM Worksheets # 11, # 12 and #13 to show water quality compliance has achieved.

a. PCSM/SR Plan Summary

Provide a summary of proposed BMPs and their performance to manage PCSM/SR for the project.

Along the pipeline Right-Of-Way, typical E&S BMPs such as waterbars and erosion control blanket will be left in place as part of site restoration. After construction activities are completed, temporary workspaces will be restored to meadow in good condition or better than existing conditions. For the aboveground facilities, PCSM BMPs such as infiltration basins, diversion channels and vegetated swales will be used and left in place as part of site restoration. Additional information regarding all the proposed BMPs are provided in the Post-Construction Stormwater Management Plans of respective project components (Section 3 of this ESCGP-3 Application).

Check all that apply ☒ PCSM BMPs ☒ SR BMPs

b. Do you have any information regarding riparian buffer which differs from what was submitted in the Section G, Riparian Buffer?

☐ Yes ☒ No

Explain:

c. Thermal Impacts Analysis

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

Runoff collected in PCSM BMPs such as infiltration basins will mitigate thermal impacts from post construction stormwater. Runoff collected in infiltration basins are discharged to receiving waters are not expected to be retained for more than 24 hours. Minimum permanent changes in land cover are being proposed for constructing the pipeline facilities. Gravel will be used for access roads wherever practicable. Removal of trees and riparian vegetation and addition of impervious surfaces will be limited to only that necessary for construction. Once construction activities are complete, disturbed areas will be restored to pre-construction contours and seeded as described in Erosion and Sedimental Control and Site Restoration Plans. Temporary workspaces will be restored back with woody and herbaceous species. Thermal impacts assessments corresponding to each project component including pipelines and aboveground facilities are given in Section 2 and 3 of this ESCGP-3 Application.

d. Off-Site Discharge Analysis.

Does the activity propose any off-site discharges to areas other than surface waters? ☒ Yes ☐ No

If yes, it is the applicant's responsibility to ensure that they have legal authority for any off-site discharge to neighboring properties.

The Applicant must provide a demonstration in both the E&S and PCSM/SR Plans that the discharge will not cause erosion, damage, or a nuisance to off-site properties.

See Offsite Discharge Analysis Sections in PCSM Narratives

NOI Section H. POST CONSTRUCTION STORMWATER MANAGEMENT (PCSM) PLANS

Summary Calculations of Post Construction Stormwater BMPs

1. Regional Energy Lateral Pipeline - MLV-515RA20
2. Regional Energy Lateral Pipeline - MLV-515RA30
3. Regional Energy Lateral Pipeline - Carverton Tie-in
4. Regional Energy Lateral Pipeline - Lower Demunds REL Tie-in
5. Regional Energy Lateral Pipeline – Hildebrandt Tie-in/MLV-515RA40
6. Effort Loop Pipeline - MLV-505LD86
7. Compressor Station 200
8. Compressor Station 515

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - MLV-515RA20 - Zenker Valve Yard

e. Summary Table for Supporting Calculation and Measurement Data
(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Mill Creek			
Volume Control design storm frequency 2-year Rainfall amount 2.95 inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.19	+0.19
Volume of stormwater runoff (acre- feet) without planned stormwater BMPs	0.04	0.06	+0.02
Volume of stormwater runoff (acre- feet) with planned stormwater BMPs		0.03	-0.01
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	3.51	3.22	-0.29
2) 10-Year/24-Hour	6.82	6.17	-0.65
3) 50-year/24-Hour	11.88	11.12	-0.76
4) 100-year/24-Hour	14.91	14.91	-0.00

f. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Vegetated Swale	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input checked="" type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ <u>1,396cf(2-yr);</u> <u>6,186cf(100-yr)</u>	_____ _____ <u>0.28</u>
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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g. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Dry Extended Detention Basin area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Channels to ensure they have been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Dry Extended Detention Basin to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Dry Extended Detention Basin the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. At completion of Collection Channel C1 to ensure it has been constructed to the proposed line and grade, the specified lining material has been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
6. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to Collection Channel C1.
7. For final inspection of constructed BMPs.
8. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL GENERAL PERMIT (ESGCP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR TRANSMISSION FACILITIES

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - MLV-515RA30 - Wyoming Valve Yard

b. Summary Table for Supporting Calculation and Measurement Data (See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Susquehanna-Solomon Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>2.57</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.24	+0.24
Volume of stormwater runoff (acre- feet) without planned stormwater BMPs	0.03	0.06	+0.03
Volume of stormwater runoff (acre- feet) with planned stormwater BMPs		0.03	-0.00
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.22	0.02	-0.20
2) 10-Year/24-Hour	0.68	0.03	-0.65
3) 50-year/24-Hour	1.52	0.06	-1.46
4) 100-year/24-Hour	2.06	0.07	-1.99

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Soil Amendment	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>451cf(2-yr);</u> <u>2,511cf(100-yr)</u> _____ _____ _____ _____	_____ <u>0.21</u> _____ _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input checked="" type="checkbox"/> Other <u>Vegetated Swale</u>	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	 <u>1,009cf(2-yr):</u> <u>4,264cf(100-yr)</u>	 <u>0.49</u>
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Vegetated Swale area has been flagged and fence erected to prevent access to the area.
2. At the beginning of construction of the Vegetated Swale to ensure the infiltration area has not been compacted by construction activities.
3. During construction of the Vegetated Swale the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
4. At completion of Collection Channel C1 to ensure it has been constructed to the proposed line and grade, the specified lining material has been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the infiltration berm.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - Carverton Tie-In

<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i></p> <p>The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Abrahams Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>2.61</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.03	0.11	+0.08
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.02	0.03	+0.01
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.00	-0.02
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.46	0.00	-0.46
2) 10-Year/24-Hour	0.91	0.00	-0.91
3) 50-year/24-Hour	1.61	0.00	-1.61
4) 100-year/24-Hour	2.01	0.00	-2.01

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>1,280cf (2-yr);</u> <u>4,445cf(100-yr)</u>	_____ _____ _____ _____ <u>0.26</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. At the beginning of construction to ascertain the Infiltration Berm area has been flagged and fence erected to prevent access to the area.
2. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the infiltration berm.
3. At the beginning of construction of the Infiltration Berm to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the infiltration berm the licensed professional will observe that the berm is constructed in accordance with the plans and specifications.
5. For final inspection of constructed BMPs.
6. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - Lower Demunds REL Tie-In

<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i></p> <p>The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Toby Creek			
Volume Control design storm frequency 2-year Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.12	+0.12
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.02	0.04	+0.02
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.01	-0.01
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.20	0.00	-0.20
2) 10-Year/24-Hour	0.40	0.00	-0.40
3) 50-year/24-Hour	0.71	0.20	-0.51
4) 100-year/24-Hour	0.89	0.51	-0.38

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>1,481cf(2-yr);</u> <u>4,356cf(100-yr)</u> _____ _____ _____	_____ <u>0.17</u> _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Valve Yard Pad area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Berm/Channel to ensure it has been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Valve Yard Pad to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Valve Yard Pad the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the outlet structure.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline – MLV-515RA40-Hildebrandt Tie-In

b. Summary Table for Supporting Calculation and Measurement Data

(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Toby Creek

Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.0	0.22	+0.22
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.03	0.07	+0.04
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.01	-0.02
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.34	0.20	-0.14
2) 10-Year/24-Hour	0.67	0.38	-0.29
3) 50-year/24-Hour	1.20	0.65	-0.55
4) 100-year/24-Hour	1.52	0.80	-0.72

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Vegetated Swale	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>2,265cf(2-yr);</u> <u>5,881cf(100-yr)</u>	_____ <u>0.21</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____

<input type="checkbox"/> Roadside Vegetated Filter Strips		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Stormwater Energy Dissipaters	Infiltration/Recharge			
<input type="checkbox"/> Level Spreaders		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Riprap Aprons		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Upslope Diversions		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Other _____		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____

d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Valve Yard Pad area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Channel to ensure it has been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Valve Yard Pad to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Valve Yard Pad the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the outlet structure.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Effort Loop Pipeline-MLV-505LD86 Sugar Hollow Valve Yard

<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i> The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Pohopoco Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.26</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.09	0.62	+0.53
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.35	0.44	+0.09
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.28	-0.07
Stormwater discharge rate for the design frequency storm DA-1	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.01	0.01	-0.00
2) 10-Year/24-Hour	0.37	0.31	-0.06
3) 50-year/24-Hour	5.89	4.21	-1.68
4) 100-year/24-Hour	11.47	8.28	-3.19
Stormwater discharge rate for the design frequency storm DA-2	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	4.51	3.97	-0.54
2) 10-Year/24-Hour	12.49	12.28	-0.21
3) 50-year/24-Hour	26.58	24.35	-2.23
4) 100-year/24-Hour	35.41	31.74	-3.67

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input checked="" type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ <u>1,123cf(2-yr);</u> <u>21,318cf(100-yr)</u> _____ <u>5,915cf(2-yr);</u> <u>26,924cf(100-yr)</u>	_____ _____ <u>2.85</u> _____ <u>1.54</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. For the final grading of the access road, ensuring it is constructed according to the plan details for proper conveyance of runoff.
2. Following final grading and seeding of the diversion channels and basin, in order to confirm they have been constructed according to the plan details for proper collection and conveyance of runoff. Periodic assessments will need to be made to ensure accumulated sediment have been cleaned out so the channels and basin maintain the necessary design volumes.
3. During the layout and excavation of the outlet control structure, the professional or delegate will ensure sizing, materials specifications, and construction procedures are followed to enable proper storage in the basin.
4. Following final grading and seeding of the infiltration berm in order to confirm they have been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessment will need to be made to ensure that accumulated sediment have been cleaned out so the area behind the berm maintains the necessary design volume.
5. For final inspection of constructed channels, basin and berms.
6. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Compressor Station 200

b. Summary Table for Supporting Calculation and Measurement Data

(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Valley Creek

Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.30</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.25	0.40	+0.15
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.07	0.11	+0.04
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.07	-0.00
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	1.03	0.15	-0.88
2) 10-Year/24-Hour	2.06	1.39	-0.67
3) 50-year/24-Hour	3.19	2.79	-0.40
4) 100-year/24-Hour	3.97	3.50	-0.47

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>3,790cf(2-yr);</u> <u>11,631cf(100-yr)</u>	_____ _____ _____ _____ <u>0.56</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Following final grading and seeding of the infiltration berm in order to confirm it has been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessments will need to be made to ensure that accumulated sediment should be cleaned out so the channels and berm maintain necessary design volume.
2. For final inspection of constructed BMPs.
3. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E & S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESGCP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Compressor Station 515

<p align="center">b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i></p> <p>The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Bear Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.34	2.44	+2.10
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.50	0.81	+0.31
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.18	-0.32
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	5.46	1.76	-3.70
2) 10-Year/24-Hour	10.19	8.30	-1.89
3) 50-year/24-Hour	16.85	9.55	-7.30
4) 100-year/24-Hour	20.81	9.58	-11.23

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>31,799cf(2-yr):</u> <u>96,268cf(100-yr)</u>	_____ _____ _____ _____ <u>3.83</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

- Following final grading and seeding of the collection channels and infiltration berm in order to confirm they have been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessments will need to be made to ensure that accumulated sediment should be cleaned out so the channels and berm maintain necessary design volume.
- For final inspection of constructed BMPs.
- At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E & S controls.

SECTION I. ANTIDEGRADATION ANALYSIS

This section must be completed where earth disturbance activities will be conducted in the watershed of a surface water with an existing or designated use of exceptional value or high quality pursuant to Chapter 93 (relating to water quality standards), projects where any part is located in an exceptional value wetland in accordance with 25 Pa. Code § 105.17, and projects where any part is located in the watershed of an impaired surface water where the cause of impairment is identified as siltation.

Part 1 - NONDISCHARGE ALTERNATIVES EVALUATION

The applicant must consider and describe any and all non-discharge alternatives for the entire project area which are environmentally sound and will:

- Minimize accelerated erosion and sedimentation during the earth disturbance activity
- Achieve no net change from pre-development to post-development volume, rate and concentration of pollutants in water quality

E & S Plan	PCSM/SR Plan
<p>Check off the environmentally sound nondischarge Best Management Practices (BMPs) listed below to be used prior to, during, and after earth disturbance activities that have been incorporated into your E & S Plan based on the site analysis. For non-discharge BMPs not checked, provide an explanation of why they were not utilized. Also for BMPs checked, provide an explanation of why they were utilized. (Provide the analysis and attach additional sheets if necessary)</p> <p>See Section 2 of this ESCGP-3 Application</p>	<p>Check off the environmentally sound nondischarge Best Management Practices (BMPs) listed below to be used after construction that have been incorporated into the PCSM/SR Plan based on your site analysis. For non-discharge BMPs not checked, provide an explanation of why they were not utilized. Also for BMPs checked, provide an explanation of why they were utilized. (Provide the analysis and attach additional sheets if necessary)</p> <p>See Section 3 of this ESCGP-3 Application</p>
<p>Nondischarge BMPs</p> <div style="margin-left: 20px;"> <input type="checkbox"/> Alternative Siting <div style="margin-left: 20px;"> <input type="checkbox"/> Alternative location <input type="checkbox"/> Alternative configuration <input type="checkbox"/> Alternative location of discharge </div> <input checked="" type="checkbox"/> Limited Disturbed Area <input type="checkbox"/> Limiting Extent & Duration of Disturbance (Phasing, Sequencing) <input type="checkbox"/> Riparian Buffers (150 ft. min.) <input type="checkbox"/> Riparian Forest Buffer (150 ft. min.) <input type="checkbox"/> Other _____ </div>	<p>Nondischarge BMPs</p> <div style="margin-left: 20px;"> <input type="checkbox"/> Alternative Siting <div style="margin-left: 20px;"> <input type="checkbox"/> Alternative location <input type="checkbox"/> Alternative configuration <input type="checkbox"/> Alternative location of discharge </div> <input type="checkbox"/> Low Impact Development (LID / BSD) <input type="checkbox"/> Riparian Buffers (150 ft. min.) <input type="checkbox"/> Riparian Forest Buffer (150 ft. min.) <input checked="" type="checkbox"/> Infiltration <input type="checkbox"/> Water Reuse <input type="checkbox"/> Other _____ </div>
<p>Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality during construction?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, antidegradation analysis is complete. If no, proceed to Part 2.</p>	<p>Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality after construction?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, antidegradation analysis is complete. If no, proceed to Part 2.</p>

PART 2 - ANTIDEGRADATION BEST AVAILABLE COMBINATION OF TECHNOLOGIES (ABACT)

If the net change in stormwater discharge from or after construction is not fully managed by nondischarge BMPs, the applicant must utilize ABACT BMPs to manage the difference. The Applicant must specify whether the discharge will occur during construction, post-construction or both, and identify the technologies that will be used to ensure that the discharge will be a non-degrading discharge. ABACT BMPs include but are not limited to:

E & S Plan	PCSM/SR Plan
<p><input checked="" type="checkbox"/> Treatment BMPs:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Sediment basin with skimmer <input type="checkbox"/> Sediment basin ratio of 4:1 or greater (flow length to basin width) <input type="checkbox"/> Sediment basin with 4-7 day detention <input type="checkbox"/> Flocculants <input checked="" type="checkbox"/> Compost Filter Socks <input checked="" type="checkbox"/> Compost Filter Sock Sediment Basin <input checked="" type="checkbox"/> RCE w/ Wash Rack <p><input checked="" type="checkbox"/> Land disposal:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Vegetated filters <input type="checkbox"/> Riparian buffers <150ft. <input type="checkbox"/> Riparian Forest Buffer <150ft. <input checked="" type="checkbox"/> Immediate stabilization <p><input checked="" type="checkbox"/> Pollution prevention:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> PPC Plans <input checked="" type="checkbox"/> Street sweeping <input checked="" type="checkbox"/> Channels, collectors and diversions lined with permanent vegetation, rock, geotextile or other non-erosive materials <p><input type="checkbox"/> Stormwater reuse technologies:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Sediment basin water for dust control <input type="checkbox"/> Sediment basin water for irrigation <p><input type="checkbox"/> Other _____</p>	<p><input checked="" type="checkbox"/> Treatment BMPs:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Infiltration Practices <input type="checkbox"/> Wet ponds <input type="checkbox"/> Created wetland treatment systems <input checked="" type="checkbox"/> Vegetated swales <input type="checkbox"/> Manufactured devices <input checked="" type="checkbox"/> Bio-retention/infiltration <input type="checkbox"/> Green Roofs <p><input type="checkbox"/> Land disposal:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Vegetated filters <input type="checkbox"/> Riparian Buffers <150ft. <input type="checkbox"/> Riparian Forest Buffer <150ft. <input type="checkbox"/> Disconnection of roof drainage <input type="checkbox"/> Bio-retention/bio-infiltration <p><input checked="" type="checkbox"/> Pollution prevention:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Street sweeping <input type="checkbox"/> Nutrient, pesticide, herbicide or other chemical application plan alternatives <input checked="" type="checkbox"/> PPC Plans <input checked="" type="checkbox"/> Non-structural Practices <input checked="" type="checkbox"/> Restoration BMPs <p><input type="checkbox"/> Stormwater reuse technologies:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Divert rainwater into impoundment <input type="checkbox"/> Underground storage <p><input type="checkbox"/> Spray/Drip Irrigation</p> <p><input type="checkbox"/> Other _____</p>
<p>Are the ABACT BMPs selected sufficient to minimize E&S discharges to the extent that existing or designated surface water uses are protected?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.</p>	<p>Are the ABACT BMPs selected sufficient to achieve no net change and assure that existing or designated surface water uses are protected?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.</p>

SECTION J. COMPLIANCE HISTORY REVIEW

Is/was the applicant(s) in violation of any Department regulation, order, schedule of compliance or permit or in violation of any department regulated activities within the past five years?

☒ Yes ☐ No

If yes, provide the permit number or facility name, a brief description of the violation, the compliance schedule (including dates and steps to achieve compliance) and the current compliance status. (Attach additional information on a separate sheet, when necessary)

Permit Program or Activity: Chapter 102, Chapter 105, PAG-10

Permit Number (if applicable):

1. ESG03000150001, ESG00350150001, ESG00081150001
2. E41-649
3. E-19-311, E36-947, E-38-195, E40-769, E49-336, E54-360, E58-315, E66-160, E41-667, E18-495,
4. PAG109632

Brief Description of non-compliance:

Consent Assessment of Civil Penalty, Reports past due.

Steps taken to achieve compliance

1. Consent Assessment of Civil Penalty
2. Consent Assessment of Civil Penalty. Permits being obtained to complete channel restoration
3. Consent Assessment of Civil Penalty
4. All past due reports were provided to PADEP

Date(s) compliance achieved

1. 9/20/2020
2. 8/9/2020
3. 9/20/2020
4. 12/14/2017



Current Compliance Status: ☒ In-Compliance

☐ In Non-Compliance

If in non-compliance, attach schedule for achieving compliance.

SECTION K. CERTIFICATION BY PERSON PREPARING E&S AND PCSM/SR PLANS

I do hereby certify to the best of my knowledge, information, and belief, that the Erosion and Sediment Control and PCSM/Site Restoration Plans are true and correct, represent actual field conditions, and are in accordance with the 25 Pa. Code Chapters 78/78a and 102 of the Department's rules and regulations. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Print Name Kevin C. Clark	Signature 	Professional Seal 	
Company BAI Group, LLC			
Address 2525 Green Tech Drive, Suite D, State College, PA-16803			
Phone (814) 238-2060			
Most Recent DEP Training Attended	Location		Date
e-Mail Address kclark@baigroupllc.com			

EXPEDITED REVIEW PROCESS

In addition to the certification required above, applicants using the expedited permit review process must attach an E&S and PCSM/Site Restoration Plans developed and sealed by a licensed professional engineer, surveyor or professional geologist. The plans shall contain the following certification:

I do hereby certify to the best of my knowledge, information, and belief, that the E & S Control and PCSM/SR BMPs are true and correct, represent actual field conditions and are in accordance with the 25 Pa. Code Chapters 78 / 78a and 102 of the Department's rules and regulations. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SECTION L. APPLICANT CERTIFICATION

Applicant Certification

I certify under penalty of law, as provided by 18 Pa. C.S.A. § 4904, that this application and all related attachments were prepared by me or under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my own knowledge and on inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. The responsible official's signature also verifies that the activity is eligible to participate in the ESCGP, and that the applicant agrees to abide by the terms and conditions of the permit. BMP's, E&S Plan, PPC Plan, PCSM Plan, and other controls are being or will be, implemented to ensure that water quality standards and effluent limits are attained.

I grant permission to the agencies responsible for the permitting of this work, or their duly authorized representative to enter the project site for inspection purposes. I will abide by the conditions of the permit if issued and will not begin work prior to permit issuance.

(For individuals no indication of title is necessary, choose the box below. All others proceed to the next paragraph)

☐ **Individual; proceed to signature portion.**

I hereby certify under penalty of law, as provided by 18 Pa. C.S.A. § 4904, that I am the person who is responsible for decision-making regarding environmental compliance functions for Transcontinental Gas Pipeline Company, LLC, the manager of one or more manufacturing, production, or operating facilities of the applicant and am authorized to make management decisions which govern the operation of regulated facility including having explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure the applicant's long term environmental compliance with environmental laws and regulations; and I am responsible for ensuring that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements.

(choose one of the following; not applicable for individuals):

☐ The responsible corporate officer ☐ president ☐ vice president ☐ secretary
☐ treasure of _____ Corporation/Company
Entity name

☒ The ☐ member or ☒ manager of Transcontinental Gas Pipe Line Company, LLC
Entity name

☐ The general partner of _____ partnership/LP/LLP
Entity name

☐ The principal executive officer or ranking elected official of _____ Municipality/State/Federal/other public
agency
Entity name

☐ Power of Attorney/delegation of contractual authority (documentation supporting delegation of contracting
authority must be provided) for _____
Entity name

Print Name and Title of Applicant

Print Name and Title of Co-Applicant (if applicable)

Signature of Applicant

Signature of Co-Applicant

Date Application Signed

Date Application Signed

Notarization

Sworn to and subscribed to before me this

Commonwealth of Pennsylvania

_____ day of _____, 20_____

County of _____

Notary Public

My Commission expires _____

AFFIX SEAL

SECTION M. ADDITIONAL CONTACT INFORMATION			
Contact's Last Name	First Name	MI	Phone (814) 689-1650
Nelson	Ryan	J	FAX
Mailing Address	City	State	ZIP + 4
2525 Green Tech Drive, Suite B	State College	PA	16803
e-Mail Address ryann@whmgroup.com			

Section 1-1.1 NOI Supporting Information

Project Component	Site	Site Location City	ZIP Code	County	Municipality	Total Project Area/Project Site (Acre)	Total Disturbed Area (Acre)	Latitude / Longitude	U.S.G.S. 7.5 min. Topographic Quadrangle	Receiving Waters	Chapter 93, Designated Use Stream Classification	Chapter 93, Existing Use Stream Classification	Siltation Impaired
Regional Energy Lateral	Pipeline			Luzerne	Buck, Bear Creek, Plains, Jenkins, Kingston, Dallas, Wyoming, West Wyoming, Laflin	952.63	420.67 (includes CS 515 and sites below)	41.173337, -75.671706 (eastern terminus) 41.346917, -75.946263 (western terminus)	Kingston, Pittston, Avoca, Wilkes-Barre East, Pleasant View Summit	Stony Run, Shades Creek, Little Shades Creek, Snider Run, Meadow Run, Bear Creek, Little Bear Creek, Mill Creek, Gardner Creek, Susquehanna River, Abrahams Creek, Toby Creek, Trout Brook	MF, HQ-CWF, WWF, CWF	-	No
	CY-LU-001	Wyoming	18644	Luzerne	Wyoming		16.3 (Included within above total)	41.31016, -75.84636		Abrahams Creek	CWF, MF	-	No
	CY-LU-002	Wilkes-Barre	18702	Luzerne	Laflin		11.4 (Included within above total)	41.28491, -75.79026		Gardner Creek	CWF, MF	-	No
	MLV-515RA20	Wilkes-Barre	18702	Luzerne	Bear Creek Township		0.46 (Included within above total)	41.25279, -75.75856		Mill Creek	CWF, MF	-	No
	MLV-515RA30	Wyoming	18644	Luzerne	Wyoming Borough		0.44 (Included within above total)	41.30411, -75.84662		Susquehanna River	WWF		No
	Carverton Tie-in	Wyoming	18644	Luzerne	West Wyoming Borough		3.9 (Included within above total)	41.32053, -75.87270		Abrahams Creek	CWF, MF		No
	Lower Demunds REL Tie-in	Dallas	18612	Luzerne	Dallas Township		1.7 (Included within above total)	41.34652, -75.94551		Trout Brook	CWF, MF		No
	Hildebrandt Tie-in/MLV-515RA40	Dallas	18612	Luzerne	Dallas Township		3.1 (Included within above total)	41.34692, -75.94629		Toby Creek, Trout Brook	CWF, MF		No
	Laflin Borough Stream Stabilization	Wilkes-Barre	18702	Luzerne	Laflin Borough		0.94 (Included within above total)	41.28925, -75.80209		Gardner Creek	CWF, MF	-	No
Effort Loop	Pipeline			Monroe	Ross, Chestnuthill, Tunkhannock	360.63	262.18	40.896796, -75.370606 (Southeast Terminus) 41.053413, -75.526178 (Northwest Terminus)	Blakeslee, Pocono Pines, Brodheads ville, Saylorsburg	Lake Creek, Princess Run, Weir Creek, McMichael Creek, Pohopoco Creek, Sugar Hollow Creek, Poplar Creek, Mud Run, Mud Pond Run, Tunkhannock Creek	EV, MF, HQ-CWF, CWF	EV, MF	No

Regional Energy Access Expansion Project
ESCGP-3 Permit Application
Transcontinental Gas Pipe Line Company, LLC
Section 1-1.1 NOI Supporting Information

Project Component	Site	Site Location City	ZIP Code	County	Municipality	Total Project Area/Project Site (Acre)	Total Disturbed Area (Acre)	Latitude / Longitude	U.S.G.S. 7.5 min. Topographic Quadrangle	Receiving Waters	Chapter 93, Designated Use Stream Classification	Chapter 93, Existing Use Stream Classification	Siltation Impaired
	MLV-505LD86 Sugar Hollow Valve Yard	Effort	18330	Monroe	Chestnut Hill Township		8.8 (Included within above total)	40.96775, -75.42980		Sugar Hollow Creek	CWF, MF	-	No
	CY-MO-001	Saylorsburg	18353	Monroe	Ross Township		50.1 (Included within above total)	40.89803, -75.36784		Lake Creek, Princess Run	HQ-CWF, MF, CWF	-	No
Delaware River Regulator		Easton	18040	Northampton	Lower Mt. Bethel	11.28	3.25	40.76220 -75.19653	Bangor, PA	Mud Run	CWF, MF	-	No
Mainline “A” Regulator		Washington Crossing	18977	Bucks	Lower Makefield	0.94	0.530	40.26807, -74.85712	Pennington, NJ-PA	Dyers Creek, Delaware River	MF, WWF	-	No
Compressor Station 200		Frazer	19335	Chester	East Whiteland	20.28	3.16	40.04998, -75.58589	Malvern, PA	Valley Creek	EV, MF, CWF	-	Yes
Compressor Station 515		White Haven	18661	Luzerne	Buck	952.63 (Included with Regional Energy Lateral)	24.83 (included with Regional Energy Lateral)	41.17380, -75.67118	Pleasant View Summit, PA	Shades Creek, Stony Run	HQ-CWF, MF	-	No

SECTION 1.6.4
NORTHAMPTON COUNTY
(DELAWARE RIVER REGULATOR)



MUNICIPAL NOTIFICATION OF PLANNED LAND DEVELOPMENT FOR CHAPTER 102 PERMITS

PROJECT INFORMATION (COMPLETED BY APPLICANT)

Applicant Name:	Transcontinental Gas Pipe Line Company, a subsidiary of Williams Partners, L.P.	Contact Name:	Joseph Dean Manager-Permitting
Applicant Address:	2800 Post Oak Blvd, Level 11	Contact Phone:	(713) 215-3427
Applicant City, State, ZIP:	Houston, TX 77056	County:	Northampton
Description of Proposed Land Development and Stormwater Controls:		Municipality:	Lower Mt. Bethel
<p>The existing Delaware River Regulator component of the Regional Energy Access Expansion Project is proposed to upsize the existing control valves. E&S BMP's are proposed.</p>		Project Area:	11.28 acres <input type="checkbox"/> Phased
		Disturbance:	3.25 acres

Tax Parcel ID(s) Affected by Proposed Land Development:

**H10 7 2 0117, H10 6 15 0117, H10 6 15A 0117, H10 7 1A 0117,
H10 7 3 0117**

Surface Waters Receiving Stormwater Discharges:

Mud RunDischarge to: ☐ MS4 ☐ Other SS ☐ CSS

The following information was submitted to the municipality for this project:

☐ Land Development / Subdivision Plan ☒ E&S Plan ☐ PCSM Plan ☐ Other:

***On March 31, 2021 Transco submitted to you its E&S and PCSM Plans (Plans) as part of the ESCGP-3 permit application notification. The purpose of this notice is to let you know that Transco will be submitting an Erosion and Sediment Control Permit for Discharges of Stormwater Associated with Construction Activities Application to the PA Dept. of Environmental Protection to replace the ESCGP-3 application. Please refer to the previously submitted Plans.**

MUNICIPAL PLAN / ORDINANCE INFORMATION (COMPLETED BY MUNICIPALITY)

1. Is there an adopted municipal or multi-municipal comprehensive plan? ☐ Yes ☐ No
2. Is there an enacted municipal or multi-municipal zoning ordinance? ☐ Yes ☐ No
3. If Yes to #2, is the proposed project consistent with the ordinance? ☐ Yes ☐ No
4. Is there a municipal stormwater management ordinance? ☐ Yes ☐ No
5. If Yes to #4, is the proposed project consistent with the ordinance, without waiver? ☐ Yes ☐ No
6. If Yes to #4, indicate type of ordinance: ☐ Act 167 Model Ordinance ☐ DEP Model Ordinance (MS4s) ☐ Other


APPLICANT CERTIFICATION

I certify under penalty of law (see 18 Pa.C.S. § 4904 (relating to unsworn falsification)) that the information reported herein was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the information, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

MUNICIPAL ACKNOWLEDGEMENT

The municipality acknowledges that a permit application for the above-referenced project has been submitted to a reviewing agency and that notification requirements of Act 14 of 1984 and Acts 67, 68, and 127 of 2000 have been satisfied. The information reported herein by the municipality is true and accurate. The municipality reserves the right to comment to the reviewing agency relative to comprehensive plans, zoning, and stormwater ordinance consistency. Municipal acknowledgment of receipt of notification shall not be construed as project approval.

Joseph Dean

Applicant Name**Applicant Signature**

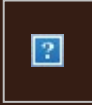
Manager - Permitting

Applicant Title

07/01/2021

Date of Signature**Municipal Representative Name****Municipal Representative Signature****Municipal Representative Title****Date of Signature**

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March 31, 2021

UPS TRACKING (1Z8797VV0391371332)

Lower Mount Bethel Township Supervisors
2004 Hutchison Avenue
Bangor, PA 18013

Re: Regional Energy Access Expansion Project – Delaware River Regulator
Pennsylvania Acts 14, 67, 68, and 127 Notification
Lower Mount Bethel Township, Northampton County, Pennsylvania

Dear Township Supervisors:

This municipal notice, under the requirements of Act 14, 97 P.S. § 510-5, is to inform you that Transcontinental Gas Pipe Line Company, LLC (Transco), a subsidiary of The Williams Companies, Inc. (Williams) is applying for coverage under the Erosion and Sediment Control General Permit (ESCGP-3) for Earth Disturbance Associated with Oil & Gas Exploration, Production, Processing or Treatment Operations or Transmission Facilities from the Pennsylvania Department of Environmental Protection (DEP).

1) Project Name: Regional Energy Access Expansion Project – Delaware River Regulator

2) Project Description: Transco, indirectly owned by The Williams Companies, Inc. (Williams), is seeking authorization from the Federal Energy Regulatory Commission (FERC or Commission) under Section 7(c) of the Natural Gas Act and Part 157 of the Commission's regulations, to construct, own, operate, and maintain the proposed Project facilities. The Project is an expansion of Transco's existing natural gas transmission system that will enable Transco to provide an incremental 829,400 dekatherms per day (Dth/d) of year-round firm transportation capacity from the Marcellus Shale production area in northeastern Pennsylvania (PA) to multiple delivery points along Transco's Leidy Line in PA, Transco's mainline at the Station 210 Zone 6 Pooling Point in Mercer County, New Jersey (NJ) and multiple delivery points in Transco's Zone 6 in NJ, PA, and Maryland (MD).

The existing Delaware River Regulator component of the Project is located in Lower Mt. Bethel Township, Northampton County. Proposed are facility modifications to upsize the existing control valves.

3) Applicant Name: Transcontinental Gas Pipe Line Company, LLC's (Transco), a subsidiary of Williams Partners L.P. (Williams)

4) Applicant Contact: Joseph Dean
Environmental Manager
2800 Post Oak Blvd, Level 11
Houston, TX 77056
(713) 215-3417

5) Site Location: The proposed Project is located on the Bangor, Pennsylvania, 7.5 Minute USGS quadrangle at 40°45'43.76"N, 75°11'47.46"W.

6) Municipality / County: Lower Mount Bethel Township, Northampton County

Act 14, which amended the Commonwealth's Administrative Code (71 P.S. § 510-5), requires every applicant for a new, amended, or revised permit to give written notice to each municipality (borough, township) and county government in which the facility is located. The municipality and county government must receive the written notice at least thirty (30) - days before DEP may issue or deny approval of coverage.

Enclosed is a complete copy of the Notice of Intent (NOI) completed for the project as well as copies of the erosion and sediment control plans.

Sincerely,

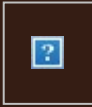
A handwritten signature in black ink, appearing to read "Ryan J. Nelson". The signature is fluid and cursive, with a long horizontal stroke at the end.

Ryan J. Nelson, PWS
WHM Consulting, LLC

Enclosures:

NOI Form
Erosion and Sediment Control Plan Drawings

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WHM CONSULTING, INC

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF WATER PROGRAMS
OFFICE OF OIL AND GAS MANAGEMENT

OFFICIAL USE ONLY

ID # T

Date Received _____

AUTH _____

SITE _____

CLNT _____

APS _____

Fee _____

Check No. _____

Check Date _____

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT
CONTROL GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH
OIL AND GAS EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT
OPERATIONS OR TRANSMISSION FACILITIES**

READ THE INSTRUCTIONS PROVIDED IN THIS PERMIT APPLICATION PACKAGE BEFORE COMPLETING THIS FORM. PLEASE PRINT OR TYPE INFORMATION IN BLACK OR BLUE INK.

SECTION A. APPLICATION TYPE

Check one:

NEW ☒ RENEWAL ☐ MAJOR MODIFICATIONS (Provide ESCGP number) ☐PHASED ☐ (check only if applicable; *note: Most projects are not submitted as phased projects*)Check one: EXPEDITED ☐ STANDARD ☒

If an Expedited Review Process being requested, be advised that the Expedited Review is not available for all projects. Refer to Section D - Expedited Review Process of the ESCGP-3 NOI Instructions to determine if the project is eligible.

SECTION B. CLIENT INFORMATION

Applicant's Last Name (If applicable)	First Name	MI	Telephone No.
Organization Name or Registered Fictitious Name Transcontinental Gas Pipe Line Company, LLC (Contact: Joseph Dean)			Telephone No. (713) 215-3427
DEP Client ID No.			
Headquarters Mailing Address 2800 Post Oak Blvd, Level 11	City Houston	State TX	ZIP Code 77056
Email Address Joseph.Dean@williams.com			
Co-Applicant's Last Name (If applicable)	First Name	MI	Telephone No.
Organization Name or Registered Fictitious Name 			Telephone No.

Address	City	State	ZIP Code
Email Address			

SECTION C. SITE INFORMATION					
Is there an existing ESCGP associated with this site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, Permit No. _____					
Has a well permit application been submitted for this site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, Permit No. _____					
Does this site have a 911 address? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, <u>provide site location address.</u>					
Site Name Regional Energy Access Expansion Project					
Site Location See Attachment 1-1.1- NOI Supporting Information			Site No. (if another permit has been issued for the site)		
Site Location – City See Attachment 1-1.1- NOI Supporting Information				State PA	ZIP Code
Detailed Written Directions to Site See Attachment 1-1.1- NOI Supporting Information for locations of all project sites					
Primary Location	County Luzerne, Northampton, Bucks, Chester, and Monroe	Municipality Buck, Bear Creek, Plains, Jenkins, Kingston, Lower Mt. Bethel, Ross, Chestnut Hill, Tunkhannock, Lower Makefield, East Whiteland and Dallas Townships Wyoming, West Wyoming, and Laflin Boroughs	City <input type="checkbox"/>	Boro <input checked="" type="checkbox"/>	Twp. <input checked="" type="checkbox"/>
SECTION D. EXPEDITED REVIEW					
I. Expedited Review Eligibility					
1. Is any part of the project in the watershed of a surface water with an existing or designated use of exceptional value or high quality pursuant to Chapter 93 (relating to water quality standards), in an exceptional value wetland in accordance with 25 Pa. Code § 105.17, or in the watershed of an impaired surface water where the cause of the impairment is identified as siltation?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
2. Will the project in which the well pad will be constructed be in or on a floodplain?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Is any earth disturbance located or proposed to be located on land known to be contaminated by the release of regulated substances as defined in Section 103 of Act 2, 35 P.S. § 6026.103?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4. Will naturally occurring geologic formations or soil conditions provide hazards to the project or surrounding environment or have the potential to cause or contribute to pollution when disturbed?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
5. Do any unresolved non-compliance issues exist with the applicant or the facility?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
6. Is the project a transmission project?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

<p>If yes to any of the above questions the project is not eligible for Expedited Review; If the project is eligible for Expedited Review, all the following items must be completed.</p>	
<p>II. Expedited Review Process</p>	
1. Is the technically and administratively complete and accurate NOI package prepared and certified by a licensed professional?	<input type="checkbox"/> Yes <input type="checkbox"/> No
2. Are E&S and PCSM/Site Restoration Plan drawings and narrative prepared and sealed by a licensed professional? <i>(Include interim restoration details when needed)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No
3. Include a Resource Delineation Report and answer the following questions: (If the answer to question a. is "Yes" then skip to #4. If the answer to a. is "No" the applicant must answer "Yes" to at least one of the questions, b. through d. to be eligible for expedited review.)	
a. Were all wetland resources delineated during the growing season?	<input type="checkbox"/> Yes <input type="checkbox"/> No
b. If not during the growing season, was a follow-up visit conducted during the growing season to verify/adjust boundaries and look for potentially missed resources?	<input type="checkbox"/> Yes <input type="checkbox"/> No
c. Was a quality assurance field review conducted at a later date by an independent qualified wetland professional to verify boundaries and look for potentially missed resources? (If yes, attach Quality Assurance Field Review Report)	<input type="checkbox"/> Yes <input type="checkbox"/> No
d. Was a Jurisdictional Determination (JD) or Preliminary JD conducted by the US Army Corps of Engineers on the whole project? (If yes, attach Preliminary or Jurisdictional Determination Report)	<input type="checkbox"/> Yes <input type="checkbox"/> No
4. If applicable, have you included PNDI clearance letters or other documentation from applicable resource agencies?	<input type="checkbox"/> Yes <input type="checkbox"/> No
5. If the project site contains, is along, or within 100 feet of a river, stream, creek, lake, pond or reservoir, will you establish new or preserve existing riparian forest buffer at least 100 feet in width between the top of streambank or normal pool elevation of a lake, pond or reservoir and areas of earth disturbances. If no, will a waiver be obtained? <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
6. Name of Licensed Professional	
Company	
Address	
Phone	

SECTION E. PROJECT INFORMATION																	
1. Total Project Area/Project Site (Ac):	1,346 (Also see Attachment 1-1.1)	Total Disturbed Area (Ac):	689.8 (Also see Attachment 1-1.1)														
Increased disturbed acreage <i>(for permit modification only)</i>																	
Fee: <i>(For additional information regarding fees, refer to NOI Instructions #3 Permit NOI Filing Fees.)</i>			\$ \$500 (Filing Fee), \$69,000 (Disturbed Acre Fee)														
2. Project Name: Regional Energy Access Expansion Project																	
3. Project Type (Check all that apply) <table border="0" style="width: 100%;"> <tr> <td><input type="checkbox"/> Oil/Gas Well ¹</td> <td><input checked="" type="checkbox"/> Transmission Facility</td> </tr> <tr> <td><input type="checkbox"/> Gathering Facility</td> <td><input type="checkbox"/> Processing Facility</td> </tr> <tr> <td><input type="checkbox"/> Treatment Facility</td> <td><input type="checkbox"/> Well Development Impoundment</td> </tr> <tr> <td><input checked="" type="checkbox"/> Compressor Station</td> <td><input type="checkbox"/> Non-FERC regulated Transmission Facility</td> </tr> <tr> <td><input checked="" type="checkbox"/> Pipeline</td> <td><input type="checkbox"/> Ground/Surface Water Withdrawal Site</td> </tr> <tr> <td><input type="checkbox"/> Storage Field Facility</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Other</td> <td></td> </tr> </table>				<input type="checkbox"/> Oil/Gas Well ¹	<input checked="" type="checkbox"/> Transmission Facility	<input type="checkbox"/> Gathering Facility	<input type="checkbox"/> Processing Facility	<input type="checkbox"/> Treatment Facility	<input type="checkbox"/> Well Development Impoundment	<input checked="" type="checkbox"/> Compressor Station	<input type="checkbox"/> Non-FERC regulated Transmission Facility	<input checked="" type="checkbox"/> Pipeline	<input type="checkbox"/> Ground/Surface Water Withdrawal Site	<input type="checkbox"/> Storage Field Facility		<input type="checkbox"/> Other	
<input type="checkbox"/> Oil/Gas Well ¹	<input checked="" type="checkbox"/> Transmission Facility																
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<input type="checkbox"/> Treatment Facility	<input type="checkbox"/> Well Development Impoundment																
<input checked="" type="checkbox"/> Compressor Station	<input type="checkbox"/> Non-FERC regulated Transmission Facility																
<input checked="" type="checkbox"/> Pipeline	<input type="checkbox"/> Ground/Surface Water Withdrawal Site																
<input type="checkbox"/> Storage Field Facility																	
<input type="checkbox"/> Other																	
¹ If Oil/Gas Well; is the well conventional or unconventional? <input type="checkbox"/> Conventional <input type="checkbox"/> Unconventional																	

Project Description

Transco, indirectly owned by The Williams Companies, Inc. (Williams), is seeking authorization from the Federal Energy Regulatory Commission (FERC or Commission) under Section 7(c) of the Natural Gas Act and Part 157 of the Commission's regulations, to construct, own, operate, and maintain the proposed Project facilities

The Project is an expansion of Transco's existing natural gas transmission system that will enable Transco to provide an incremental 829,400 dekatherms per day (Dth/d) of year-round firm transportation capacity from the Marcellus Shale production area in northeastern Pennsylvania (PA) to multiple delivery points along Transco's Leidy Line in PA, Transco's mainline at the Station 210 Zone 6 Pooling Point in Mercer County, New Jersey (NJ) and multiple delivery points in Transco's Zone 6 in NJ, PA, and Maryland (MD). The Project will consist of the following components:

- Approximately 22.3 miles of 30-inch-diameter pipeline partially collocated with Transco's Leidy Line A from milepost (MP) 0.00 to MP 22.32 in Luzerne County, PA (Regional Energy Lateral);
 - Approximately 13.8 miles of 42-inch-diameter pipeline collocated with Transco's Leidy Line System from MP 43.72 to MP 57.50 in Monroe County, PA (Effort Loop);
 - New gas-fired turbine driven compressor station identified as Compressor Station 201 with 11,107 nominal horsepower (HP) at International Organization of Standardization (ISO) conditions in Gloucester County, NJ;
 - Addition of two gas-fired turbine driven compressor units with 31,800 nominal HP at ISO conditions at existing Compressor Station 505 in Somerset County, NJ, to accommodate the abandonment and replacement of approximately 16,000 HP from eight existing internal combustion engine-driven compressor units and increase the certificated station compression by 15,800 HP;
 - Addition of two gas-fired turbine driven compressor units with 63,742 nominal HP at ISO conditions and modification of three existing compressors at existing Compressor Station 515 in Luzerne County, PA to support the Project and to accommodate the abandonment and replacement of approximately 17,000 HP from five existing gas-fired reciprocating engine driven compressors and increase the certificated station compression by 46,742 HP;
 - Uprate and rewheel two existing electric motor-driven compressor units at existing Compressor Station 195 in York County, PA to increase the certificated station compression by 5,000 HP and accommodate the abandonment of two existing gas-fired reciprocating engine driven compressors which total approximately 8,000 HP of compression;
 - Modifications at existing Compressor Station 200 in Chester County, PA;
 - Uprate one existing electric motor-driven compressor unit at Compressor Station 207 in Middlesex County, NJ to increase the certificated station compression by 4,100 HP;
 - Modifications to three (3) existing pipeline tie-ins in PA (Hildebrandt Tie-in, Lower Demunds REL Tie-in, and Carverton Tie-in);
 - Addition of regulation controls at an existing valve setting on Transco's Mainline "A" in Bucks County, PA (Mainline A Regulator);
 - Modifications at the existing Delaware River Regulator in Northampton County, PA;
 - Modifications at the existing Centerville Regulator in Somerset County, NJ;
 - Modifications to the existing valves and piping at the Princeton Junction (Station 210 Pooling Point) in Mercer County, NJ;
 - Modifications to three (3) existing delivery meter stations in NJ (Camden M&R Station, Lawnside M&R Station, and Mt. Laurel M&R Station);
 - Modifications to one (1) existing delivery meter station in MD (Beaver Dam M&R Station);
 - Contractual changes (no modifications) at ten (10) existing delivery meter stations in PA and NJ (Algonquin-Centerville Meter Station, Post Road Meter Station, New Village Meter Station, Spruce Run Meter Station, Marcus Hook Meter Station, Ivyland Meter Station, Repaupo Meter Station, Morgan Meter Station, Lower Mud Run Meter Station, and Chesterfield Meter Station);
 - Additional ancillary facilities, such as mainline valves (MLVs), cathodic protection, communication facilities, and internal inspection device (e.g., pig) launchers and receivers in PA; and
 - Existing, improved, and new access roads and contractor yards/staging areas in PA, NJ, and MD.
- Provide the date of pre-application meeting (if conducted with the Department) 04/27/20, 07/09/20, 09/04/20, 09/30/20, 12/15/20, 12/16/20, 01/06/21, 02/05/21

4. Provide the latitude and longitude coordinates for the center of the project. The coordinates should be in Decimal degrees and North American Datum 1983. The coordinates must meet the current DEP policy regarding locational accuracy. For linear projects provide the project's termini. See Attachment 1-1.1

Latitude (DD) . Latitude (DD) . Horizontal Collection Method: <input type="checkbox"/> GPS <input checked="" type="checkbox"/> Interpolated from U.S.G.S. Topographic Map <input type="checkbox"/> DEP's eMAP	Longitude (DD) - . Longitude (DD) - .				
5. U.S.G.S. 7.5 min. topographic quadrangle Name (See Attachment 1-1.1) <i>(Include a copy of the project area on the 7.5 min quad map)</i>					
6. Will the project be conducted as a phased permit project? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Include Master Site Plan Estimated Timetable for Phased Projects. <input type="checkbox"/> Additional sheet(s) attached.					
Phase No. or Name	Description	Total Area	Disturbed Area	Start Date	End Date
7. List existing and previous land use for a minimum of the previous 5 years. (See Section 2 of this ESCGP-3 Application)					
8. Other Pollutants: Will the stormwater discharge contain pollutional substances other than sediment? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
9. Will fuels, chemicals, solvents, other hazardous waste or materials be used or stored on site during earth disturbance activities or will Horizontal Directional Drilling (HDD) activities be conducted? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If yes, Preparedness, Prevention and Contingency (PPC) Plan must be maintained on site during earth disturbance. See NOI Instructions, E.9 PPC Plan Guidance for further information.)</i>					
10. Is the project in the watershed of an impaired surface water where the cause of the impairment is identified as siltation? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (See Section 2-5 of this ESCGP-3 Application) <i>(If yes, show how the project will not result in a net change in volume, rate or water quality. See section I below, and E.10 of NOI instructions.)</i>					
11. Are there potentially hazardous naturally occurring geological or soil conditions in any portion of the project or surrounding area? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, do the potentially hazardous geologic or soil conditions have the potential to cause or contribute to pollution as a result of the proposed earth disturbance activities? If no, provide an explanation. If yes, Geologic Hazard Mitigation Plan must be attached and explain where in this application details are provided.					
12. Has the Act 14 Municipal Notification and proof of receipt of notification been attached to the NOI? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If not, the NOI is not complete, see E.12 and #4 Municipal Notification in the NOI Instructions for additional guidance.)</i>					
13. Has the PNDI receipt been attached to the NOI? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If not, the NOI is not complete, see E.13 and #5 PNHP in the NOI Instructions for additional guidance.)</i>					
14. Have the E&S Plan and PCSM/SR Plan been planned and designed to be consistent? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
15. Have existing and/or proposed Riparian Forest Buffers been identified? Yes <input checked="" type="checkbox"/> N/A <input type="checkbox"/> <i>(If yes, they must be shown on the E&S Plan as well as the PCSM/SR Plans.)</i>					
16. Have antidegradation implementation requirements for special protection waters been addressed? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> <i>(If yes, antidegradation requirements must be included in the plan.)</i>					

17. Has the seasonal high groundwater level been identified and 20-inch separation established at all excavation locations for pits for conventional operations and Well Development Impoundments for unconventional operations?

Yes ☐ No ☐ N/A ☒

[illegible]

	<input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired <input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired	<input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired <input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired
Secondary Receiving Water	Secondary Chapter 93, Designated Use	Secondary Existing Use
Name of Municipal or Private Separate Storm Sewer Operator, if applicable.		
Non-Surface Receiving Water: (include off-site discharges)		

SECTION F. EROSION AND SEDIMENT CONTROL (E&S) PLAN
See the attached Instructions for additional guidance with E&S Plans

Erosion and Sediment Control Plan BMPs should be designed to minimize accelerated erosion and sedimentation through limiting the extent and duration of earth disturbance, protection of existing drainage and vegetation, limiting soil compaction and controlling the generation of increased runoff. The Department recommends the use of the *Pennsylvania Erosion & Sedimentation Pollution Control Program Manual (E&S Manual)* (363-2134-008) to achieve this goal. The E&S Plan must meet the requirements of Pa. Code § 102.4(b) and submitted with the NOI. Also, see section 2. of the NOI instruction for detailed information on completing the E&S plan and additional requirements.

a. E&S Plan Summary

Provide a summary of proposed E&S BMPs and their performance to manage E&S for the project.

Typical BMPs provided along the pipeline Right-Of-Way includes waterbars, trench plugs, compost filter socks, compost sediment traps, rock filter outlets, erosion control blankets, rock construction entrances, temporary equipment bridges, timber mats, diversion channels, level spreaders, mulch and seed. An appropriate sediment removal device (filter bag, dewatering structure) and well-vegetated area will be utilized for trench dewatering. In HQ, EV watersheds, appropriate Antidegradation Best Available Combination of Technologies (ABACT) BMPs will be utilized. Additional information regarding all the proposed BMPs are provided in the Erosion and Sedimentation Control and Site Restoration Plans of respective project components (Section 2 of this ESCGP-3 Application).

b. E&S Plan BMP Design

Check those that apply:

- ☒ E&S Plan is designed using BMPs in the *E&S Manual*.
- ☐ E&S Plan is designed using an alternative BMP or design standard approved by DEP.

Note: NOI packages submitted with alternate BMPs not approved by the Department will be returned to the Applicant.

c. Do you have any information regarding riparian buffer which differs from Section G, Riparian Buffer?

Yes ☐ No ☒

Explain:

d. Thermal Impacts Analysis

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

Thermal impacts associated with Regional Energy Access Expansion Project will be avoided to the maximum extent possible. Minimum permanent changes in land cover are being proposed for constructing the pipeline facilities. Runoff from impervious areas added during the project will be suitably routed to Stormwater BMPs. Gravel will be used for access roads wherever practicable. To avoid thermal impacts arising from clearing and grading, removal of vegetation will be limited to only that necessary for construction and construction Right-Of-Way will be limited to 75 feet in wetlands and floodways where practical. Once construction activities are complete, disturbed areas will be restored to pre-construction contours and seeded as described in Erosion and Sediment Control and Site Restoration Plans. Temporary workspaces will be restored back with woody and herbaceous species. Thermal impacts assessments corresponding to each project component including pipelines and aboveground facilities are given in Section 2 and 3 of this ESCGP-3 Application.

e. Off-Site Discharge Analysis

Does the activity propose any off-site discharges to areas other than surface waters? ☒ Yes ☐ No

If yes, it is the applicant's responsibility to ensure that they have legal authority for any off-site discharge to neighboring properties.

The applicant must provide a demonstration in both E&S and PCSM/SR plans that the discharge will not cause erosion, damage, or a nuisance to off-site properties.

See Offsite Discharge Analysis Sections in E&S Narratives

SECTION G. RIPARIAN BUFFER

1. Will you be protecting, converting or establishing a voluntary riparian forest buffer as part of this project?
☐ Yes ☒ No
If yes, as part of the PCSM/SR Plan, provide a Buffer Management Plan.
2. Will proposed earth disturbance activities be conducted in an EV or HQ watershed AND within 150 feet of a perennial or intermittent river, stream, or creek, or lake, pond, or reservoir? ☒ Yes ☐ No
If no, proceed to the next section/module.
3. Does this project qualify for an exception (see § 102.14(d)(1))? ☒ Yes ☐ No
If yes, indicate below the type of project for which the exception applies by marking the appropriate box.
☐ Oil and gas activities for which site reclamation or restoration is part of the permit authorization in Chapter 78 and 78a.
☒ Road maintenance activities.
☐ The repair or maintenance of existing pipelines and utilities.
☐ Other (see §102.14(d)(1))
If exceptions are checked, explain how existing riparian buffer will be undisturbed to the extent practicable. Provide a demonstration that the requirements of §102.14(b) are met, or provide the necessary information to request a riparian buffer waiver.
4. Are you requesting a riparian buffer waiver for this project (see § 102.14(d)(2))? ☒ Yes ☐ No
If yes, indicate below the type of project for which you are requesting a waiver by marking the appropriate box.
☒ Linear project that may include pipelines, public roadways, rail lines, or utility lines.
☒ Project is of a temporary nature where the site will be fully restored to its preexisting conditions during the ESCGP permit term.
☒ Project where compliance with mandatory riparian buffers is not appropriate or feasible due to site characteristics or existing structures at the project site.
☐ Other (see §102.14(d)(2)):
If waivers are checked, explain how existing riparian buffers will be undisturbed to the extent practicable.
Note: If "Yes" to #2 **AND** "No" to #3 and #4, provide an attachment to demonstrate how the requirements of §102.14 are met.

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PCSM) AND/OR SITE RESTORATION(SR) PLAN

See NOI Instructions for additional guidance with PCSM Plans

PCSM/SR BMPs should be designed to use natural measures to eliminate pollution, infiltrate runoff, not require extensive construction/maintenance, promote pollutant reduction, and preserve the integrity of stream channels. All PCSM/SR BMPs proposed in the PCSM/SR Plan must be designed in accordance with Ch. 102, Ch. 78a for unconventional operations, Ch. 78 for conventional operations and the *Pennsylvania Stormwater Best Management Practices Manual (Stormwater BMP Manual)* (363-0300-002). If alternate design criteria are utilized for the proposed project, they must have prior approval by the Department, or the NOI Application will be returned to the Applicant.

After construction is completed, how much of the entire disturbed area will be restored to meadow in good condition or better, or existing conditions? ☐ All ☒ Partial ☐ None

Include PCSM narrative and drawings for remaining impervious area. Also include a map showing the proposed contours of the site restoration plan.

If there are additional stages of the project prior to permit termination or expiration, list the stages and provide the documents required by subsection 'a' to section 'g' for each stage (e.g. partial restoration or changes to the amount of compacted areas, gravel, and/or impervious areas). Upload a narrative for each additional stage in addition to the drawings.

EXAMPLE

Stage No	Stage Name	PCSM Plan	SR Plan
Stage 1		<input type="checkbox"/>	<input type="checkbox"/>
Stage 2		<input type="checkbox"/>	<input type="checkbox"/>
Stage 3		<input type="checkbox"/>	<input type="checkbox"/>
Stage 4		<input type="checkbox"/>	<input type="checkbox"/>

Act 167 Consistency. Check those that apply.

Is there an Act 167 Plan? ☒ Yes ☐ No

☒ The attached PCSM/SR Plan is consistent with an applicable approved Act 167 Plan.

Complete the following for all approved Act 167 Stormwater Management Plans. (Use additional sheets if necessary)

Act 167 Plan Name _____ Date Adopted _____ Consistency Letter Included ☐

Luzerne County Stormwater August 18, 2010 Verification Report Included ☒

Management Ordinance

Valley Creek Watershed Stormwater February 04, 2011

Management Plan

Note: A consistency letter is not required if a verification report is provided. See NOI Instructions. The PCSM/SR Plan must satisfy either sub paragraph 1, 2, or 3 below. Check those that apply.

1. ☒ Act 167 Plan approvals on or after January 2005 – The attached PCSM/SR Plan, in its entirety, is consistent with all requirements pertaining to rate, volume, and water quality from an Act 167 Stormwater Management Plan approved by DEP on or after January 2005. Box 1 must be checked if a current, DEP approved Act 167 plan exists.
2. ☒ The PCSM/SR Plan meets the standard design criteria from sections 102.8(g)(2) and (3) and the *Stormwater BMP Manual*. For projects involving oil and gas activities authorized by a permit issued under Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure, post construction stormwater management requirements are met for all areas that are restored to preconstruction conditions or to a condition of meadow in good condition or better. *[Note: PCSM plans must meet both the volume and rate requirements in the regulations, which are provided in the 2 sections mentioned in this paragraph].*
3. ☐ Alternative Design Standard – The attached PCSM/SR Plan was developed using approaches as provided in 102.8(g)(2)(iv) and 102.8(g)(3)(iii). Demonstrate/explain in the space provided below how this standard will be either more protective than what is required in 102.8(g)(2) and 102.8(g)(3) or will maintain and protect existing water quality and existing and designated uses.

PCSM/SR BMP Alternative Standards:

Has the alternative BMP or design standard been approved by the Department?

☐ Yes

☐ No – Do not submit the ESCGP-3 application and see Section (H) of the NOI Instructions concerning the alternative BMP approval process.

Water Quality Compliance:

Does the PCSM/SR plan comply with requirements for volume control? ☒ Yes ☐ No

If yes, is at least 90% of the disturbed area controlled by a PCSM BMP? ☒ Yes ☐ No

If yes, do you have the Standard PCSM Worksheet # 10 attached to show water quality compliance has achieved?

☒ Yes ☐ No

If no, attach Standard PCSM Worksheets # 12 and #13 to show water quality compliance has achieved.

If PCSM/SR plan is not complying with the requirements for volume control, attach Standard PCSM Worksheets # 11, # 12 and #13 to show water quality compliance has achieved.

a. PCSM/SR Plan Summary

Provide a summary of proposed BMPs and their performance to manage PCSM/SR for the project.

Along the pipeline Right-Of-Way, typical E&S BMPs such as waterbars and erosion control blanket will be left in place as part of site restoration. After construction activities are completed, temporary workspaces will be restored to meadow in good condition or better than existing conditions. For the aboveground facilities, PCSM BMPs such as infiltration basins, diversion channels and vegetated swales will be used and left in place as part of site restoration. Additional information regarding all the proposed BMPs are provided in the Post-Construction Stormwater Management Plans of respective project components (Section 3 of this ESCGP-3 Application).

Check all that apply ☒ PCSM BMPs ☒ SR BMPs

b. Do you have any information regarding riparian buffer which differs from what was submitted in the Section G, Riparian Buffer?

☐ Yes ☒ No

Explain:

c. Thermal Impacts Analysis

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

Runoff collected in PCSM BMPs such as infiltration basins will mitigate thermal impacts from post construction stormwater. Runoff collected in infiltration basins are discharged to receiving waters are not expected to be retained for more than 24 hours. Minimum permanent changes in land cover are being proposed for constructing the pipeline facilities. Gravel will be used for access roads wherever practicable. Removal of trees and riparian vegetation and addition of impervious surfaces will be limited to only that necessary for construction. Once construction activities are complete, disturbed areas will be restored to pre-construction contours and seeded as described in Erosion and Sedimental Control and Site Restoration Plans. Temporary workspaces will be restored back with woody and herbaceous species. Thermal impacts assessments corresponding to each project component including pipelines and aboveground facilities are given in Section 2 and 3 of this ESCGP-3 Application.

d. Off-Site Discharge Analysis.

Does the activity propose any off-site discharges to areas other than surface waters? ☒ Yes ☐ No

If yes, it is the applicant's responsibility to ensure that they have legal authority for any off-site discharge to neighboring properties.

The Applicant must provide a demonstration in both the E&S and PCSM/SR Plans that the discharge will not cause erosion, damage, or a nuisance to off-site properties.

See Offsite Discharge Analysis Sections in PCSM Narratives

NOI Section H. POST CONSTRUCTION STORMWATER MANAGEMENT (PCSM) PLANS

Summary Calculations of Post Construction Stormwater BMPs

1. Regional Energy Lateral Pipeline - MLV-515RA20
2. Regional Energy Lateral Pipeline - MLV-515RA30
3. Regional Energy Lateral Pipeline - Carverton Tie-in
4. Regional Energy Lateral Pipeline - Lower Demunds REL Tie-in
5. Regional Energy Lateral Pipeline – Hildebrandt Tie-in/MLV-515RA40
6. Effort Loop Pipeline - MLV-505LD86
7. Compressor Station 200
8. Compressor Station 515

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - MLV-515RA20 - Zenker Valve Yard

e. Summary Table for Supporting Calculation and Measurement Data
(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Mill Creek			
Volume Control design storm frequency 2-year Rainfall amount 2.95 inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.19	+0.19
Volume of stormwater runoff (acre- feet) without planned stormwater BMPs	0.04	0.06	+0.02
Volume of stormwater runoff (acre- feet) with planned stormwater BMPs		0.03	-0.01
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	3.51	3.22	-0.29
2) 10-Year/24-Hour	6.82	6.17	-0.65
3) 50-year/24-Hour	11.88	11.12	-0.76
4) 100-year/24-Hour	14.91	14.91	-0.00

f. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Vegetated Swale	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input checked="" type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ <u>1,396cf(2-yr);</u> <u>6,186cf(100-yr)</u>	_____ _____ <u>0.28</u>
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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g. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Dry Extended Detention Basin area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Channels to ensure they have been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Dry Extended Detention Basin to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Dry Extended Detention Basin the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. At completion of Collection Channel C1 to ensure it has been constructed to the proposed line and grade, the specified lining material has been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
6. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to Collection Channel C1.
7. For final inspection of constructed BMPs.
8. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL GENERAL PERMIT (ESGCP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR TRANSMISSION FACILITIES

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - MLV-515RA30 - Wyoming Valve Yard

b. Summary Table for Supporting Calculation and Measurement Data (See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Susquehanna-Solomon Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>2.57</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.24	+0.24
Volume of stormwater runoff (acre- feet) without planned stormwater BMPs	0.03	0.06	+0.03
Volume of stormwater runoff (acre- feet) with planned stormwater BMPs		0.03	-0.00
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.22	0.02	-0.20
2) 10-Year/24-Hour	0.68	0.03	-0.65
3) 50-year/24-Hour	1.52	0.06	-1.46
4) 100-year/24-Hour	2.06	0.07	-1.99

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Soil Amendment	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>451cf(2-yr);</u> <u>2,511cf(100-yr)</u> _____ _____ _____ _____	_____ <u>0.21</u> _____ _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input checked="" type="checkbox"/> Other <u>Vegetated Swale</u>	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	 <u>1,009cf(2-yr):</u> <u>4,264cf(100-yr)</u>	 <u>0.49</u>
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Vegetated Swale area has been flagged and fence erected to prevent access to the area.
2. At the beginning of construction of the Vegetated Swale to ensure the infiltration area has not been compacted by construction activities.
3. During construction of the Vegetated Swale the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
4. At completion of Collection Channel C1 to ensure it has been constructed to the proposed line and grade, the specified lining material has been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the infiltration berm.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - Carverton Tie-In

<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i></p> <p>The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Abrahams Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>2.61</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.03	0.11	+0.08
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.02	0.03	+0.01
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.00	-0.02
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.46	0.00	-0.46
2) 10-Year/24-Hour	0.91	0.00	-0.91
3) 50-year/24-Hour	1.61	0.00	-1.61
4) 100-year/24-Hour	2.01	0.00	-2.01

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>1,280cf (2-yr);</u> <u>4,445cf(100-yr)</u>	_____ _____ _____ _____ <u>0.26</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. At the beginning of construction to ascertain the Infiltration Berm area has been flagged and fence erected to prevent access to the area.
2. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the infiltration berm.
3. At the beginning of construction of the Infiltration Berm to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the infiltration berm the licensed professional will observe that the berm is constructed in accordance with the plans and specifications.
5. For final inspection of constructed BMPs.
6. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - Lower Demunds REL Tie-In

<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i></p> <p>The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Toby Creek			
Volume Control design storm frequency 2-year Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.12	+0.12
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.02	0.04	+0.02
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.01	-0.01
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.20	0.00	-0.20
2) 10-Year/24-Hour	0.40	0.00	-0.40
3) 50-year/24-Hour	0.71	0.20	-0.51
4) 100-year/24-Hour	0.89	0.51	-0.38

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>1,481cf(2-yr);</u> <u>4,356cf(100-yr)</u> _____ _____ _____	_____ <u>0.17</u> _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Valve Yard Pad area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Berm/Channel to ensure it has been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Valve Yard Pad to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Valve Yard Pad the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the outlet structure.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline – MLV-515RA40-Hildebrandt Tie-In

b. Summary Table for Supporting Calculation and Measurement Data

(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Toby Creek

Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.0	0.22	+0.22
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.03	0.07	+0.04
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.01	-0.02
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.34	0.20	-0.14
2) 10-Year/24-Hour	0.67	0.38	-0.29
3) 50-year/24-Hour	1.20	0.65	-0.55
4) 100-year/24-Hour	1.52	0.80	-0.72

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Vegetated Swale	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>2,265cf(2-yr);</u> <u>5,881cf(100-yr)</u>	_____ <u>0.21</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____

<input type="checkbox"/> Roadside Vegetated Filter Strips		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Stormwater Energy Dissipaters	Infiltration/Recharge			
<input type="checkbox"/> Level Spreaders		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Riprap Aprons		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Upslope Diversions		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Other _____		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____

d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Valve Yard Pad area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Channel to ensure it has been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Valve Yard Pad to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Valve Yard Pad the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the outlet structure.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Effort Loop Pipeline-MLV-505LD86 Sugar Hollow Valve Yard

<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i> The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Pohopoco Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.26</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.09	0.62	+0.53
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.35	0.44	+0.09
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.28	-0.07
Stormwater discharge rate for the design frequency storm DA-1	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.01	0.01	-0.00
2) 10-Year/24-Hour	0.37	0.31	-0.06
3) 50-year/24-Hour	5.89	4.21	-1.68
4) 100-year/24-Hour	11.47	8.28	-3.19
Stormwater discharge rate for the design frequency storm DA-2	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	4.51	3.97	-0.54
2) 10-Year/24-Hour	12.49	12.28	-0.21
3) 50-year/24-Hour	26.58	24.35	-2.23
4) 100-year/24-Hour	35.41	31.74	-3.67

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input checked="" type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ <u>1,123cf(2-yr);</u> <u>21,318cf(100-yr)</u> _____ <u>5,915cf(2-yr);</u> <u>26,924cf(100-yr)</u>	_____ _____ <u>2.85</u> _____ <u>1.54</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. For the final grading of the access road, ensuring it is constructed according to the plan details for proper conveyance of runoff.
2. Following final grading and seeding of the diversion channels and basin, in order to confirm they have been constructed according to the plan details for proper collection and conveyance of runoff. Periodic assessments will need to be made to ensure accumulated sediment have been cleaned out so the channels and basin maintain the necessary design volumes.
3. During the layout and excavation of the outlet control structure, the professional or delegate will ensure sizing, materials specifications, and construction procedures are followed to enable proper storage in the basin.
4. Following final grading and seeding of the infiltration berm in order to confirm they have been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessment will need to be made to ensure that accumulated sediment have been cleaned out so the area behind the berm maintains the necessary design volume.
5. For final inspection of constructed channels, basin and berms.
6. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Compressor Station 200

b. Summary Table for Supporting Calculation and Measurement Data

(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Valley Creek

Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.30</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.25	0.40	+0.15
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.07	0.11	+0.04
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.07	-0.00
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	1.03	0.15	-0.88
2) 10-Year/24-Hour	2.06	1.39	-0.67
3) 50-year/24-Hour	3.19	2.79	-0.40
4) 100-year/24-Hour	3.97	3.50	-0.47

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>3,790cf(2-yr);</u> <u>11,631cf(100-yr)</u>	_____ _____ _____ _____ <u>0.56</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____ _____	_____ _____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Following final grading and seeding of the infiltration berm in order to confirm it has been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessments will need to be made to ensure that accumulated sediment should be cleaned out so the channels and berm maintain necessary design volume.
2. For final inspection of constructed BMPs.
3. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E & S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESGCP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Compressor Station 515

<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i> The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Bear Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.34	2.44	+2.10
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.50	0.81	+0.31
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.18	-0.32
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	5.46	1.76	-3.70
2) 10-Year/24-Hour	10.19	8.30	-1.89
3) 50-year/24-Hour	16.85	9.55	-7.30
4) 100-year/24-Hour	20.81	9.58	-11.23

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>31,799cf(2-yr):</u> <u>96,268cf(100-yr)</u>	_____ _____ _____ _____ <u>3.83</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

- Following final grading and seeding of the collection channels and infiltration berm in order to confirm they have been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessments will need to be made to ensure that accumulated sediment should be cleaned out so the channels and berm maintain necessary design volume.
- For final inspection of constructed BMPs.
- At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E & S controls.

SECTION I. ANTIDEGRADATION ANALYSIS

This section must be completed where earth disturbance activities will be conducted in the watershed of a surface water with an existing or designated use of exceptional value or high quality pursuant to Chapter 93 (relating to water quality standards), projects where any part is located in an exceptional value wetland in accordance with 25 Pa. Code § 105.17, and projects where any part is located in the watershed of an impaired surface water where the cause of impairment is identified as siltation.

Part 1 - NONDISCHARGE ALTERNATIVES EVALUATION

The applicant must consider and describe any and all non-discharge alternatives for the entire project area which are environmentally sound and will:

- Minimize accelerated erosion and sedimentation during the earth disturbance activity
- Achieve no net change from pre-development to post-development volume, rate and concentration of pollutants in water quality

E & S Plan	PCSM/SR Plan
<p>Check off the environmentally sound nondischarge Best Management Practices (BMPs) listed below to be used prior to, during, and after earth disturbance activities that have been incorporated into your E & S Plan based on the site analysis. For non-discharge BMPs not checked, provide an explanation of why they were not utilized. Also for BMPs checked, provide an explanation of why they were utilized. (Provide the analysis and attach additional sheets if necessary)</p> <p>See Section 2 of this ESCGP-3 Application</p>	<p>Check off the environmentally sound nondischarge Best Management Practices (BMPs) listed below to be used after construction that have been incorporated into the PCSM/SR Plan based on your site analysis. For non-discharge BMPs not checked, provide an explanation of why they were not utilized. Also for BMPs checked, provide an explanation of why they were utilized. (Provide the analysis and attach additional sheets if necessary)</p> <p>See Section 3 of this ESCGP-3 Application</p>
<p>Nondischarge BMPs</p> <p><input type="checkbox"/> Alternative Siting</p> <p style="margin-left: 20px;"><input type="checkbox"/> Alternative location</p> <p style="margin-left: 20px;"><input type="checkbox"/> Alternative configuration</p> <p style="margin-left: 20px;"><input type="checkbox"/> Alternative location of discharge</p> <p><input checked="" type="checkbox"/> Limited Disturbed Area</p> <p><input type="checkbox"/> Limiting Extent & Duration of Disturbance (Phasing, Sequencing)</p> <p><input type="checkbox"/> Riparian Buffers (150 ft. min.)</p> <p><input type="checkbox"/> Riparian Forest Buffer (150 ft. min.)</p> <p><input type="checkbox"/> Other _____</p>	<p>Nondischarge BMPs</p> <p><input type="checkbox"/> Alternative Siting</p> <p style="margin-left: 20px;"><input type="checkbox"/> Alternative location</p> <p style="margin-left: 20px;"><input type="checkbox"/> Alternative configuration</p> <p style="margin-left: 20px;"><input type="checkbox"/> Alternative location of discharge</p> <p><input type="checkbox"/> Low Impact Development (LID / BSD)</p> <p><input type="checkbox"/> Riparian Buffers (150 ft. min.)</p> <p><input type="checkbox"/> Riparian Forest Buffer (150 ft. min.)</p> <p><input checked="" type="checkbox"/> Infiltration</p> <p><input type="checkbox"/> Water Reuse</p> <p><input type="checkbox"/> Other _____</p>
<p>Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality during construction?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, antidegradation analysis is complete. If no, proceed to Part 2.</p>	<p>Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality after construction?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, antidegradation analysis is complete. If no, proceed to Part 2.</p>

PART 2 - ANTIDEGRADATION BEST AVAILABLE COMBINATION OF TECHNOLOGIES (ABACT)

If the net change in stormwater discharge from or after construction is not fully managed by nondischarge BMPs, the applicant must utilize ABACT BMPs to manage the difference. The Applicant must specify whether the discharge will occur during construction, post-construction or both, and identify the technologies that will be used to ensure that the discharge will be a non-degrading discharge. ABACT BMPs include but are not limited to:

E & S Plan	PCSM/SR Plan
<p><input checked="" type="checkbox"/> Treatment BMPs:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Sediment basin with skimmer <input type="checkbox"/> Sediment basin ratio of 4:1 or greater (flow length to basin width) <input type="checkbox"/> Sediment basin with 4-7 day detention <input type="checkbox"/> Flocculants <input checked="" type="checkbox"/> Compost Filter Socks <input checked="" type="checkbox"/> Compost Filter Sock Sediment Basin <input checked="" type="checkbox"/> RCE w/ Wash Rack <p><input checked="" type="checkbox"/> Land disposal:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Vegetated filters <input type="checkbox"/> Riparian buffers <150ft. <input type="checkbox"/> Riparian Forest Buffer <150ft. <input checked="" type="checkbox"/> Immediate stabilization <p><input checked="" type="checkbox"/> Pollution prevention:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> PPC Plans <input checked="" type="checkbox"/> Street sweeping <input checked="" type="checkbox"/> Channels, collectors and diversions lined with permanent vegetation, rock, geotextile or other non-erosive materials <p><input type="checkbox"/> Stormwater reuse technologies:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Sediment basin water for dust control <input type="checkbox"/> Sediment basin water for irrigation <p><input type="checkbox"/> Other _____</p>	<p><input checked="" type="checkbox"/> Treatment BMPs:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Infiltration Practices <input type="checkbox"/> Wet ponds <input type="checkbox"/> Created wetland treatment systems <input checked="" type="checkbox"/> Vegetated swales <input type="checkbox"/> Manufactured devices <input checked="" type="checkbox"/> Bio-retention/infiltration <input type="checkbox"/> Green Roofs <p><input type="checkbox"/> Land disposal:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Vegetated filters <input type="checkbox"/> Riparian Buffers <150ft. <input type="checkbox"/> Riparian Forest Buffer <150ft. <input type="checkbox"/> Disconnection of roof drainage <input type="checkbox"/> Bio-retention/bio-infiltration <p><input checked="" type="checkbox"/> Pollution prevention:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Street sweeping <input type="checkbox"/> Nutrient, pesticide, herbicide or other chemical application plan alternatives <input checked="" type="checkbox"/> PPC Plans <input checked="" type="checkbox"/> Non-structural Practices <input checked="" type="checkbox"/> Restoration BMPs <p><input type="checkbox"/> Stormwater reuse technologies:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Divert rainwater into impoundment <input type="checkbox"/> Underground storage <p><input type="checkbox"/> Spray/Drip Irrigation</p> <p><input type="checkbox"/> Other _____</p>
<p>Are the ABACT BMPs selected sufficient to minimize E&S discharges to the extent that existing or designated surface water uses are protected?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.</p>	<p>Are the ABACT BMPs selected sufficient to achieve no net change and assure that existing or designated surface water uses are protected?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.</p>

SECTION J. COMPLIANCE HISTORY REVIEW

Is/was the applicant(s) in violation of any Department regulation, order, schedule of compliance or permit or in violation of any department regulated activities within the past five years?

☒ Yes ☐ No

If yes, provide the permit number or facility name, a brief description of the violation, the compliance schedule (including dates and steps to achieve compliance) and the current compliance status. (Attach additional information on a separate sheet, when necessary)

Permit Program or Activity: Chapter 102, Chapter 105, PAG-10

Permit Number (if applicable):

1. ESG03000150001, ESG00350150001, ESG00081150001
2. E41-649
3. E-19-311, E36-947, E-38-195, E40-769, E49-336, E54-360, E58-315, E66-160, E41-667, E18-495,
4. PAG109632

Brief Description of non-compliance:

Consent Assessment of Civil Penalty, Reports past due.

Steps taken to achieve compliance

1. Consent Assessment of Civil Penalty
2. Consent Assessment of Civil Penalty. Permits being obtained to complete channel restoration
3. Consent Assessment of Civil Penalty
4. All past due reports were provided to PADEP

Date(s) compliance achieved

1. 9/20/2020
2. 8/9/2020
3. 9/20/2020
4. 12/14/2017



Current Compliance Status: ☒ In-Compliance

☐ In Non-Compliance

If in non-compliance, attach schedule for achieving compliance.

SECTION K. CERTIFICATION BY PERSON PREPARING E&S AND PCSM/SR PLANS

I do hereby certify to the best of my knowledge, information, and belief, that the Erosion and Sediment Control and PCSM/Site Restoration Plans are true and correct, represent actual field conditions, and are in accordance with the 25 Pa. Code Chapters 78/78a and 102 of the Department's rules and regulations. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Print Name Kevin C. Clark	Signature 	Professional Seal 	
Company BAI Group, LLC			
Address 2525 Green Tech Drive, Suite D, State College, PA-16803			
Phone (814) 238-2060			
Most Recent DEP Training Attended	Location		Date
e-Mail Address kclark@baigroupllc.com			

EXPEDITED REVIEW PROCESS

In addition to the certification required above, applicants using the expedited permit review process must attach an E&S and PCSM/Site Restoration Plans developed and sealed by a licensed professional engineer, surveyor or professional geologist. The plans shall contain the following certification:

I do hereby certify to the best of my knowledge, information, and belief, that the E & S Control and PCSM/SR BMPs are true and correct, represent actual field conditions and are in accordance with the 25 Pa. Code Chapters 78 / 78a and 102 of the Department's rules and regulations. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SECTION L. APPLICANT CERTIFICATION

Applicant Certification

I certify under penalty of law, as provided by 18 Pa. C.S.A. § 4904, that this application and all related attachments were prepared by me or under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my own knowledge and on inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. The responsible official's signature also verifies that the activity is eligible to participate in the ESCGP, and that the applicant agrees to abide by the terms and conditions of the permit. BMP's, E&S Plan, PPC Plan, PCSM Plan, and other controls are being or will be, implemented to ensure that water quality standards and effluent limits are attained.

I grant permission to the agencies responsible for the permitting of this work, or their duly authorized representative to enter the project site for inspection purposes. I will abide by the conditions of the permit if issued and will not begin work prior to permit issuance.

(For individuals no indication of title is necessary, choose the box below. All others proceed to the next paragraph)

☐ **Individual; proceed to signature portion.**

I hereby certify under penalty of law, as provided by 18 Pa. C.S.A. § 4904, that I am the person who is responsible for decision-making regarding environmental compliance functions for Transcontinental Gas Pipeline Company, LLC, the manager of one or more manufacturing, production, or operating facilities of the applicant and am authorized to make management decisions which govern the operation of regulated facility including having explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure the applicant's long term environmental compliance with environmental laws and regulations; and I am responsible for ensuring that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements.

(choose one of the following; not applicable for individuals):

☐ The responsible corporate officer ☐ president ☐ vice president ☐ secretary
☐ treasure of _____ Corporation/Company
Entity name

☒ The ☐ member or ☒ manager of Transcontinental Gas Pipe Line Company, LLC
Entity name

☐ The general partner of _____ partnership/LP/LLP
Entity name

☐ The principal executive officer or ranking elected official of _____ Municipality/State/Federal/other public agency
Entity name

☐ Power of Attorney/delegation of contractual authority (documentation supporting delegation of contracting authority must be provided) for _____
Entity name

Print Name and Title of Applicant Print Name and Title of Co-Applicant (if applicable)

Signature of Applicant Signature of Co-Applicant

Date Application Signed Date Application Signed

Notarization

Sworn to and subscribed to before me this
_____ day of _____, 20_____

Commonwealth of Pennsylvania
County of _____

Notary Public

My Commission expires _____

AFFIX SEAL

SECTION M. ADDITIONAL CONTACT INFORMATION			
Contact's Last Name	First Name	MI	Phone (814) 689-1650
Nelson	Ryan	J	FAX
Mailing Address	City	State	ZIP + 4
2525 Green Tech Drive, Suite B	State College	PA	16803
e-Mail Address ryann@whmgroup.com			

Section 1-1.1 NOI Supporting Information

Project Component	Site	Site Location City	ZIP Code	County	Municipality	Total Project Area/Project Site (Acre)	Total Disturbed Area (Acre)	Latitude / Longitude	U.S.G.S. 7.5 min. Topographic Quadrangle	Receiving Waters	Chapter 93, Designated Use Stream Classification	Chapter 93, Existing Use Stream Classification	Siltation Impaired
Regional Energy Lateral	Pipeline			Luzerne	Buck, Bear Creek, Plains, Jenkins, Kingston, Dallas, Wyoming, West Wyoming, Laflin	952.63	420.67 (includes CS 515 and sites below)	41.173337, -75.671706 (eastern terminus) 41.346917, -75.946263 (western terminus)	Kingston, Pittston, Avoca, Wilkes-Barre East, Pleasant View Summit	Stony Run, Shades Creek, Little Shades Creek, Snider Run, Meadow Run, Bear Creek, Little Bear Creek, Mill Creek, Gardner Creek, Susquehanna River, Abrahams Creek, Toby Creek, Trout Brook	MF, HQ-CWF, WWF, CWF	-	No
	CY-LU-001	Wyoming	18644	Luzerne	Wyoming		16.3 (Included within above total)	41.31016, -75.84636		Abrahams Creek	CWF, MF	-	No
	CY-LU-002	Wilkes-Barre	18702	Luzerne	Laflin		11.4 (Included within above total)	41.28491, -75.79026		Gardner Creek	CWF, MF	-	No
	MLV-515RA20	Wilkes-Barre	18702	Luzerne	Bear Creek Township		0.46 (Included within above total)	41.25279, -75.75856		Mill Creek	CWF, MF	-	No
	MLV-515RA30	Wyoming	18644	Luzerne	Wyoming Borough		0.44 (Included within above total)	41.30411, -75.84662		Susquehanna River	WWF		No
	Carverton Tie-in	Wyoming	18644	Luzerne	West Wyoming Borough		3.9 (Included within above total)	41.32053, -75.87270		Abrahams Creek	CWF, MF		No
	Lower Demunds REL Tie-in	Dallas	18612	Luzerne	Dallas Township		1.7 (Included within above total)	41.34652, -75.94551		Trout Brook	CWF, MF		No
	Hildebrandt Tie-in/MLV-515RA40	Dallas	18612	Luzerne	Dallas Township		3.1 (Included within above total)	41.34692, -75.94629		Toby Creek, Trout Brook	CWF, MF		No
	Laflin Borough Stream Stabilization	Wilkes-Barre	18702	Luzerne	Laflin Borough		0.94 (Included within above total)	41.28925, -75.80209		Gardner Creek	CWF, MF	-	No
Effort Loop	Pipeline			Monroe	Ross, Chestnuthill, Tunkhannock	360.63	262.18	40.896796, -75.370606 (Southeast Terminus) 41.053413, -75.526178 (Northwest Terminus)	Blakeslee, Pocono Pines, Brodheads ville, Saylorsburg	Lake Creek, Princess Run, Weir Creek, McMichael Creek, Pohopoco Creek, Sugar Hollow Creek, Poplar Creek, Mud Run, Mud Pond Run, Tunkhannock Creek	EV, MF, HQ-CWF, CWF	EV, MF	No

Regional Energy Access Expansion Project
ESCGP-3 Permit Application
Transcontinental Gas Pipe Line Company, LLC
Section 1-1.1 NOI Supporting Information

Project Component	Site	Site Location City	ZIP Code	County	Municipality	Total Project Area/Project Site (Acre)	Total Disturbed Area (Acre)	Latitude / Longitude	U.S.G.S. 7.5 min. Topographic Quadrangle	Receiving Waters	Chapter 93, Designated Use Stream Classification	Chapter 93, Existing Use Stream Classification	Siltation Impaired
	MLV-505LD86 Sugar Hollow Valve Yard	Effort	18330	Monroe	Chestnut Hill Township		8.8 (Included within above total)	40.96775, -75.42980		Sugar Hollow Creek	CWF, MF	-	No
	CY-MO-001	Saylorsburg	18353	Monroe	Ross Township		50.1 (Included within above total)	40.89803, -75.36784		Lake Creek, Princess Run	HQ-CWF, MF, CWF	-	No
Delaware River Regulator		Easton	18040	Northampton	Lower Mt. Bethel	11.28	3.25	40.76220 -75.19653	Bangor, PA	Mud Run	CWF, MF	-	No
Mainline “A” Regulator		Washington Crossing	18977	Bucks	Lower Makefield	0.94	0.530	40.26807, -74.85712	Pennington, NJ-PA	Dyers Creek, Delaware River	MF, WWF	-	No
Compressor Station 200		Frazer	19335	Chester	East Whiteland	20.28	3.16	40.04998, -75.58589	Malvern, PA	Valley Creek	EV, MF, CWF	-	Yes
Compressor Station 515		White Haven	18661	Luzerne	Buck	952.63 (Included with Regional Energy Lateral)	24.83 (included with Regional Energy Lateral)	41.17380, -75.67118	Pleasant View Summit, PA	Shades Creek, Stony Run	HQ-CWF, MF	-	No



COUNTY NOTIFICATION OF PLANNED LAND DEVELOPMENT FOR CHAPTER 102 PERMITS

PROJECT INFORMATION (COMPLETED BY APPLICANT)

Applicant Name: **Transcontinental Gas Pipe Line Company, a subsidiary of Williams Partners, L.P.**

Contact Name: **Joseph Dean**
Manager-Permitting

Applicant Address: **2800 Post Oak Blvd, Level 11**

Contact Phone: **(713) 215-3427**

Applicant City, State, ZIP: **Houston, TX 77056**

County: **Northampton**

Description of Proposed Land Development and Stormwater Controls:

Municipality: **Lower Mt. Bethel**

The existing Delaware River Regulator component of the Regional Energy Access Expansion Project is proposed to upsize the existing control valves. E&S BMP's are proposed

Project Area: **11.28** acres ☐ Phased

Disturbance: **3.25** acres

Surface Waters Receiving Stormwater Discharges:

Mud Run

Tax Parcel ID(s) Affected by Proposed Land Development:

H10 7 2 0117, H10 6 15 0117, H10 6 15A 0117, H10 7 1A 0117, H10 7 3 0117

Discharge to: ☐ MS4 ☐ Other SS ☐ CSS

The following information was submitted to the county for this project:

☐ Land Development / Subdivision Plan ☒ E&S Plan ☐ PCSM Plan ☐ Other:

***On March 31, 2021 Transco submitted to you its E&S and PCSM Plans (Plans) as part of the ESCGP-3 permit application notification. The purpose of this notice is to let you know that Transco will be submitting an Erosion and Sediment Control Permit for Discharges of Stormwater Associated with Construction Activities Application to the PA Dept. of Environmental Protection to replace the ESCGP-3 application. Please refer to the previously submitted Plans.**

COUNTY PLAN INFORMATION (COMPLETED BY COUNTY)

Name of county organization completing this assessment:

1. Is there an adopted county or multi-county comprehensive plan? ☐ Yes ☐ No
2. If Yes to #1, is the proposed project consistent with the county plan? ☐ Yes ☐ No
3. Is there a DEP-approved Act 167 stormwater management plan? ☐ Yes ☐ No ☐ CCD
4. If Yes to #3, is the proposed project consistent with the Act 167 plan, without waiver? ☐ Yes ☐ No ☐ CCD
5. If Yes to #3, list the date of the latest plan / update approved by DEP: ☐ CCD

APPLICANT CERTIFICATION	COUNTY ACKNOWLEDGEMENT
I certify under penalty of law (see 18 Pa.C.S. § 4904 (relating to unsworn falsification)) that the information reported herein was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the information, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	The county acknowledges that a permit application for the above-referenced project has been submitted to a reviewing agency and that notification requirements of Act 14 of 1984 and Acts 67, 68, and 127 of 2000 have been satisfied. The information reported herein by the county is true and accurate. County acknowledgment of receipt of notification shall not be construed as project approval.

Joseph Dean

Applicant Name



Applicant Signature

Manager - Permitting

Applicant Title

07/01/2021

Date of Signature

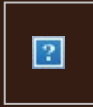
County Representative Name

County Representative Signature

County Representative Title

Date of Signature

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March 31, 2021

UPS TRACKING (1Z8797VV0393096547)

Northampton County Council
669 Washington Street
Easton, PA 18042

Re: Regional Energy Access Expansion Project – Delaware River Regulator
Pennsylvania Acts 14, 67, 68, and 127 Notification
Lower Mount Bethel Township, Northampton County, Pennsylvania

Dear County Council Members:

This municipal notice, under the requirements of Act 14, 97 P.S. § 510-5, is to inform you that Transcontinental Gas Pipe Line Company, LLC (Transco), a subsidiary of The Williams Companies, Inc. (Williams) is applying for coverage under the Erosion and Sediment Control General Permit (ESCGP-3) for Earth Disturbance Associated with Oil & Gas Exploration, Production, Processing or Treatment Operations or Transmission Facilities from the Pennsylvania Department of Environmental Protection (DEP).

1) Project Name: Regional Energy Access Expansion Project – Delaware River Regulator

2) Project Description: Transco, indirectly owned by The Williams Companies, Inc. (Williams), is seeking authorization from the Federal Energy Regulatory Commission (FERC or Commission) under Section 7(c) of the Natural Gas Act and Part 157 of the Commission's regulations, to construct, own, operate, and maintain the proposed Project facilities. The Project is an expansion of Transco's existing natural gas transmission system that will enable Transco to provide an incremental 829,400 dekatherms per day (Dth/d) of year-round firm transportation capacity from the Marcellus Shale production area in northeastern Pennsylvania (PA) to multiple delivery points along Transco's Leidy Line in PA, Transco's mainline at the Station 210 Zone 6 Pooling Point in Mercer County, New Jersey (NJ) and multiple delivery points in Transco's Zone 6 in NJ, PA, and Maryland (MD).

The existing Delaware River Regulator component of the Project is located in Lower Mt. Bethel Township, Northampton County. Proposed are facility modifications to upsize the existing control valves.

3) Applicant Name: Transcontinental Gas Pipe Line Company, LLC's (Transco), a subsidiary of Williams Partners L.P. (Williams)

4) Applicant Contact: Joseph Dean
Environmental Manager
2800 Post Oak Blvd, Level 11
Houston, TX 77056
(713) 215-3417

5) Site Location: The proposed Project is located on the Bangor, Pennsylvania, 7.5 Minute USGS quadrangle at 40°45'43.76"N, 75°11'47.46"W.

6) Municipality / County: Lower Mount Bethel Township, Northampton County

Act 14, which amended the Commonwealth's Administrative Code (71 P.S. § 510-5), requires every applicant for a new, amended, or revised permit to give written notice to each municipality (borough, township) and county government in which the facility is located. The municipality and county government must receive the written notice at least thirty (30) - days before DEP may issue or deny approval of coverage.

Enclosed is a complete copy of the Notice of Intent (NOI) completed for the project as well as copies of the erosion and sediment control plans.

Sincerely,

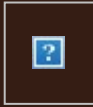
A handwritten signature in black ink, appearing to read "Ryan J. Nelson". The signature is fluid and cursive, with a long horizontal stroke at the end.

Ryan J. Nelson, PWS
WHM Consulting, LLC

Enclosures:

NOI Form
Erosion and Sediment Control Plan Drawings

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WHM CONSULTING, INC

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF WATER PROGRAMS
OFFICE OF OIL AND GAS MANAGEMENT

OFFICIAL USE ONLY

ID # T _____
 Date Received _____
 AUTH _____
 SITE _____
 CLNT _____
 APS _____
 Fee _____
 Check No. _____
 Check Date _____

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT
CONTROL GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH
OIL AND GAS EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT
OPERATIONS OR TRANSMISSION FACILITIES**

READ THE INSTRUCTIONS PROVIDED IN THIS PERMIT APPLICATION PACKAGE BEFORE COMPLETING THIS FORM. PLEASE PRINT OR TYPE INFORMATION IN BLACK OR BLUE INK.

SECTION A. APPLICATION TYPE

Check one:

NEW ☒ **RENEWAL** ☐ **MAJOR MODIFICATIONS (Provide ESCGP number)** ☐

PHASED ☐ (check only if applicable; *note: Most projects are not submitted as phased projects*)

Check one: EXPEDITED ☐ **STANDARD** ☒

If an Expedited Review Process being requested, be advised that the Expedited Review is not available for all projects. Refer to Section D - Expedited Review Process of the ESCGP-3 NOI Instructions to determine if the project is eligible.

SECTION B. CLIENT INFORMATION

Applicant's Last Name (If applicable)	First Name	MI	Telephone No.
Organization Name or Registered Fictitious Name Transcontinental Gas Pipe Line Company, LLC (Contact: Joseph Dean)			Telephone No. (713) 215-3427
DEP Client ID No.			
Headquarters Mailing Address 2800 Post Oak Blvd, Level 11	City Houston	State TX	ZIP Code 77056
Email Address Joseph.Dean@williams.com			
Co-Applicant's Last Name (If applicable)	First Name	MI	Telephone No.
Organization Name or Registered Fictitious Name 			Telephone No.

Address	City	State	ZIP Code
Email Address			

SECTION C. SITE INFORMATION					
Is there an existing ESCGP associated with this site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, Permit No. _____					
Has a well permit application been submitted for this site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, Permit No. _____					
Does this site have a 911 address? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, <u>provide site location address.</u>					
Site Name Regional Energy Access Expansion Project					
Site Location See Attachment 1-1.1- NOI Supporting Information			Site No. (if another permit has been issued for the site)		
Site Location – City See Attachment 1-1.1- NOI Supporting Information				State PA	ZIP Code
Detailed Written Directions to Site See Attachment 1-1.1- NOI Supporting Information for locations of all project sites					
Primary Location	County Luzerne, Northampton, Bucks, Chester, and Monroe	Municipality Buck, Bear Creek, Plains, Jenkins, Kingston, Lower Mt. Bethel, Ross, Chestnut Hill, Tunkhannock, Lower Makefield, East Whiteland and Dallas Townships Wyoming, West Wyoming, and Laflin Boroughs	City <input type="checkbox"/>	Boro <input checked="" type="checkbox"/>	Twp. <input checked="" type="checkbox"/>
SECTION D. EXPEDITED REVIEW					
I. Expedited Review Eligibility					
1. Is any part of the project in the watershed of a surface water with an existing or designated use of exceptional value or high quality pursuant to Chapter 93 (relating to water quality standards), in an exceptional value wetland in accordance with 25 Pa. Code § 105.17, or in the watershed of an impaired surface water where the cause of the impairment is identified as siltation?			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
2. Will the project in which the well pad will be constructed be in or on a floodplain?			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
3. Is any earth disturbance located or proposed to be located on land known to be contaminated by the release of regulated substances as defined in Section 103 of Act 2, 35 P.S. § 6026.103?			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
4. Will naturally occurring geologic formations or soil conditions provide hazards to the project or surrounding environment or have the potential to cause or contribute to pollution when disturbed?			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
5. Do any unresolved non-compliance issues exist with the applicant or the facility?			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
6. Is the project a transmission project?			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

<p>If yes to any of the above questions the project is not eligible for Expedited Review; If the project is eligible for Expedited Review, all the following items must be completed.</p>	
<p>II. Expedited Review Process</p>	
1. Is the technically and administratively complete and accurate NOI package prepared and certified by a licensed professional?	<input type="checkbox"/> Yes <input type="checkbox"/> No
2. Are E&S and PCSM/Site Restoration Plan drawings and narrative prepared and sealed by a licensed professional? <i>(Include interim restoration details when needed)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No
3. Include a Resource Delineation Report and answer the following questions: (If the answer to question a. is "Yes" then skip to #4. If the answer to a. is "No" the applicant must answer "Yes" to at least one of the questions, b. through d. to be eligible for expedited review.)	
a. Were all wetland resources delineated during the growing season?	<input type="checkbox"/> Yes <input type="checkbox"/> No
b. If not during the growing season, was a follow-up visit conducted during the growing season to verify/adjust boundaries and look for potentially missed resources?	<input type="checkbox"/> Yes <input type="checkbox"/> No
c. Was a quality assurance field review conducted at a later date by an independent qualified wetland professional to verify boundaries and look for potentially missed resources? (If yes, attach Quality Assurance Field Review Report)	<input type="checkbox"/> Yes <input type="checkbox"/> No
d. Was a Jurisdictional Determination (JD) or Preliminary JD conducted by the US Army Corps of Engineers on the whole project? (If yes, attach Preliminary or Jurisdictional Determination Report)	<input type="checkbox"/> Yes <input type="checkbox"/> No
4. If applicable, have you included PNDI clearance letters or other documentation from applicable resource agencies?	<input type="checkbox"/> Yes <input type="checkbox"/> No
5. If the project site contains, is along, or within 100 feet of a river, stream, creek, lake, pond or reservoir, will you establish new or preserve existing riparian forest buffer at least 100 feet in width between the top of streambank or normal pool elevation of a lake, pond or reservoir and areas of earth disturbances. If no, will a waiver be obtained? <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
6. Name of Licensed Professional	
Company	
Address	
Phone	

SECTION E. PROJECT INFORMATION																	
1. Total Project Area/Project Site (Ac):	1,346 (Also see Attachment 1-1.1)	Total Disturbed Area (Ac):	689.8 (Also see Attachment 1-1.1)														
Increased disturbed acreage <i>(for permit modification only)</i>																	
Fee: <i>(For additional information regarding fees, refer to NOI Instructions #3 Permit NOI Filing Fees.)</i>			\$ \$500 (Filing Fee), \$69,000 (Disturbed Acre Fee)														
2. Project Name: Regional Energy Access Expansion Project																	
3. Project Type (Check all that apply) <table border="0" style="width: 100%;"> <tr> <td><input type="checkbox"/> Oil/Gas Well ¹</td> <td><input checked="" type="checkbox"/> Transmission Facility</td> </tr> <tr> <td><input type="checkbox"/> Gathering Facility</td> <td><input type="checkbox"/> Processing Facility</td> </tr> <tr> <td><input type="checkbox"/> Treatment Facility</td> <td><input type="checkbox"/> Well Development Impoundment</td> </tr> <tr> <td><input checked="" type="checkbox"/> Compressor Station</td> <td><input type="checkbox"/> Non-FERC regulated Transmission Facility</td> </tr> <tr> <td><input checked="" type="checkbox"/> Pipeline</td> <td><input type="checkbox"/> Ground/Surface Water Withdrawal Site</td> </tr> <tr> <td><input type="checkbox"/> Storage Field Facility</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Other</td> <td></td> </tr> </table>				<input type="checkbox"/> Oil/Gas Well ¹	<input checked="" type="checkbox"/> Transmission Facility	<input type="checkbox"/> Gathering Facility	<input type="checkbox"/> Processing Facility	<input type="checkbox"/> Treatment Facility	<input type="checkbox"/> Well Development Impoundment	<input checked="" type="checkbox"/> Compressor Station	<input type="checkbox"/> Non-FERC regulated Transmission Facility	<input checked="" type="checkbox"/> Pipeline	<input type="checkbox"/> Ground/Surface Water Withdrawal Site	<input type="checkbox"/> Storage Field Facility		<input type="checkbox"/> Other	
<input type="checkbox"/> Oil/Gas Well ¹	<input checked="" type="checkbox"/> Transmission Facility																
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<input type="checkbox"/> Treatment Facility	<input type="checkbox"/> Well Development Impoundment																
<input checked="" type="checkbox"/> Compressor Station	<input type="checkbox"/> Non-FERC regulated Transmission Facility																
<input checked="" type="checkbox"/> Pipeline	<input type="checkbox"/> Ground/Surface Water Withdrawal Site																
<input type="checkbox"/> Storage Field Facility																	
<input type="checkbox"/> Other																	
¹ If Oil/Gas Well; is the well conventional or unconventional? <input type="checkbox"/> Conventional <input type="checkbox"/> Unconventional																	

Project Description

Transco, indirectly owned by The Williams Companies, Inc. (Williams), is seeking authorization from the Federal Energy Regulatory Commission (FERC or Commission) under Section 7(c) of the Natural Gas Act and Part 157 of the Commission's regulations, to construct, own, operate, and maintain the proposed Project facilities

The Project is an expansion of Transco's existing natural gas transmission system that will enable Transco to provide an incremental 829,400 dekatherms per day (Dth/d) of year-round firm transportation capacity from the Marcellus Shale production area in northeastern Pennsylvania (PA) to multiple delivery points along Transco's Leidy Line in PA, Transco's mainline at the Station 210 Zone 6 Pooling Point in Mercer County, New Jersey (NJ) and multiple delivery points in Transco's Zone 6 in NJ, PA, and Maryland (MD). The Project will consist of the following components:

- Approximately 22.3 miles of 30-inch-diameter pipeline partially collocated with Transco's Leidy Line A from milepost (MP) 0.00 to MP 22.32 in Luzerne County, PA (Regional Energy Lateral);
 - Approximately 13.8 miles of 42-inch-diameter pipeline collocated with Transco's Leidy Line System from MP 43.72 to MP 57.50 in Monroe County, PA (Effort Loop);
 - New gas-fired turbine driven compressor station identified as Compressor Station 201 with 11,107 nominal horsepower (HP) at International Organization of Standardization (ISO) conditions in Gloucester County, NJ;
 - Addition of two gas-fired turbine driven compressor units with 31,800 nominal HP at ISO conditions at existing Compressor Station 505 in Somerset County, NJ, to accommodate the abandonment and replacement of approximately 16,000 HP from eight existing internal combustion engine-driven compressor units and increase the certificated station compression by 15,800 HP;
 - Addition of two gas-fired turbine driven compressor units with 63,742 nominal HP at ISO conditions and modification of three existing compressors at existing Compressor Station 515 in Luzerne County, PA to support the Project and to accommodate the abandonment and replacement of approximately 17,000 HP from five existing gas-fired reciprocating engine driven compressors and increase the certificated station compression by 46,742 HP;
 - Uprate and rewheel two existing electric motor-driven compressor units at existing Compressor Station 195 in York County, PA to increase the certificated station compression by 5,000 HP and accommodate the abandonment of two existing gas-fired reciprocating engine driven compressors which total approximately 8,000 HP of compression;
 - Modifications at existing Compressor Station 200 in Chester County, PA;
 - Uprate one existing electric motor-driven compressor unit at Compressor Station 207 in Middlesex County, NJ to increase the certificated station compression by 4,100 HP;
 - Modifications to three (3) existing pipeline tie-ins in PA (Hildebrandt Tie-in, Lower Demunds REL Tie-in, and Carverton Tie-in);
 - Addition of regulation controls at an existing valve setting on Transco's Mainline "A" in Bucks County, PA (Mainline A Regulator);
 - Modifications at the existing Delaware River Regulator in Northampton County, PA;
 - Modifications at the existing Centerville Regulator in Somerset County, NJ;
 - Modifications to the existing valves and piping at the Princeton Junction (Station 210 Pooling Point) in Mercer County, NJ;
 - Modifications to three (3) existing delivery meter stations in NJ (Camden M&R Station, Lawnside M&R Station, and Mt. Laurel M&R Station);
 - Modifications to one (1) existing delivery meter station in MD (Beaver Dam M&R Station);
 - Contractual changes (no modifications) at ten (10) existing delivery meter stations in PA and NJ (Algonquin-Centerville Meter Station, Post Road Meter Station, New Village Meter Station, Spruce Run Meter Station, Marcus Hook Meter Station, Ivyland Meter Station, Repaupo Meter Station, Morgan Meter Station, Lower Mud Run Meter Station, and Chesterfield Meter Station);
 - Additional ancillary facilities, such as mainline valves (MLVs), cathodic protection, communication facilities, and internal inspection device (e.g., pig) launchers and receivers in PA; and
 - Existing, improved, and new access roads and contractor yards/staging areas in PA, NJ, and MD.
- Provide the date of pre-application meeting (if conducted with the Department) 04/27/20, 07/09/20, 09/04/20, 09/30/20, 12/15/20, 12/16/20, 01/06/21, 02/05/21

4. Provide the latitude and longitude coordinates for the center of the project. The coordinates should be in Decimal degrees and North American Datum 1983. The coordinates must meet the current DEP policy regarding locational accuracy. For linear projects provide the project's termini. See Attachment 1-1.1

Latitude (DD) . Latitude (DD) . Horizontal Collection Method: <input type="checkbox"/> GPS <input checked="" type="checkbox"/> Interpolated from U.S.G.S. Topographic Map <input type="checkbox"/> DEP's eMAP	Longitude (DD) - . Longitude (DD) - .				
5. U.S.G.S. 7.5 min. topographic quadrangle Name (See Attachment 1-1.1) <i>(Include a copy of the project area on the 7.5 min quad map)</i>					
6. Will the project be conducted as a phased permit project? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Include Master Site Plan Estimated Timetable for Phased Projects. <input type="checkbox"/> Additional sheet(s) attached.					
Phase No. or Name	Description	Total Area	Disturbed Area	Start Date	End Date
7. List existing and previous land use for a minimum of the previous 5 years. (See Section 2 of this ESCGP-3 Application)					
8. Other Pollutants: Will the stormwater discharge contain pollutional substances other than sediment? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
9. Will fuels, chemicals, solvents, other hazardous waste or materials be used or stored on site during earth disturbance activities or will Horizontal Directional Drilling (HDD) activities be conducted? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If yes, Preparedness, Prevention and Contingency (PPC) Plan must be maintained on site during earth disturbance. See NOI Instructions, E.9 PPC Plan Guidance for further information.)</i>					
10. Is the project in the watershed of an impaired surface water where the cause of the impairment is identified as siltation? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (See Section 2-5 of this ESCGP-3 Application) <i>(If yes, show how the project will not result in a net change in volume, rate or water quality. See section I below, and E.10 of NOI instructions.)</i>					
11. Are there potentially hazardous naturally occurring geological or soil conditions in any portion of the project or surrounding area? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, do the potentially hazardous geologic or soil conditions have the potential to cause or contribute to pollution as a result of the proposed earth disturbance activities? If no, provide an explanation. If yes, Geologic Hazard Mitigation Plan must be attached and explain where in this application details are provided.					
12. Has the Act 14 Municipal Notification and proof of receipt of notification been attached to the NOI? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If not, the NOI is not complete, see E.12 and #4 Municipal Notification in the NOI Instructions for additional guidance.)</i>					
13. Has the PNDI receipt been attached to the NOI? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If not, the NOI is not complete, see E.13 and #5 PNHP in the NOI Instructions for additional guidance.)</i>					
14. Have the E&S Plan and PCSM/SR Plan been planned and designed to be consistent? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
15. Have existing and/or proposed Riparian Forest Buffers been identified? Yes <input checked="" type="checkbox"/> N/A <input type="checkbox"/> <i>(If yes, they must be shown on the E&S Plan as well as the PCSM/SR Plans.)</i>					
16. Have antidegradation implementation requirements for special protection waters been addressed? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> <i>(If yes, antidegradation requirements must be included in the plan.)</i>					

17. Has the seasonal high groundwater level been identified and 20-inch separation established at all excavation locations for pits for conventional operations and Well Development Impoundments for unconventional operations?

Yes ☐ No ☐ N/A ☒

[illegible]

	<input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired <input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired	<input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired <input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired
Secondary Receiving Water	Secondary Chapter 93, Designated Use	Secondary Existing Use
Name of Municipal or Private Separate Storm Sewer Operator, if applicable.		
Non-Surface Receiving Water: (include off-site discharges)		

SECTION F. EROSION AND SEDIMENT CONTROL (E&S) PLAN
See the attached Instructions for additional guidance with E&S Plans

Erosion and Sediment Control Plan BMPs should be designed to minimize accelerated erosion and sedimentation through limiting the extent and duration of earth disturbance, protection of existing drainage and vegetation, limiting soil compaction and controlling the generation of increased runoff. The Department recommends the use of the *Pennsylvania Erosion & Sedimentation Pollution Control Program Manual (E&S Manual)* (363-2134-008) to achieve this goal. The E&S Plan must meet the requirements of Pa. Code § 102.4(b) and submitted with the NOI. Also, see section 2. of the NOI instruction for detailed information on completing the E&S plan and additional requirements.

a. E&S Plan Summary

Provide a summary of proposed E&S BMPs and their performance to manage E&S for the project.

Typical BMPs provided along the pipeline Right-Of-Way includes waterbars, trench plugs, compost filter socks, compost sediment traps, rock filter outlets, erosion control blankets, rock construction entrances, temporary equipment bridges, timber mats, diversion channels, level spreaders, mulch and seed. An appropriate sediment removal device (filter bag, dewatering structure) and well-vegetated area will be utilized for trench dewatering. In HQ, EV watersheds, appropriate Antidegradation Best Available Combination of Technologies (ABACT) BMPs will be utilized. Additional information regarding all the proposed BMPs are provided in the Erosion and Sedimentation Control and Site Restoration Plans of respective project components (Section 2 of this ESCGP-3 Application).

b. E&S Plan BMP Design

Check those that apply:

- ☒ E&S Plan is designed using BMPs in the *E&S Manual*.
- ☐ E&S Plan is designed using an alternative BMP or design standard approved by DEP.

Note: NOI packages submitted with alternate BMPs not approved by the Department will be returned to the Applicant.

c. Do you have any information regarding riparian buffer which differs from Section G, Riparian Buffer?

Yes ☐ No ☒

Explain:

d. Thermal Impacts Analysis

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

Thermal impacts associated with Regional Energy Access Expansion Project will be avoided to the maximum extent possible. Minimum permanent changes in land cover are being proposed for constructing the pipeline facilities. Runoff from impervious areas added during the project will be suitably routed to Stormwater BMPs. Gravel will be used for access roads wherever practicable. To avoid thermal impacts arising from clearing and grading, removal of vegetation will be limited to only that necessary for construction and construction Right-Of-Way will be limited to 75 feet in wetlands and floodways where practical. Once construction activities are complete, disturbed areas will be restored to pre-construction contours and seeded as described in Erosion and Sediment Control and Site Restoration Plans. Temporary workspaces will be restored back with woody and herbaceous species. Thermal impacts assessments corresponding to each project component including pipelines and aboveground facilities are given in Section 2 and 3 of this ESCGP-3 Application.

e. Off-Site Discharge Analysis

Does the activity propose any off-site discharges to areas other than surface waters? ☒ Yes ☐ No

If yes, it is the applicant's responsibility to ensure that they have legal authority for any off-site discharge to neighboring properties.

The applicant must provide a demonstration in both E&S and PCSM/SR plans that the discharge will not cause erosion, damage, or a nuisance to off-site properties.

See Offsite Discharge Analysis Sections in E&S Narratives

SECTION G. RIPARIAN BUFFER

1. Will you be protecting, converting or establishing a voluntary riparian forest buffer as part of this project?
☐ Yes ☒ No
If yes, as part of the PCSM/SR Plan, provide a Buffer Management Plan.
2. Will proposed earth disturbance activities be conducted in an EV or HQ watershed AND within 150 feet of a perennial or intermittent river, stream, or creek, or lake, pond, or reservoir? ☒ Yes ☐ No
If no, proceed to the next section/module.
3. Does this project qualify for an exception (see § 102.14(d)(1))? ☒ Yes ☐ No
If yes, indicate below the type of project for which the exception applies by marking the appropriate box.
☐ Oil and gas activities for which site reclamation or restoration is part of the permit authorization in Chapter 78 and 78a.
☒ Road maintenance activities.
☐ The repair or maintenance of existing pipelines and utilities.
☐ Other (see §102.14(d)(1))
If exceptions are checked, explain how existing riparian buffer will be undisturbed to the extent practicable. Provide a demonstration that the requirements of §102.14(b) are met, or provide the necessary information to request a riparian buffer waiver.
4. Are you requesting a riparian buffer waiver for this project (see § 102.14(d)(2))? ☒ Yes ☐ No
If yes, indicate below the type of project for which you are requesting a waiver by marking the appropriate box.
☒ Linear project that may include pipelines, public roadways, rail lines, or utility lines.
☒ Project is of a temporary nature where the site will be fully restored to its preexisting conditions during the ESCGP permit term.
☒ Project where compliance with mandatory riparian buffers is not appropriate or feasible due to site characteristics or existing structures at the project site.
☐ Other (see §102.14(d)(2)):
If waivers are checked, explain how existing riparian buffers will be undisturbed to the extent practicable.
Note: If "Yes" to #2 **AND** "No" to #3 and #4, provide an attachment to demonstrate how the requirements of §102.14 are met.

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PCSM) AND/OR SITE RESTORATION(SR) PLAN

See NOI Instructions for additional guidance with PCSM Plans

PCSM/SR BMPs should be designed to use natural measures to eliminate pollution, infiltrate runoff, not require extensive construction/maintenance, promote pollutant reduction, and preserve the integrity of stream channels. All PCSM/SR BMPs proposed in the PCSM/SR Plan must be designed in accordance with Ch. 102, Ch. 78a for unconventional operations, Ch. 78 for conventional operations and the *Pennsylvania Stormwater Best Management Practices Manual (Stormwater BMP Manual)* (363-0300-002). If alternate design criteria are utilized for the proposed project, they must have prior approval by the Department, or the NOI Application will be returned to the Applicant.

After construction is completed, how much of the entire disturbed area will be restored to meadow in good condition or better, or existing conditions? ☐ All ☒ Partial ☐ None

Include PCSM narrative and drawings for remaining impervious area. Also include a map showing the proposed contours of the site restoration plan.

If there are additional stages of the project prior to permit termination or expiration, list the stages and provide the documents required by subsection 'a' to section 'g' for each stage (e.g. partial restoration or changes to the amount of compacted areas, gravel, and/or impervious areas). Upload a narrative for each additional stage in addition to the drawings.

EXAMPLE

Stage No	Stage Name	PCSM Plan	SR Plan
Stage 1		<input type="checkbox"/>	<input type="checkbox"/>
Stage 2		<input type="checkbox"/>	<input type="checkbox"/>
Stage 3		<input type="checkbox"/>	<input type="checkbox"/>
Stage 4		<input type="checkbox"/>	<input type="checkbox"/>

Act 167 Consistency. Check those that apply.

Is there an Act 167 Plan? ☒ Yes ☐ No

☒ The attached PCSM/SR Plan is consistent with an applicable approved Act 167 Plan.

Complete the following for all approved Act 167 Stormwater Management Plans. (Use additional sheets if necessary)

Act 167 Plan Name _____ Date Adopted _____ Consistency Letter Included ☐

Luzerne County Stormwater August 18, 2010 Verification Report Included ☒

Management Ordinance

Valley Creek Watershed Stormwater February 04, 2011

Management Plan

Note: A consistency letter is not required if a verification report is provided. See NOI Instructions. The PCSM/SR Plan must satisfy either sub paragraph 1, 2, or 3 below. Check those that apply.

1. ☒ Act 167 Plan approvals on or after January 2005 – The attached PCSM/SR Plan, in its entirety, is consistent with all requirements pertaining to rate, volume, and water quality from an Act 167 Stormwater Management Plan approved by DEP on or after January 2005. Box 1 must be checked if a current, DEP approved Act 167 plan exists.
2. ☒ The PCSM/SR Plan meets the standard design criteria from sections 102.8(g)(2) and (3) and the *Stormwater BMP Manual*. For projects involving oil and gas activities authorized by a permit issued under Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure, post construction stormwater management requirements are met for all areas that are restored to preconstruction conditions or to a condition of meadow in good condition or better. *[Note: PCSM plans must meet both the volume and rate requirements in the regulations, which are provided in the 2 sections mentioned in this paragraph].*
3. ☐ Alternative Design Standard – The attached PCSM/SR Plan was developed using approaches as provided in 102.8(g)(2)(iv) and 102.8(g)(3)(iii). Demonstrate/explain in the space provided below how this standard will be either more protective than what is required in 102.8(g)(2) and 102.8(g)(3) or will maintain and protect existing water quality and existing and designated uses.

PCSM/SR BMP Alternative Standards:

Has the alternative BMP or design standard been approved by the Department?

☐ Yes

☐ No – Do not submit the ESCGP-3 application and see Section (H) of the NOI Instructions concerning the alternative BMP approval process.

Water Quality Compliance:

Does the PCSM/SR plan comply with requirements for volume control? ☒ Yes ☐ No

If yes, is at least 90% of the disturbed area controlled by a PCSM BMP? ☒ Yes ☐ No

If yes, do you have the Standard PCSM Worksheet # 10 attached to show water quality compliance has achieved?

☒ Yes ☐ No

If no, attach Standard PCSM Worksheets # 12 and #13 to show water quality compliance has achieved.

If PCSM/SR plan is not complying with the requirements for volume control, attach Standard PCSM Worksheets # 11, # 12 and #13 to show water quality compliance has achieved.

a. PCSM/SR Plan Summary

Provide a summary of proposed BMPs and their performance to manage PCSM/SR for the project.

Along the pipeline Right-Of-Way, typical E&S BMPs such as waterbars and erosion control blanket will be left in place as part of site restoration. After construction activities are completed, temporary workspaces will be restored to meadow in good condition or better than existing conditions. For the aboveground facilities, PCSM BMPs such as infiltration basins, diversion channels and vegetated swales will be used and left in place as part of site restoration. Additional information regarding all the proposed BMPs are provided in the Post-Construction Stormwater Management Plans of respective project components (Section 3 of this ESCGP-3 Application).

Check all that apply ☒ PCSM BMPs ☒ SR BMPs

b. Do you have any information regarding riparian buffer which differs from what was submitted in the Section G, Riparian Buffer?

☐ Yes ☒ No

Explain:

c. Thermal Impacts Analysis

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

Runoff collected in PCSM BMPs such as infiltration basins will mitigate thermal impacts from post construction stormwater. Runoff collected in infiltration basins are discharged to receiving waters are not expected to be retained for more than 24 hours. Minimum permanent changes in land cover are being proposed for constructing the pipeline facilities. Gravel will be used for access roads wherever practicable. Removal of trees and riparian vegetation and addition of impervious surfaces will be limited to only that necessary for construction. Once construction activities are complete, disturbed areas will be restored to pre-construction contours and seeded as described in Erosion and Sedimental Control and Site Restoration Plans. Temporary workspaces will be restored back with woody and herbaceous species. Thermal impacts assessments corresponding to each project component including pipelines and aboveground facilities are given in Section 2 and 3 of this ESCGP-3 Application.

d. Off-Site Discharge Analysis.

Does the activity propose any off-site discharges to areas other than surface waters? ☒ Yes ☐ No

If yes, it is the applicant's responsibility to ensure that they have legal authority for any off-site discharge to neighboring properties.

The Applicant must provide a demonstration in both the E&S and PCSM/SR Plans that the discharge will not cause erosion, damage, or a nuisance to off-site properties.

See Offsite Discharge Analysis Sections in PCSM Narratives

NOI Section H. POST CONSTRUCTION STORMWATER MANAGEMENT (PCSM) PLANS

Summary Calculations of Post Construction Stormwater BMPs

1. Regional Energy Lateral Pipeline - MLV-515RA20
2. Regional Energy Lateral Pipeline - MLV-515RA30
3. Regional Energy Lateral Pipeline - Carverton Tie-in
4. Regional Energy Lateral Pipeline - Lower Demunds REL Tie-in
5. Regional Energy Lateral Pipeline – Hildebrandt Tie-in/MLV-515RA40
6. Effort Loop Pipeline - MLV-505LD86
7. Compressor Station 200
8. Compressor Station 515

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - MLV-515RA20 - Zenker Valve Yard

e. Summary Table for Supporting Calculation and Measurement Data
(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Mill Creek			
Volume Control design storm frequency 2-year Rainfall amount 2.95 inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.19	+0.19
Volume of stormwater runoff (acre- feet) without planned stormwater BMPs	0.04	0.06	+0.02
Volume of stormwater runoff (acre- feet) with planned stormwater BMPs		0.03	-0.01
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	3.51	3.22	-0.29
2) 10-Year/24-Hour	6.82	6.17	-0.65
3) 50-year/24-Hour	11.88	11.12	-0.76
4) 100-year/24-Hour	14.91	14.91	-0.00

f. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Vegetated Swale	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input checked="" type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ <u>1,396cf(2-yr);</u> <u>6,186cf(100-yr)</u>	_____ _____ <u>0.28</u>
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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g. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Dry Extended Detention Basin area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Channels to ensure they have been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Dry Extended Detention Basin to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Dry Extended Detention Basin the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. At completion of Collection Channel C1 to ensure it has been constructed to the proposed line and grade, the specified lining material has been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
6. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to Collection Channel C1.
7. For final inspection of constructed BMPs.
8. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL GENERAL PERMIT (ESGCP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR TRANSMISSION FACILITIES

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - MLV-515RA30 - Wyoming Valve Yard

b. Summary Table for Supporting Calculation and Measurement Data (See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Susquehanna-Solomon Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>2.57</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.24	+0.24
Volume of stormwater runoff (acre- feet) without planned stormwater BMPs	0.03	0.06	+0.03
Volume of stormwater runoff (acre- feet) with planned stormwater BMPs		0.03	-0.00
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.22	0.02	-0.20
2) 10-Year/24-Hour	0.68	0.03	-0.65
3) 50-year/24-Hour	1.52	0.06	-1.46
4) 100-year/24-Hour	2.06	0.07	-1.99

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Soil Amendment	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>451cf(2-yr);</u> <u>2,511cf(100-yr)</u> _____ _____ _____ _____	_____ <u>0.21</u> _____ _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input checked="" type="checkbox"/> Other <u>Vegetated Swale</u>	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	 <u>1,009cf(2-yr):</u> <u>4,264cf(100-yr)</u>	 <u>0.49</u>
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Vegetated Swale area has been flagged and fence erected to prevent access to the area.
2. At the beginning of construction of the Vegetated Swale to ensure the infiltration area has not been compacted by construction activities.
3. During construction of the Vegetated Swale the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
4. At completion of Collection Channel C1 to ensure it has been constructed to the proposed line and grade, the specified lining material has been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the infiltration berm.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - Carverton Tie-In

<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i> The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Abrahams Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>2.61</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.03	0.11	+0.08
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.02	0.03	+0.01
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.00	-0.02
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.46	0.00	-0.46
2) 10-Year/24-Hour	0.91	0.00	-0.91
3) 50-year/24-Hour	1.61	0.00	-1.61
4) 100-year/24-Hour	2.01	0.00	-2.01

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>1,280cf (2-yr);</u> <u>4,445cf(100-yr)</u>	_____ _____ _____ _____ <u>0.26</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. At the beginning of construction to ascertain the Infiltration Berm area has been flagged and fence erected to prevent access to the area.
2. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the infiltration berm.
3. At the beginning of construction of the Infiltration Berm to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the infiltration berm the licensed professional will observe that the berm is constructed in accordance with the plans and specifications.
5. For final inspection of constructed BMPs.
6. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - Lower Demunds REL Tie-In

<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i></p> <p>The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Toby Creek			
Volume Control design storm frequency 2-year Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.12	+0.12
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.02	0.04	+0.02
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.01	-0.01
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.20	0.00	-0.20
2) 10-Year/24-Hour	0.40	0.00	-0.40
3) 50-year/24-Hour	0.71	0.20	-0.51
4) 100-year/24-Hour	0.89	0.51	-0.38

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>1,481cf(2-yr);</u> <u>4,356cf(100-yr)</u> _____ _____ _____	_____ <u>0.17</u> _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Valve Yard Pad area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Berm/Channel to ensure it has been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Valve Yard Pad to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Valve Yard Pad the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the outlet structure.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline – MLV-515RA40-Hildebrandt Tie-In

b. Summary Table for Supporting Calculation and Measurement Data

(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Toby Creek

Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.0	0.22	+0.22
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.03	0.07	+0.04
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.01	-0.02
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.34	0.20	-0.14
2) 10-Year/24-Hour	0.67	0.38	-0.29
3) 50-year/24-Hour	1.20	0.65	-0.55
4) 100-year/24-Hour	1.52	0.80	-0.72

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Vegetated Swale	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>2,265cf(2-yr);</u> <u>5,881cf(100-yr)</u>	_____ <u>0.21</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____

<input type="checkbox"/> Roadside Vegetated Filter Strips		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Stormwater Energy Dissipaters	Infiltration/Recharge			
<input type="checkbox"/> Level Spreaders		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Riprap Aprons		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Upslope Diversions		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Other _____		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____

d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Valve Yard Pad area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Channel to ensure it has been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Valve Yard Pad to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Valve Yard Pad the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the outlet structure.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Effort Loop Pipeline-MLV-505LD86 Sugar Hollow Valve Yard

<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i> The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Pohopoco Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.26</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.09	0.62	+0.53
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.35	0.44	+0.09
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.28	-0.07
Stormwater discharge rate for the design frequency storm DA-1	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.01	0.01	-0.00
2) 10-Year/24-Hour	0.37	0.31	-0.06
3) 50-year/24-Hour	5.89	4.21	-1.68
4) 100-year/24-Hour	11.47	8.28	-3.19
Stormwater discharge rate for the design frequency storm DA-2	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	4.51	3.97	-0.54
2) 10-Year/24-Hour	12.49	12.28	-0.21
3) 50-year/24-Hour	26.58	24.35	-2.23
4) 100-year/24-Hour	35.41	31.74	-3.67

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input checked="" type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ <u>1,123cf(2-yr);</u> <u>21,318cf(100-yr)</u> _____ <u>5,915cf(2-yr);</u> <u>26,924cf(100-yr)</u>	_____ _____ <u>2.85</u> _____ <u>1.54</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. For the final grading of the access road, ensuring it is constructed according to the plan details for proper conveyance of runoff.
2. Following final grading and seeding of the diversion channels and basin, in order to confirm they have been constructed according to the plan details for proper collection and conveyance of runoff. Periodic assessments will need to be made to ensure accumulated sediment have been cleaned out so the channels and basin maintain the necessary design volumes.
3. During the layout and excavation of the outlet control structure, the professional or delegate will ensure sizing, materials specifications, and construction procedures are followed to enable proper storage in the basin.
4. Following final grading and seeding of the infiltration berm in order to confirm they have been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessment will need to be made to ensure that accumulated sediment have been cleaned out so the area behind the berm maintains the necessary design volume.
5. For final inspection of constructed channels, basin and berms.
6. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Compressor Station 200

b. Summary Table for Supporting Calculation and Measurement Data

(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Valley Creek

Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.30</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.25	0.40	+0.15
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.07	0.11	+0.04
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.07	-0.00
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	1.03	0.15	-0.88
2) 10-Year/24-Hour	2.06	1.39	-0.67
3) 50-year/24-Hour	3.19	2.79	-0.40
4) 100-year/24-Hour	3.97	3.50	-0.47

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>3,790cf(2-yr);</u> <u>11,631cf(100-yr)</u>	_____ _____ _____ _____ <u>0.56</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Following final grading and seeding of the infiltration berm in order to confirm it has been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessments will need to be made to ensure that accumulated sediment should be cleaned out so the channels and berm maintain necessary design volume.
2. For final inspection of constructed BMPs.
3. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E & S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESGCP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Compressor Station 515

<p align="center">b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i></p> <p>The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Bear Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.34	2.44	+2.10
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.50	0.81	+0.31
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.18	-0.32
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	5.46	1.76	-3.70
2) 10-Year/24-Hour	10.19	8.30	-1.89
3) 50-year/24-Hour	16.85	9.55	-7.30
4) 100-year/24-Hour	20.81	9.58	-11.23

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>31,799cf(2-yr):</u> <u>96,268cf(100-yr)</u>	_____ _____ _____ _____ <u>3.83</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

- Following final grading and seeding of the collection channels and infiltration berm in order to confirm they have been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessments will need to be made to ensure that accumulated sediment should be cleaned out so the channels and berm maintain necessary design volume.
- For final inspection of constructed BMPs.
- At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E & S controls.

SECTION I. ANTIDEGRADATION ANALYSIS

This section must be completed where earth disturbance activities will be conducted in the watershed of a surface water with an existing or designated use of exceptional value or high quality pursuant to Chapter 93 (relating to water quality standards), projects where any part is located in an exceptional value wetland in accordance with 25 Pa. Code § 105.17, and projects where any part is located in the watershed of an impaired surface water where the cause of impairment is identified as siltation.

Part 1 - NONDISCHARGE ALTERNATIVES EVALUATION

The applicant must consider and describe any and all non-discharge alternatives for the entire project area which are environmentally sound and will:

- Minimize accelerated erosion and sedimentation during the earth disturbance activity
- Achieve no net change from pre-development to post-development volume, rate and concentration of pollutants in water quality

E & S Plan	PCSM/SR Plan
<p>Check off the environmentally sound nondischarge Best Management Practices (BMPs) listed below to be used prior to, during, and after earth disturbance activities that have been incorporated into your E & S Plan based on the site analysis. For non-discharge BMPs not checked, provide an explanation of why they were not utilized. Also for BMPs checked, provide an explanation of why they were utilized. (Provide the analysis and attach additional sheets if necessary)</p> <p>See Section 2 of this ESCGP-3 Application</p>	<p>Check off the environmentally sound nondischarge Best Management Practices (BMPs) listed below to be used after construction that have been incorporated into the PCSM/SR Plan based on your site analysis. For non-discharge BMPs not checked, provide an explanation of why they were not utilized. Also for BMPs checked, provide an explanation of why they were utilized. (Provide the analysis and attach additional sheets if necessary)</p> <p>See Section 3 of this ESCGP-3 Application</p>
<p>Nondischarge BMPs</p> <p><input type="checkbox"/> Alternative Siting</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative location</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative configuration</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative location of discharge</p> <p><input checked="" type="checkbox"/> Limited Disturbed Area</p> <p><input type="checkbox"/> Limiting Extent & Duration of Disturbance (Phasing, Sequencing)</p> <p><input type="checkbox"/> Riparian Buffers (150 ft. min.)</p> <p><input type="checkbox"/> Riparian Forest Buffer (150 ft. min.)</p> <p><input type="checkbox"/> Other _____</p>	<p>Nondischarge BMPs</p> <p><input type="checkbox"/> Alternative Siting</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative location</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative configuration</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative location of discharge</p> <p><input type="checkbox"/> Low Impact Development (LID / BSD)</p> <p><input type="checkbox"/> Riparian Buffers (150 ft. min.)</p> <p><input type="checkbox"/> Riparian Forest Buffer (150 ft. min.)</p> <p><input checked="" type="checkbox"/> Infiltration</p> <p><input type="checkbox"/> Water Reuse</p> <p><input type="checkbox"/> Other _____</p>
<p>Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality during construction?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, antidegradation analysis is complete. If no, proceed to Part 2.</p>	<p>Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality after construction?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, antidegradation analysis is complete. If no, proceed to Part 2.</p>

PART 2 - ANTIDEGRADATION BEST AVAILABLE COMBINATION OF TECHNOLOGIES (ABACT)

If the net change in stormwater discharge from or after construction is not fully managed by nondischarge BMPs, the applicant must utilize ABACT BMPs to manage the difference. The Applicant must specify whether the discharge will occur during construction, post-construction or both, and identify the technologies that will be used to ensure that the discharge will be a non-degrading discharge. ABACT BMPs include but are not limited to:

E & S Plan	PCSM/SR Plan
<p><input checked="" type="checkbox"/> Treatment BMPs:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Sediment basin with skimmer <input type="checkbox"/> Sediment basin ratio of 4:1 or greater (flow length to basin width) <input type="checkbox"/> Sediment basin with 4-7 day detention <input type="checkbox"/> Flocculants <input checked="" type="checkbox"/> Compost Filter Socks <input checked="" type="checkbox"/> Compost Filter Sock Sediment Basin <input checked="" type="checkbox"/> RCE w/ Wash Rack <p><input checked="" type="checkbox"/> Land disposal:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Vegetated filters <input type="checkbox"/> Riparian buffers <150ft. <input type="checkbox"/> Riparian Forest Buffer <150ft. <input checked="" type="checkbox"/> Immediate stabilization <p><input checked="" type="checkbox"/> Pollution prevention:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> PPC Plans <input checked="" type="checkbox"/> Street sweeping <input checked="" type="checkbox"/> Channels, collectors and diversions lined with permanent vegetation, rock, geotextile or other non-erosive materials <p><input type="checkbox"/> Stormwater reuse technologies:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Sediment basin water for dust control <input type="checkbox"/> Sediment basin water for irrigation <p><input type="checkbox"/> Other _____</p>	<p><input checked="" type="checkbox"/> Treatment BMPs:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Infiltration Practices <input type="checkbox"/> Wet ponds <input type="checkbox"/> Created wetland treatment systems <input checked="" type="checkbox"/> Vegetated swales <input type="checkbox"/> Manufactured devices <input checked="" type="checkbox"/> Bio-retention/infiltration <input type="checkbox"/> Green Roofs <p><input type="checkbox"/> Land disposal:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Vegetated filters <input type="checkbox"/> Riparian Buffers <150ft. <input type="checkbox"/> Riparian Forest Buffer <150ft. <input type="checkbox"/> Disconnection of roof drainage <input type="checkbox"/> Bio-retention/bio-infiltration <p><input checked="" type="checkbox"/> Pollution prevention:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Street sweeping <input type="checkbox"/> Nutrient, pesticide, herbicide or other chemical application plan alternatives <input checked="" type="checkbox"/> PPC Plans <input checked="" type="checkbox"/> Non-structural Practices <input checked="" type="checkbox"/> Restoration BMPs <p><input type="checkbox"/> Stormwater reuse technologies:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Divert rainwater into impoundment <input type="checkbox"/> Underground storage <p><input type="checkbox"/> Spray/Drip Irrigation</p> <p><input type="checkbox"/> Other _____</p>
<p>Are the ABACT BMPs selected sufficient to minimize E&S discharges to the extent that existing or designated surface water uses are protected?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.</p>	<p>Are the ABACT BMPs selected sufficient to achieve no net change and assure that existing or designated surface water uses are protected?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.</p>

SECTION J. COMPLIANCE HISTORY REVIEW

Is/was the applicant(s) in violation of any Department regulation, order, schedule of compliance or permit or in violation of any department regulated activities within the past five years?

☒ Yes ☐ No

If yes, provide the permit number or facility name, a brief description of the violation, the compliance schedule (including dates and steps to achieve compliance) and the current compliance status. (Attach additional information on a separate sheet, when necessary)

Permit Program or Activity: Chapter 102, Chapter 105, PAG-10

Permit Number (if applicable):

1. ESG03000150001, ESG00350150001, ESG00081150001
2. E41-649
3. E-19-311, E36-947, E-38-195, E40-769, E49-336, E54-360, E58-315, E66-160, E41-667, E18-495,
4. PAG109632

Brief Description of non-compliance:

Consent Assessment of Civil Penalty, Reports past due.

Steps taken to achieve compliance

1. Consent Assessment of Civil Penalty
2. Consent Assessment of Civil Penalty. Permits being obtained to complete channel restoration
3. Consent Assessment of Civil Penalty
4. All past due reports were provided to PADEP

Date(s) compliance achieved



1. 9/20/2020
2. 8/9/2020
3. 9/20/2020
4. 12/14/2017

Current Compliance Status: ☒ In-Compliance ☐ In Non-Compliance

If in non-compliance, attach schedule for achieving compliance.

SECTION K. CERTIFICATION BY PERSON PREPARING E&S AND PCSM/SR PLANS

I do hereby certify to the best of my knowledge, information, and belief, that the Erosion and Sediment Control and PCSM/Site Restoration Plans are true and correct, represent actual field conditions, and are in accordance with the 25 Pa. Code Chapters 78/78a and 102 of the Department's rules and regulations. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Print Name Kevin C. Clark	Signature 	Professional Seal 	
Company BAI Group, LLC			
Address 2525 Green Tech Drive, Suite D, State College, PA-16803			
Phone (814) 238-2060			
Most Recent DEP Training Attended	Location		Date
e-Mail Address <u>kclark@baigroupllc.com</u>			

EXPEDITED REVIEW PROCESS

In addition to the certification required above, applicants using the expedited permit review process must attach an E&S and PCSM/Site Restoration Plans developed and sealed by a licensed professional engineer, surveyor or professional geologist. The plans shall contain the following certification:

I do hereby certify to the best of my knowledge, information, and belief, that the E & S Control and PCSM/SR BMPs are true and correct, represent actual field conditions and are in accordance with the 25 Pa. Code Chapters 78 / 78a and 102 of the Department's rules and regulations. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SECTION L. APPLICANT CERTIFICATION

Applicant Certification

I certify under penalty of law, as provided by 18 Pa. C.S.A. § 4904, that this application and all related attachments were prepared by me or under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my own knowledge and on inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. The responsible official's signature also verifies that the activity is eligible to participate in the ESCGP, and that the applicant agrees to abide by the terms and conditions of the permit. BMP's, E&S Plan, PPC Plan, PCSM Plan, and other controls are being or will be, implemented to ensure that water quality standards and effluent limits are attained.

I grant permission to the agencies responsible for the permitting of this work, or their duly authorized representative to enter the project site for inspection purposes. I will abide by the conditions of the permit if issued and will not begin work prior to permit issuance.

(For individuals no indication of title is necessary, choose the box below. All others proceed to the next paragraph)

☐ **Individual; proceed to signature portion.**

I hereby certify under penalty of law, as provided by 18 Pa. C.S.A. § 4904, that I am the person who is responsible for decision-making regarding environmental compliance functions for Transcontinental Gas Pipeline Company, LLC, the manager of one or more manufacturing, production, or operating facilities of the applicant and am authorized to make management decisions which govern the operation of regulated facility including having explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure the applicant's long term environmental compliance with environmental laws and regulations; and I am responsible for ensuring that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements.

(choose one of the following; not applicable for individuals):

☐ The responsible corporate officer ☐ president ☐ vice president ☐ secretary
☐ treasure of _____ Corporation/Company
Entity name

☒ The ☐ member or ☒ manager of Transcontinental Gas Pipe Line Company, LLC
Entity name

☐ The general partner of _____ partnership/LP/LLP
Entity name

☐ The principal executive officer or ranking elected official of _____ Municipality/State/Federal/other public
agency
Entity name

☐ Power of Attorney/delegation of contractual authority (documentation supporting delegation of contracting
authority must be provided) for _____
Entity name

Print Name and Title of Applicant

Print Name and Title of Co-Applicant (if applicable)

Signature of Applicant

Signature of Co-Applicant

Date Application Signed

Date Application Signed

Notarization

Sworn to and subscribed to before me this

Commonwealth of Pennsylvania

_____ day of _____, 20_____

County of _____

Notary Public

My Commission expires _____

AFFIX SEAL

SECTION M. ADDITIONAL CONTACT INFORMATION				
Contact's Last Name	First Name	MI	Phone (814) 689-1650	
Nelson	Ryan	J	FAX	
Mailing Address	City	State	ZIP + 4	
2525 Green Tech Drive, Suite B	State College	PA	16803	
e-Mail Address ryann@whmgroup.com				

Section 1-1.1 NOI Supporting Information

Project Component	Site	Site Location City	ZIP Code	County	Municipality	Total Project Area/Project Site (Acre)	Total Disturbed Area (Acre)	Latitude / Longitude	U.S.G.S. 7.5 min. Topographic Quadrangle	Receiving Waters	Chapter 93, Designated Use Stream Classification	Chapter 93, Existing Use Stream Classification	Siltation Impaired
Regional Energy Lateral					Buck, Bear Creek, Plains, Jenkins, Kingston, Dallas, Wyoming, West Wyoming, Laflin	952.63	420.67 (includes CS 515 and sites below)	41.173337, -75.671706 (eastern terminus) 41.346917, -75.946263 (western terminus)	Kingston, Pittston, Avoca, Wilkes-Barre East, Pleasant View Summit	Stony Run, Shades Creek, Little Shades Creek, Snider Run, Meadow Run, Bear Creek, Little Bear Creek, Mill Creek, Gardner Creek, Susquehanna River, Abrahams Creek, Toby Creek, Trout Brook	MF, HQ-CWF, WWF, CWF	-	No
	Pipeline			Luzerne									
	CY-LU-001	Wyoming	18644	Luzerne	Wyoming		16.3 (Included within above total)	41.31016, -75.84636		Abrahams Creek	CWF, MF	-	No
	CY-LU-002	Wilkes-Barre	18702	Luzerne	Laflin		11.4 (Included within above total)	41.28491, -75.79026		Gardner Creek	CWF, MF	-	No
	MLV-515RA20	Wilkes-Barre	18702	Luzerne	Bear Creek Township		0.46 (Included within above total)	41.25279, -75.75856		Mill Creek	CWF, MF	-	No
	MLV-515RA30	Wyoming	18644	Luzerne	Wyoming Borough		0.44 (Included within above total)	41.30411, -75.84662		Susquehanna River	WWF		No
	Carverton Tie-in	Wyoming	18644	Luzerne	West Wyoming Borough		3.9 (Included within above total)	41.32053, -75.87270		Abrahams Creek	CWF, MF		No
	Lower Demunds REL Tie-in	Dallas	18612	Luzerne	Dallas Township		1.7 (Included within above total)	41.34652, -75.94551		Trout Brook	CWF, MF		No
	Hildebrandt Tie-in/MLV-515RA40	Dallas	18612	Luzerne	Dallas Township		3.1 (Included within above total)	41.34692, -75.94629		Toby Creek, Trout Brook	CWF, MF		No
	Laflin Borough Stream Stabilization	Wilkes-Barre	18702	Luzerne	Laflin Borough		0.94 (Included within above total)	41.28925, -75.80209		Gardner Creek	CWF, MF	-	No
Effort Loop	Pipeline			Monroe	Ross, Chestnuthill, Tunkhannock	360.63	262.18	40.896796, -75.370606 (Southeast Terminus) 41.053413, -75.526178 (Northwest Terminus)	Blakeslee, Pocono Pines, Brodheads ville, Saylorsburg	Lake Creek, Princess Run, Weir Creek, McMichael Creek, Pohopoco Creek, Sugar Hollow Creek, Poplar Creek, Mud Run, Mud Pond Run, Tunkhannock Creek	EV, MF, HQ-CWF, CWF	EV, MF	No

Regional Energy Access Expansion Project
ESCGP-3 Permit Application
Transcontinental Gas Pipe Line Company, LLC
Section 1-1.1 NOI Supporting Information

Project Component	Site	Site Location City	ZIP Code	County	Municipality	Total Project Area/Project Site (Acre)	Total Disturbed Area (Acre)	Latitude / Longitude	U.S.G.S. 7.5 min. Topographic Quadrangle	Receiving Waters	Chapter 93, Designated Use Stream Classification	Chapter 93, Existing Use Stream Classification	Siltation Impaired
	MLV-505LD86 Sugar Hollow Valve Yard	Effort	18330	Monroe	Chestnut Hill Township		8.8 (Included within above total)	40.96775, -75.42980		Sugar Hollow Creek	CWF, MF	-	No
	CY-MO-001	Saylorsburg	18353	Monroe	Ross Township		50.1 (Included within above total)	40.89803, -75.36784		Lake Creek, Princess Run	HQ-CWF, MF, CWF	-	No
Delaware River Regulator		Easton	18040	Northampton	Lower Mt. Bethel	11.28	3.25	40.76220 -75.19653	Bangor, PA	Mud Run	CWF, MF	-	No
Mainline “A” Regulator		Washington Crossing	18977	Bucks	Lower Makefield	0.94	0.530	40.26807, -74.85712	Pennington, NJ-PA	Dyers Creek, Delaware River	MF, WWF	-	No
Compressor Station 200		Frazer	19335	Chester	East Whiteland	20.28	3.16	40.04998, -75.58589	Malvern, PA	Valley Creek	EV, MF, CWF	-	Yes
Compressor Station 515		White Haven	18661	Luzerne	Buck	952.63 (Included with Regional Energy Lateral)	24.83 (included with Regional Energy Lateral)	41.17380, -75.67118	Pleasant View Summit, PA	Shades Creek, Stony Run	HQ-CWF, MF	-	No

SECTION 1.6.5
BUCKS COUNTY
(MAINLINE A REGULATOR)



COUNTY NOTIFICATION OF PLANNED LAND DEVELOPMENT FOR CHAPTER 102 PERMITS

PROJECT INFORMATION (COMPLETED BY APPLICANT)

Applicant Name: **Transcontinental Gas Pipe Line Company, a subsidiary of Williams Partners, L.P.**

Contact Name: **Joseph Dean**
Manager-Permitting

Applicant Address: **2800 Post Oak Blvd, Level 11**

Contact Phone: **(713) 215-3427**

Applicant City, State, ZIP: **Houston, TX 77056**

County: **Bucks**

Description of Proposed Land Development and Stormwater Controls:

Municipality: **Lower Makefield**

The existing Mainline A Regulator component of the Regional Energy Access Expansion Project is proposed to add pressure regulation controls to existing valve settings. E&S BMP's are proposed.

Project Area: **0.94** acres ☐ Phased

Disturbance: **0.53** acres

Surface Waters Receiving Stormwater Discharges:

Dyers Creek, Delaware River

Tax Parcel ID(s) Affected by Proposed Land Development:

20-011-014-003 & 20-011-015

Discharge to: ☐ MS4 ☐ Other SS ☐ CSS

The following information was submitted to the county for this project:

☐ Land Development / Subdivision Plan ☒ E&S Plan ☐ PCSM Plan ☐ Other:

***On March 31, 2021 Transco submitted to you its E&S and PCSM Plans (Plans) as part of the ESCGP-3 permit application notification. The purpose of this notice is to let you know that Transco will be submitting an Erosion and Sediment Control Permit for Discharges of Stormwater Associated with Construction Activities Application to the PA Dept. of Environmental Protection to replace the ESCGP-3 application. Please refer to the previously submitted Plans.**

COUNTY PLAN INFORMATION (COMPLETED BY COUNTY)

Name of county organization completing this assessment:

- | | | |
|--|------------------------------|--|
| 1. Is there an adopted county or multi-county comprehensive plan? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 2. If Yes to #1, is the proposed project consistent with the county plan? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| 3. Is there a DEP-approved Act 167 stormwater management plan? | <input type="checkbox"/> Yes | <input type="checkbox"/> No <input type="checkbox"/> CCD |
| 4. If Yes to #3, is the proposed project consistent with the Act 167 plan, without waiver? | <input type="checkbox"/> Yes | <input type="checkbox"/> No <input type="checkbox"/> CCD |
| 5. If Yes to #3, list the date of the latest plan / update approved by DEP: | <input type="checkbox"/> CCD | |

APPLICANT CERTIFICATION

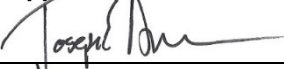
I certify under penalty of law (see 18 Pa.C.S. § 4904 (relating to unsworn falsification)) that the information reported herein was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the information, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

COUNTY ACKNOWLEDGEMENT

The county acknowledges that a permit application for the above-referenced project has been submitted to a reviewing agency and that notification requirements of Act 14 of 1984 and Acts 67, 68, and 127 of 2000 have been satisfied. The information reported herein by the county is true and accurate. County acknowledgment of receipt of notification shall not be construed as project approval.

Joseph Dean

Applicant Name



Applicant Signature

Manager - Permitting

Applicant Title

07/01/2021

Date of Signature

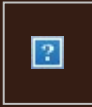
County Representative Name

County Representative Signature

County Representative Title

Date of Signature

From: [UPS](#)
To: SFOX@WHMGROUP.COM
Subject: UPS Delivery Notification, Tracking Number 1Z8797VV0392441611
Date: Wednesday, July 7, 2021 10:06:56 AM



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WHM CONSULTING, INC

Tracking Number: [1Z8797VV0392441611](#)

Ship To:

BUCKS COUNTY COMMISSIONERS
55 EAST COURT STREET
DOYLESTOWN, PA 18901
US

Number of Packages: 1

UPS Service: UPS Ground

Package Weight: 1.0 LBS

Reference Number: WILLIAMS-20-244, TASK 2C



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March 31, 2021

UPS TRACKING (1Z8797VV0392440318)

Bucks County Commissioners
55 East Court Street
Doylestown, PA 18901

Re: Regional Energy Access Expansion Project – Mainline “A” Regulator
Pennsylvania Acts 14, 67, 68, and 127 Notification
Lower Makefield Township, Bucks County, Pennsylvania

Dear County Commissioners:

This municipal notice, under the requirements of Act 14, 97 P.S. § 510-5, is to inform you that Transcontinental Gas Pipe Line Company, LLC (Transco), a subsidiary of The Williams Companies, Inc. (Williams) is applying for coverage under the Erosion and Sediment Control General Permit (ESCGP-3) for Earth Disturbance Associated with Oil & Gas Exploration, Production, Processing or Treatment Operations or Transmission Facilities from the Pennsylvania Department of Environmental Protection (DEP).

1) Project Name: Regional Energy Access Expansion Project – Mainline “A” Regulator

2) Project Description: Transco, indirectly owned by The Williams Companies, Inc. (Williams), is seeking authorization from the Federal Energy Regulatory Commission (FERC or Commission) under Section 7(c) of the Natural Gas Act and Part 157 of the Commission’s regulations, to construct, own, operate, and maintain the proposed Project facilities. The Project is an expansion of Transco’s existing natural gas transmission system that will enable Transco to provide an incremental 829,400 dekatherms per day (Dth/d) of year-round firm transportation capacity from the Marcellus Shale production area in northeastern Pennsylvania (PA) to multiple delivery points along Transco’s Leidy Line in PA, Transco’s mainline at the Station 210 Zone 6 Pooling Point in Mercer County, New Jersey (NJ) and multiple delivery points in Transco’s Zone 6 in NJ, PA, and Maryland (MD).

The existing Mainline A Regulator component of the Project is located in Lower Makefield Township, Bucks County. Proposed are facility modifications to add pressure regulation controls to existing valve settings.

3) Applicant Name: Transcontinental Gas Pipe Line Company, LLC’s (Transco), a subsidiary of Williams Partners L.P. (Williams)

4) Applicant Contact: Joseph Dean
Environmental Manager
2800 Post Oak Blvd, Level 11
Houston, TX 77056
(713) 215-3417

5) Site Location: The proposed Project is located on the Pennington, New Jersey-Pennsylvania, 7.5 Minute USGS quadrangle at 40°16'5.22"N, 74°51'25.38"W.

6) Municipality / County: Lower Makefield Township, Bucks County

Act 14, which amended the Commonwealth’s Administrative Code (71 P.S. § 510-5), requires every applicant for a new, amended, or revised permit to give written notice to each municipality (borough, township) and county government in which the facility is located. The municipality and county government must receive the written notice at least thirty (30) - days before DEP may issue or deny approval of coverage.

Enclosed is a complete copy of the Notice of Intent (NOI) completed for the project as well as copies of the erosion and sediment control plans.

Sincerely,

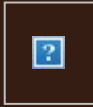
A handwritten signature in black ink, appearing to read "Ryan J. Nelson". The signature is fluid and cursive, with a long horizontal stroke at the end.

Ryan J. Nelson, PWS
WHM Consulting, LLC

Enclosures:

NOI Form
Erosion and Sediment Control Plan Drawings

From: [UPS](#)
To: SFOX@WHMGROUP.COM
Subject: UPS Delivery Notification, Tracking Number 1Z8797VV0392440318
Date: Thursday, April 1, 2021 10:21:40 AM



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WHM CONSULTING, INC

Tracking Number: [1Z8797VV0392440318](#)

Ship To: BUCKS COUNTY COMMISSIONERS
55 EAST COURT STREET
DOYLESTOWN, PA 18901
US

Number of Packages: 1

UPS Service: UPS Ground

Package Weight: 1.0 LBS

Reference Number: WILLIAMS 20-268, TASK 2



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Address	City	State	ZIP Code
Email Address			

SECTION C. SITE INFORMATION					
Is there an existing ESCGP associated with this site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, Permit No. _____					
Has a well permit application been submitted for this site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, Permit No. _____					
Does this site have a 911 address? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, <u>provide site location address.</u>					
Site Name Regional Energy Access Expansion Project					
Site Location See Attachment 1-1.1- NOI Supporting Information			Site No. (if another permit has been issued for the site)		
Site Location – City See Attachment 1-1.1- NOI Supporting Information				State PA	ZIP Code
Detailed Written Directions to Site See Attachment 1-1.1- NOI Supporting Information for locations of all project sites					
Primary Location	County Luzerne, Northampton, Bucks, Chester, and Monroe	Municipality Buck, Bear Creek, Plains, Jenkins, Kingston, Lower Mt. Bethel, Ross, Chestnut Hill, Tunkhannock, Lower Makefield, East Whiteland and Dallas Townships Wyoming, West Wyoming, and Laflin Boroughs	City <input type="checkbox"/>	Boro <input checked="" type="checkbox"/>	Twp. <input checked="" type="checkbox"/>
SECTION D. EXPEDITED REVIEW					
I. Expedited Review Eligibility					
1. Is any part of the project in the watershed of a surface water with an existing or designated use of exceptional value or high quality pursuant to Chapter 93 (relating to water quality standards), in an exceptional value wetland in accordance with 25 Pa. Code § 105.17, or in the watershed of an impaired surface water where the cause of the impairment is identified as siltation?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
2. Will the project in which the well pad will be constructed be in or on a floodplain?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Is any earth disturbance located or proposed to be located on land known to be contaminated by the release of regulated substances as defined in Section 103 of Act 2, 35 P.S. § 6026.103?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4. Will naturally occurring geologic formations or soil conditions provide hazards to the project or surrounding environment or have the potential to cause or contribute to pollution when disturbed?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
5. Do any unresolved non-compliance issues exist with the applicant or the facility?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
6. Is the project a transmission project?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

<p>If yes to any of the above questions the project is not eligible for Expedited Review; If the project is eligible for Expedited Review, all the following items must be completed.</p>	
<p>II. Expedited Review Process</p>	
1. Is the technically and administratively complete and accurate NOI package prepared and certified by a licensed professional?	<input type="checkbox"/> Yes <input type="checkbox"/> No
2. Are E&S and PCSM/Site Restoration Plan drawings and narrative prepared and sealed by a licensed professional? <i>(Include interim restoration details when needed)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No
3. Include a Resource Delineation Report and answer the following questions: (If the answer to question a. is "Yes" then skip to #4. If the answer to a. is "No" the applicant must answer "Yes" to at least one of the questions, b. through d. to be eligible for expedited review.)	
a. Were all wetland resources delineated during the growing season?	<input type="checkbox"/> Yes <input type="checkbox"/> No
b. If not during the growing season, was a follow-up visit conducted during the growing season to verify/adjust boundaries and look for potentially missed resources?	<input type="checkbox"/> Yes <input type="checkbox"/> No
c. Was a quality assurance field review conducted at a later date by an independent qualified wetland professional to verify boundaries and look for potentially missed resources? (If yes, attach Quality Assurance Field Review Report)	<input type="checkbox"/> Yes <input type="checkbox"/> No
d. Was a Jurisdictional Determination (JD) or Preliminary JD conducted by the US Army Corps of Engineers on the whole project? (If yes, attach Preliminary or Jurisdictional Determination Report)	<input type="checkbox"/> Yes <input type="checkbox"/> No
4. If applicable, have you included PNDI clearance letters or other documentation from applicable resource agencies?	<input type="checkbox"/> Yes <input type="checkbox"/> No
5. If the project site contains, is along, or within 100 feet of a river, stream, creek, lake, pond or reservoir, will you establish new or preserve existing riparian forest buffer at least 100 feet in width between the top of streambank or normal pool elevation of a lake, pond or reservoir and areas of earth disturbances. If no, will a waiver be obtained? <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
6. Name of Licensed Professional	
Company	
Address	
Phone	

SECTION E. PROJECT INFORMATION																	
1. Total Project Area/Project Site (Ac):	1,346 (Also see Attachment 1-1.1)	Total Disturbed Area (Ac):	689.8 (Also see Attachment 1-1.1)														
Increased disturbed acreage <i>(for permit modification only)</i>																	
Fee: <i>(For additional information regarding fees, refer to NOI Instructions #3 Permit NOI Filing Fees.)</i>			\$ \$500 (Filing Fee), \$69,000 (Disturbed Acre Fee)														
2. Project Name: Regional Energy Access Expansion Project																	
3. Project Type (Check all that apply) <table border="0" style="width: 100%;"> <tr> <td><input type="checkbox"/> Oil/Gas Well ¹</td> <td><input checked="" type="checkbox"/> Transmission Facility</td> </tr> <tr> <td><input type="checkbox"/> Gathering Facility</td> <td><input type="checkbox"/> Processing Facility</td> </tr> <tr> <td><input type="checkbox"/> Treatment Facility</td> <td><input type="checkbox"/> Well Development Impoundment</td> </tr> <tr> <td><input checked="" type="checkbox"/> Compressor Station</td> <td><input type="checkbox"/> Non-FERC regulated Transmission Facility</td> </tr> <tr> <td><input checked="" type="checkbox"/> Pipeline</td> <td><input type="checkbox"/> Ground/Surface Water Withdrawal Site</td> </tr> <tr> <td><input type="checkbox"/> Storage Field Facility</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Other</td> <td></td> </tr> </table>				<input type="checkbox"/> Oil/Gas Well ¹	<input checked="" type="checkbox"/> Transmission Facility	<input type="checkbox"/> Gathering Facility	<input type="checkbox"/> Processing Facility	<input type="checkbox"/> Treatment Facility	<input type="checkbox"/> Well Development Impoundment	<input checked="" type="checkbox"/> Compressor Station	<input type="checkbox"/> Non-FERC regulated Transmission Facility	<input checked="" type="checkbox"/> Pipeline	<input type="checkbox"/> Ground/Surface Water Withdrawal Site	<input type="checkbox"/> Storage Field Facility		<input type="checkbox"/> Other	
<input type="checkbox"/> Oil/Gas Well ¹	<input checked="" type="checkbox"/> Transmission Facility																
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<input type="checkbox"/> Treatment Facility	<input type="checkbox"/> Well Development Impoundment																
<input checked="" type="checkbox"/> Compressor Station	<input type="checkbox"/> Non-FERC regulated Transmission Facility																
<input checked="" type="checkbox"/> Pipeline	<input type="checkbox"/> Ground/Surface Water Withdrawal Site																
<input type="checkbox"/> Storage Field Facility																	
<input type="checkbox"/> Other																	
¹ If Oil/Gas Well; is the well conventional or unconventional? <input type="checkbox"/> Conventional <input type="checkbox"/> Unconventional																	

Project Description

Transco, indirectly owned by The Williams Companies, Inc. (Williams), is seeking authorization from the Federal Energy Regulatory Commission (FERC or Commission) under Section 7(c) of the Natural Gas Act and Part 157 of the Commission's regulations, to construct, own, operate, and maintain the proposed Project facilities

The Project is an expansion of Transco's existing natural gas transmission system that will enable Transco to provide an incremental 829,400 dekatherms per day (Dth/d) of year-round firm transportation capacity from the Marcellus Shale production area in northeastern Pennsylvania (PA) to multiple delivery points along Transco's Leidy Line in PA, Transco's mainline at the Station 210 Zone 6 Pooling Point in Mercer County, New Jersey (NJ) and multiple delivery points in Transco's Zone 6 in NJ, PA, and Maryland (MD). The Project will consist of the following components:

- Approximately 22.3 miles of 30-inch-diameter pipeline partially collocated with Transco's Leidy Line A from milepost (MP) 0.00 to MP 22.32 in Luzerne County, PA (Regional Energy Lateral);
 - Approximately 13.8 miles of 42-inch-diameter pipeline collocated with Transco's Leidy Line System from MP 43.72 to MP 57.50 in Monroe County, PA (Effort Loop);
 - New gas-fired turbine driven compressor station identified as Compressor Station 201 with 11,107 nominal horsepower (HP) at International Organization of Standardization (ISO) conditions in Gloucester County, NJ;
 - Addition of two gas-fired turbine driven compressor units with 31,800 nominal HP at ISO conditions at existing Compressor Station 505 in Somerset County, NJ, to accommodate the abandonment and replacement of approximately 16,000 HP from eight existing internal combustion engine-driven compressor units and increase the certificated station compression by 15,800 HP;
 - Addition of two gas-fired turbine driven compressor units with 63,742 nominal HP at ISO conditions and modification of three existing compressors at existing Compressor Station 515 in Luzerne County, PA to support the Project and to accommodate the abandonment and replacement of approximately 17,000 HP from five existing gas-fired reciprocating engine driven compressors and increase the certificated station compression by 46,742 HP;
 - Uprate and rewheel two existing electric motor-driven compressor units at existing Compressor Station 195 in York County, PA to increase the certificated station compression by 5,000 HP and accommodate the abandonment of two existing gas-fired reciprocating engine driven compressors which total approximately 8,000 HP of compression;
 - Modifications at existing Compressor Station 200 in Chester County, PA;
 - Uprate one existing electric motor-driven compressor unit at Compressor Station 207 in Middlesex County, NJ to increase the certificated station compression by 4,100 HP;
 - Modifications to three (3) existing pipeline tie-ins in PA (Hildebrandt Tie-in, Lower Demunds REL Tie-in, and Carverton Tie-in);
 - Addition of regulation controls at an existing valve setting on Transco's Mainline "A" in Bucks County, PA (Mainline A Regulator);
 - Modifications at the existing Delaware River Regulator in Northampton County, PA;
 - Modifications at the existing Centerville Regulator in Somerset County, NJ;
 - Modifications to the existing valves and piping at the Princeton Junction (Station 210 Pooling Point) in Mercer County, NJ;
 - Modifications to three (3) existing delivery meter stations in NJ (Camden M&R Station, Lawnside M&R Station, and Mt. Laurel M&R Station);
 - Modifications to one (1) existing delivery meter station in MD (Beaver Dam M&R Station);
 - Contractual changes (no modifications) at ten (10) existing delivery meter stations in PA and NJ (Algonquin-Centerville Meter Station, Post Road Meter Station, New Village Meter Station, Spruce Run Meter Station, Marcus Hook Meter Station, Ivyland Meter Station, Repaupo Meter Station, Morgan Meter Station, Lower Mud Run Meter Station, and Chesterfield Meter Station);
 - Additional ancillary facilities, such as mainline valves (MLVs), cathodic protection, communication facilities, and internal inspection device (e.g., pig) launchers and receivers in PA; and
 - Existing, improved, and new access roads and contractor yards/staging areas in PA, NJ, and MD.
- Provide the date of pre-application meeting (if conducted with the Department) 04/27/20, 07/09/20, 09/04/20, 09/30/20, 12/15/20, 12/16/20, 01/06/21, 02/05/21

4. Provide the latitude and longitude coordinates for the center of the project. The coordinates should be in Decimal degrees and North American Datum 1983. The coordinates must meet the current DEP policy regarding locational accuracy. For linear projects provide the project's termini. See Attachment 1-1.1

Latitude (DD) . Latitude (DD) . Horizontal Collection Method: <input type="checkbox"/> GPS <input checked="" type="checkbox"/> Interpolated from U.S.G.S. Topographic Map <input type="checkbox"/> DEP's eMAP	Longitude (DD) - . Longitude (DD) - .				
5. U.S.G.S. 7.5 min. topographic quadrangle Name (See Attachment 1-1.1) <i>(Include a copy of the project area on the 7.5 min quad map)</i>					
6. Will the project be conducted as a phased permit project? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Include Master Site Plan Estimated Timetable for Phased Projects. <input type="checkbox"/> Additional sheet(s) attached.					
Phase No. or Name	Description	Total Area	Disturbed Area	Start Date	End Date
7. List existing and previous land use for a minimum of the previous 5 years. (See Section 2 of this ESCGP-3 Application)					
8. Other Pollutants: Will the stormwater discharge contain pollutional substances other than sediment? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
9. Will fuels, chemicals, solvents, other hazardous waste or materials be used or stored on site during earth disturbance activities or will Horizontal Directional Drilling (HDD) activities be conducted? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If yes, Preparedness, Prevention and Contingency (PPC) Plan must be maintained on site during earth disturbance. See NOI Instructions, E.9 PPC Plan Guidance for further information.)</i>					
10. Is the project in the watershed of an impaired surface water where the cause of the impairment is identified as siltation? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (See Section 2-5 of this ESCGP-3 Application) <i>(If yes, show how the project will not result in a net change in volume, rate or water quality. See section I below, and E.10 of NOI instructions.)</i>					
11. Are there potentially hazardous naturally occurring geological or soil conditions in any portion of the project or surrounding area? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, do the potentially hazardous geologic or soil conditions have the potential to cause or contribute to pollution as a result of the proposed earth disturbance activities? If no, provide an explanation. If yes, Geologic Hazard Mitigation Plan must be attached and explain where in this application details are provided.					
12. Has the Act 14 Municipal Notification and proof of receipt of notification been attached to the NOI? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If not, the NOI is not complete, see E.12 and #4 Municipal Notification in the NOI Instructions for additional guidance.)</i>					
13. Has the PNDI receipt been attached to the NOI? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If not, the NOI is not complete, see E.13 and #5 PNHP in the NOI Instructions for additional guidance.)</i>					
14. Have the E&S Plan and PCSM/SR Plan been planned and designed to be consistent? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
15. Have existing and/or proposed Riparian Forest Buffers been identified? Yes <input checked="" type="checkbox"/> N/A <input type="checkbox"/> <i>(If yes, they must be shown on the E&S Plan as well as the PCSM/SR Plans.)</i>					
16. Have antidegradation implementation requirements for special protection waters been addressed? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> <i>(If yes, antidegradation requirements must be included in the plan.)</i>					

17. Has the seasonal high groundwater level been identified and 20-inch separation established at all excavation locations for pits for conventional operations and Well Development Impoundments for unconventional operations?

Yes ☐ No ☐ N/A ☒

[illegible]

	<input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired <input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired	<input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired <input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired
Secondary Receiving Water	Secondary Chapter 93, Designated Use	Secondary Existing Use
Name of Municipal or Private Separate Storm Sewer Operator, if applicable.		
Non-Surface Receiving Water: (include off-site discharges)		

SECTION F. EROSION AND SEDIMENT CONTROL (E&S) PLAN
See the attached Instructions for additional guidance with E&S Plans

Erosion and Sediment Control Plan BMPs should be designed to minimize accelerated erosion and sedimentation through limiting the extent and duration of earth disturbance, protection of existing drainage and vegetation, limiting soil compaction and controlling the generation of increased runoff. The Department recommends the use of the *Pennsylvania Erosion & Sedimentation Pollution Control Program Manual (E&S Manual)* (363-2134-008) to achieve this goal. The E&S Plan must meet the requirements of Pa. Code § 102.4(b) and submitted with the NOI. Also, see section 2. of the NOI instruction for detailed information on completing the E&S plan and additional requirements.

a. E&S Plan Summary

Provide a summary of proposed E&S BMPs and their performance to manage E&S for the project.

Typical BMPs provided along the pipeline Right-Of-Way includes waterbars, trench plugs, compost filter socks, compost sediment traps, rock filter outlets, erosion control blankets, rock construction entrances, temporary equipment bridges, timber mats, diversion channels, level spreaders, mulch and seed. An appropriate sediment removal device (filter bag, dewatering structure) and well-vegetated area will be utilized for trench dewatering. In HQ, EV watersheds, appropriate Antidegradation Best Available Combination of Technologies (ABACT) BMPs will be utilized. Additional information regarding all the proposed BMPs are provided in the Erosion and Sedimentation Control and Site Restoration Plans of respective project components (Section 2 of this ESCGP-3 Application).

b. E&S Plan BMP Design

Check those that apply:

- ☒ E&S Plan is designed using BMPs in the *E&S Manual*.
- ☐ E&S Plan is designed using an alternative BMP or design standard approved by DEP.

Note: NOI packages submitted with alternate BMPs not approved by the Department will be returned to the Applicant.

c. Do you have any information regarding riparian buffer which differs from Section G, Riparian Buffer?

Yes ☐ No ☒

Explain:

d. Thermal Impacts Analysis

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

Thermal impacts associated with Regional Energy Access Expansion Project will be avoided to the maximum extent possible. Minimum permanent changes in land cover are being proposed for constructing the pipeline facilities. Runoff from impervious areas added during the project will be suitably routed to Stormwater BMPs. Gravel will be used for access roads wherever practicable. To avoid thermal impacts arising from clearing and grading, removal of vegetation will be limited to only that necessary for construction and construction Right-Of-Way will be limited to 75 feet in wetlands and floodways where practical. Once construction activities are complete, disturbed areas will be restored to pre-construction contours and seeded as described in Erosion and Sediment Control and Site Restoration Plans. Temporary workspaces will be restored back with woody and herbaceous species. Thermal impacts assessments corresponding to each project component including pipelines and aboveground facilities are given in Section 2 and 3 of this ESCGP-3 Application.

e. Off-Site Discharge Analysis

Does the activity propose any off-site discharges to areas other than surface waters? ☒ Yes ☐ No

If yes, it is the applicant's responsibility to ensure that they have legal authority for any off-site discharge to neighboring properties.

The applicant must provide a demonstration in both E&S and PCSM/SR plans that the discharge will not cause erosion, damage, or a nuisance to off-site properties.

See Offsite Discharge Analysis Sections in E&S Narratives

SECTION G. RIPARIAN BUFFER

1. Will you be protecting, converting or establishing a voluntary riparian forest buffer as part of this project?
☐ Yes ☒ No
If yes, as part of the PCSM/SR Plan, provide a Buffer Management Plan.
2. Will proposed earth disturbance activities be conducted in an EV or HQ watershed AND within 150 feet of a perennial or intermittent river, stream, or creek, or lake, pond, or reservoir? ☒ Yes ☐ No
If no, proceed to the next section/module.
3. Does this project qualify for an exception (see § 102.14(d)(1))? ☒ Yes ☐ No
If yes, indicate below the type of project for which the exception applies by marking the appropriate box.
☐ Oil and gas activities for which site reclamation or restoration is part of the permit authorization in Chapter 78 and 78a.
☒ Road maintenance activities.
☐ The repair or maintenance of existing pipelines and utilities.
☐ Other (see §102.14(d)(1))
If exceptions are checked, explain how existing riparian buffer will be undisturbed to the extent practicable. Provide a demonstration that the requirements of §102.14(b) are met, or provide the necessary information to request a riparian buffer waiver.
4. Are you requesting a riparian buffer waiver for this project (see § 102.14(d)(2))? ☒ Yes ☐ No
If yes, indicate below the type of project for which you are requesting a waiver by marking the appropriate box.
☒ Linear project that may include pipelines, public roadways, rail lines, or utility lines.
☒ Project is of a temporary nature where the site will be fully restored to its preexisting conditions during the ESCGP permit term.
☒ Project where compliance with mandatory riparian buffers is not appropriate or feasible due to site characteristics or existing structures at the project site.
☐ Other (see §102.14(d)(2)):
If waivers are checked, explain how existing riparian buffers will be undisturbed to the extent practicable.
Note: If "Yes" to #2 **AND** "No" to #3 and #4, provide an attachment to demonstrate how the requirements of §102.14 are met.

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PCSM) AND/OR SITE RESTORATION(SR) PLAN

See NOI Instructions for additional guidance with PCSM Plans

PCSM/SR BMPs should be designed to use natural measures to eliminate pollution, infiltrate runoff, not require extensive construction/maintenance, promote pollutant reduction, and preserve the integrity of stream channels. All PCSM/SR BMPs proposed in the PCSM/SR Plan must be designed in accordance with Ch. 102, Ch. 78a for unconventional operations, Ch. 78 for conventional operations and the *Pennsylvania Stormwater Best Management Practices Manual (Stormwater BMP Manual)* (363-0300-002). If alternate design criteria are utilized for the proposed project, they must have prior approval by the Department, or the NOI Application will be returned to the Applicant.

After construction is completed, how much of the entire disturbed area will be restored to meadow in good condition or better, or existing conditions? ☐ All ☒ Partial ☐ None

Include PCSM narrative and drawings for remaining impervious area. Also include a map showing the proposed contours of the site restoration plan.

If there are additional stages of the project prior to permit termination or expiration, list the stages and provide the documents required by subsection 'a' to section 'g' for each stage (e.g. partial restoration or changes to the amount of compacted areas, gravel, and/or impervious areas). Upload a narrative for each additional stage in addition to the drawings.

EXAMPLE

Stage No	Stage Name	PCSM Plan	SR Plan
Stage 1		<input type="checkbox"/>	<input type="checkbox"/>
Stage 2		<input type="checkbox"/>	<input type="checkbox"/>
Stage 3		<input type="checkbox"/>	<input type="checkbox"/>
Stage 4		<input type="checkbox"/>	<input type="checkbox"/>

Act 167 Consistency. Check those that apply.

Is there an Act 167 Plan? ☒ Yes ☐ No

☒ The attached PCSM/SR Plan is consistent with an applicable approved Act 167 Plan.

Complete the following for all approved Act 167 Stormwater Management Plans. (Use additional sheets if necessary)

Act 167 Plan Name _____ Date Adopted _____ Consistency Letter Included ☐

Luzerne County Stormwater August 18, 2010 Verification Report Included ☒

Management Ordinance

Valley Creek Watershed Stormwater February 04, 2011

Management Plan

Note: A consistency letter is not required if a verification report is provided. See NOI Instructions. The PCSM/SR Plan must satisfy either sub paragraph 1, 2, or 3 below. Check those that apply.

1. ☒ Act 167 Plan approvals on or after January 2005 – The attached PCSM/SR Plan, in its entirety, is consistent with all requirements pertaining to rate, volume, and water quality from an Act 167 Stormwater Management Plan approved by DEP on or after January 2005. Box 1 must be checked if a current, DEP approved Act 167 plan exists.
2. ☒ The PCSM/SR Plan meets the standard design criteria from sections 102.8(g)(2) and (3) and the *Stormwater BMP Manual*. For projects involving oil and gas activities authorized by a permit issued under Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure, post construction stormwater management requirements are met for all areas that are restored to preconstruction conditions or to a condition of meadow in good condition or better. *[Note: PCSM plans must meet both the volume and rate requirements in the regulations, which are provided in the 2 sections mentioned in this paragraph].*
3. ☐ Alternative Design Standard – The attached PCSM/SR Plan was developed using approaches as provided in 102.8(g)(2)(iv) and 102.8(g)(3)(iii). Demonstrate/explain in the space provided below how this standard will be either more protective than what is required in 102.8(g)(2) and 102.8(g)(3) or will maintain and protect existing water quality and existing and designated uses.

PCSM/SR BMP Alternative Standards:

Has the alternative BMP or design standard been approved by the Department?

☐ Yes

☐ No – Do not submit the ESCGP-3 application and see Section (H) of the NOI Instructions concerning the alternative BMP approval process.

Water Quality Compliance:

Does the PCSM/SR plan comply with requirements for volume control? ☒ Yes ☐ No

If yes, is at least 90% of the disturbed area controlled by a PCSM BMP? ☒ Yes ☐ No

If yes, do you have the Standard PCSM Worksheet # 10 attached to show water quality compliance has achieved?

☒ Yes ☐ No

If no, attach Standard PCSM Worksheets # 12 and #13 to show water quality compliance has achieved.

If PCSM/SR plan is not complying with the requirements for volume control, attach Standard PCSM Worksheets # 11, # 12 and #13 to show water quality compliance has achieved.

a. PCSM/SR Plan Summary

Provide a summary of proposed BMPs and their performance to manage PCSM/SR for the project.

Along the pipeline Right-Of-Way, typical E&S BMPs such as waterbars and erosion control blanket will be left in place as part of site restoration. After construction activities are completed, temporary workspaces will be restored to meadow in good condition or better than existing conditions. For the aboveground facilities, PCSM BMPs such as infiltration basins, diversion channels and vegetated swales will be used and left in place as part of site restoration. Additional information regarding all the proposed BMPs are provided in the Post-Construction Stormwater Management Plans of respective project components (Section 3 of this ESCGP-3 Application).

Check all that apply ☒ PCSM BMPs ☒ SR BMPs

b. Do you have any information regarding riparian buffer which differs from what was submitted in the Section G, Riparian Buffer?

☐ Yes ☒ No

Explain:

c. Thermal Impacts Analysis

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

Runoff collected in PCSM BMPs such as infiltration basins will mitigate thermal impacts from post construction stormwater. Runoff collected in infiltration basins are discharged to receiving waters are not expected to be retained for more than 24 hours. Minimum permanent changes in land cover are being proposed for constructing the pipeline facilities. Gravel will be used for access roads wherever practicable. Removal of trees and riparian vegetation and addition of impervious surfaces will be limited to only that necessary for construction. Once construction activities are complete, disturbed areas will be restored to pre-construction contours and seeded as described in Erosion and Sedimental Control and Site Restoration Plans. Temporary workspaces will be restored back with woody and herbaceous species. Thermal impacts assessments corresponding to each project component including pipelines and aboveground facilities are given in Section 2 and 3 of this ESCGP-3 Application.

d. Off-Site Discharge Analysis.

Does the activity propose any off-site discharges to areas other than surface waters? ☒ Yes ☐ No

If yes, it is the applicant's responsibility to ensure that they have legal authority for any off-site discharge to neighboring properties.

The Applicant must provide a demonstration in both the E&S and PCSM/SR Plans that the discharge will not cause erosion, damage, or a nuisance to off-site properties.

See Offsite Discharge Analysis Sections in PCSM Narratives

NOI Section H. POST CONSTRUCTION STORMWATER MANAGEMENT (PCSM) PLANS

Summary Calculations of Post Construction Stormwater BMPs

1. Regional Energy Lateral Pipeline - MLV-515RA20
2. Regional Energy Lateral Pipeline - MLV-515RA30
3. Regional Energy Lateral Pipeline - Carverton Tie-in
4. Regional Energy Lateral Pipeline - Lower Demunds REL Tie-in
5. Regional Energy Lateral Pipeline – Hildebrandt Tie-in/MLV-515RA40
6. Effort Loop Pipeline - MLV-505LD86
7. Compressor Station 200
8. Compressor Station 515

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - MLV-515RA20 - Zenker Valve Yard

e. Summary Table for Supporting Calculation and Measurement Data
(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Mill Creek			
Volume Control design storm frequency 2-year Rainfall amount 2.95 inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.19	+0.19
Volume of stormwater runoff (acre- feet) without planned stormwater BMPs	0.04	0.06	+0.02
Volume of stormwater runoff (acre- feet) with planned stormwater BMPs		0.03	-0.01
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	3.51	3.22	-0.29
2) 10-Year/24-Hour	6.82	6.17	-0.65
3) 50-year/24-Hour	11.88	11.12	-0.76
4) 100-year/24-Hour	14.91	14.91	-0.00

f. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Vegetated Swale	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input checked="" type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ <u>1,396cf(2-yr);</u> <u>6,186cf(100-yr)</u>	_____ _____ <u>0.28</u>
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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g. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Dry Extended Detention Basin area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Channels to ensure they have been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Dry Extended Detention Basin to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Dry Extended Detention Basin the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. At completion of Collection Channel C1 to ensure it has been constructed to the proposed line and grade, the specified lining material has been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
6. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to Collection Channel C1.
7. For final inspection of constructed BMPs.
8. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL GENERAL PERMIT (ESGCP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR TRANSMISSION FACILITIES

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - MLV-515RA30 - Wyoming Valve Yard

b. Summary Table for Supporting Calculation and Measurement Data (See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Susquehanna-Solomon Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>2.57</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.24	+0.24
Volume of stormwater runoff (acre- feet) without planned stormwater BMPs	0.03	0.06	+0.03
Volume of stormwater runoff (acre- feet) with planned stormwater BMPs		0.03	-0.00
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.22	0.02	-0.20
2) 10-Year/24-Hour	0.68	0.03	-0.65
3) 50-year/24-Hour	1.52	0.06	-1.46
4) 100-year/24-Hour	2.06	0.07	-1.99

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Soil Amendment	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>451cf(2-yr);</u> <u>2,511cf(100-yr)</u> _____ _____ _____ _____	_____ <u>0.21</u> _____ _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input checked="" type="checkbox"/> Other <u>Vegetated Swale</u>	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	 <u>1,009cf(2-yr):</u> <u>4,264cf(100-yr)</u>	 <u>0.49</u>
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Vegetated Swale area has been flagged and fence erected to prevent access to the area.
2. At the beginning of construction of the Vegetated Swale to ensure the infiltration area has not been compacted by construction activities.
3. During construction of the Vegetated Swale the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
4. At completion of Collection Channel C1 to ensure it has been constructed to the proposed line and grade, the specified lining material has been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the infiltration berm.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - Carverton Tie-In

<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i></p> <p>The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Abrahams Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>2.61</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.03	0.11	+0.08
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.02	0.03	+0.01
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.00	-0.02
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.46	0.00	-0.46
2) 10-Year/24-Hour	0.91	0.00	-0.91
3) 50-year/24-Hour	1.61	0.00	-1.61
4) 100-year/24-Hour	2.01	0.00	-2.01

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>1,280cf (2-yr);</u> <u>4,445cf(100-yr)</u>	_____ _____ _____ _____ <u>0.26</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. At the beginning of construction to ascertain the Infiltration Berm area has been flagged and fence erected to prevent access to the area.
2. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the infiltration berm.
3. At the beginning of construction of the Infiltration Berm to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the infiltration berm the licensed professional will observe that the berm is constructed in accordance with the plans and specifications.
5. For final inspection of constructed BMPs.
6. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - Lower Demunds REL Tie-In

<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i></p> <p>The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Toby Creek			
Volume Control design storm frequency 2-year Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.12	+0.12
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.02	0.04	+0.02
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.01	-0.01
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.20	0.00	-0.20
2) 10-Year/24-Hour	0.40	0.00	-0.40
3) 50-year/24-Hour	0.71	0.20	-0.51
4) 100-year/24-Hour	0.89	0.51	-0.38

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>1,481cf(2-yr);</u> <u>4,356cf(100-yr)</u> _____ _____ _____	_____ <u>0.17</u> _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Valve Yard Pad area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Berm/Channel to ensure it has been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Valve Yard Pad to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Valve Yard Pad the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the outlet structure.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline – MLV-515RA40-Hildebrandt Tie-In

b. Summary Table for Supporting Calculation and Measurement Data

(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Toby Creek

Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.0	0.22	+0.22
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.03	0.07	+0.04
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.01	-0.02
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.34	0.20	-0.14
2) 10-Year/24-Hour	0.67	0.38	-0.29
3) 50-year/24-Hour	1.20	0.65	-0.55
4) 100-year/24-Hour	1.52	0.80	-0.72

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Vegetated Swale	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>2,265cf(2-yr);</u> <u>5,881cf(100-yr)</u>	_____ <u>0.21</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____

<input type="checkbox"/> Roadside Vegetated Filter Strips		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Stormwater Energy Dissipaters	Infiltration/Recharge			
<input type="checkbox"/> Level Spreaders		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Riprap Aprons		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Upslope Diversions		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Other _____		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____

d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Valve Yard Pad area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Channel to ensure it has been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Valve Yard Pad to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Valve Yard Pad the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the outlet structure.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR TRANSMISSION FACILITIES

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Effort Loop Pipeline-MLV-505LD86 Sugar Hollow Valve Yard

b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i> The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.			
Watershed Name: Pohopoco Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.26</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.09	0.62	+0.53
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.35	0.44	+0.09
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.28	-0.07
Stormwater discharge rate for the design frequency storm DA-1	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.01	0.01	-0.00
2) 10-Year/24-Hour	0.37	0.31	-0.06
3) 50-year/24-Hour	5.89	4.21	-1.68
4) 100-year/24-Hour	11.47	8.28	-3.19
Stormwater discharge rate for the design frequency storm DA-2	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	4.51	3.97	-0.54
2) 10-Year/24-Hour	12.49	12.28	-0.21
3) 50-year/24-Hour	26.58	24.35	-2.23
4) 100-year/24-Hour	35.41	31.74	-3.67

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input checked="" type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ <u>1,123cf(2-yr);</u> <u>21,318cf(100-yr)</u> _____ <u>5,915cf(2-yr);</u> <u>26,924cf(100-yr)</u>	_____ _____ <u>2.85</u> _____ <u>1.54</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. For the final grading of the access road, ensuring it is constructed according to the plan details for proper conveyance of runoff.
2. Following final grading and seeding of the diversion channels and basin, in order to confirm they have been constructed according to the plan details for proper collection and conveyance of runoff. Periodic assessments will need to be made to ensure accumulated sediment have been cleaned out so the channels and basin maintain the necessary design volumes.
3. During the layout and excavation of the outlet control structure, the professional or delegate will ensure sizing, materials specifications, and construction procedures are followed to enable proper storage in the basin.
4. Following final grading and seeding of the infiltration berm in order to confirm they have been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessment will need to be made to ensure that accumulated sediment have been cleaned out so the area behind the berm maintains the necessary design volume.
5. For final inspection of constructed channels, basin and berms.
6. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Compressor Station 200

b. Summary Table for Supporting Calculation and Measurement Data

(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Valley Creek

Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.30</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.25	0.40	+0.15
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.07	0.11	+0.04
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.07	-0.00
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	1.03	0.15	-0.88
2) 10-Year/24-Hour	2.06	1.39	-0.67
3) 50-year/24-Hour	3.19	2.79	-0.40
4) 100-year/24-Hour	3.97	3.50	-0.47

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>3,790cf(2-yr);</u> <u>11,631cf(100-yr)</u>	_____ _____ _____ _____ <u>0.56</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

- Following final grading and seeding of the infiltration berm in order to confirm it has been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessments will need to be made to ensure that accumulated sediment should be cleaned out so the channels and berm maintain necessary design volume.
- For final inspection of constructed BMPs.
- At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E & S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESGCP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Compressor Station 515

<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i> The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Bear Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.34	2.44	+2.10
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.50	0.81	+0.31
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.18	-0.32
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	5.46	1.76	-3.70
2) 10-Year/24-Hour	10.19	8.30	-1.89
3) 50-year/24-Hour	16.85	9.55	-7.30
4) 100-year/24-Hour	20.81	9.58	-11.23

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>31,799cf(2-yr):</u> <u>96,268cf(100-yr)</u>	_____ _____ _____ _____ <u>3.83</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

- Following final grading and seeding of the collection channels and infiltration berm in order to confirm they have been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessments will need to be made to ensure that accumulated sediment should be cleaned out so the channels and berm maintain necessary design volume.
- For final inspection of constructed BMPs.
- At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E & S controls.

SECTION I. ANTIDEGRADATION ANALYSIS

This section must be completed where earth disturbance activities will be conducted in the watershed of a surface water with an existing or designated use of exceptional value or high quality pursuant to Chapter 93 (relating to water quality standards), projects where any part is located in an exceptional value wetland in accordance with 25 Pa. Code § 105.17, and projects where any part is located in the watershed of an impaired surface water where the cause of impairment is identified as siltation.

Part 1 - NONDISCHARGE ALTERNATIVES EVALUATION

The applicant must consider and describe any and all non-discharge alternatives for the entire project area which are environmentally sound and will:

- Minimize accelerated erosion and sedimentation during the earth disturbance activity
- Achieve no net change from pre-development to post-development volume, rate and concentration of pollutants in water quality

E & S Plan	PCSM/SR Plan
<p>Check off the environmentally sound nondischarge Best Management Practices (BMPs) listed below to be used prior to, during, and after earth disturbance activities that have been incorporated into your E & S Plan based on the site analysis. For non-discharge BMPs not checked, provide an explanation of why they were not utilized. Also for BMPs checked, provide an explanation of why they were utilized. (Provide the analysis and attach additional sheets if necessary)</p> <p>See Section 2 of this ESCGP-3 Application</p>	<p>Check off the environmentally sound nondischarge Best Management Practices (BMPs) listed below to be used after construction that have been incorporated into the PCSM/SR Plan based on your site analysis. For non-discharge BMPs not checked, provide an explanation of why they were not utilized. Also for BMPs checked, provide an explanation of why they were utilized. (Provide the analysis and attach additional sheets if necessary)</p> <p>See Section 3 of this ESCGP-3 Application</p>
<p>Nondischarge BMPs</p> <div style="margin-left: 20px;"> <input type="checkbox"/> Alternative Siting <div style="margin-left: 20px;"> <input type="checkbox"/> Alternative location <input type="checkbox"/> Alternative configuration <input type="checkbox"/> Alternative location of discharge </div> <input checked="" type="checkbox"/> Limited Disturbed Area <input type="checkbox"/> Limiting Extent & Duration of Disturbance (Phasing, Sequencing) <input type="checkbox"/> Riparian Buffers (150 ft. min.) <input type="checkbox"/> Riparian Forest Buffer (150 ft. min.) <input type="checkbox"/> Other _____ </div>	<p>Nondischarge BMPs</p> <div style="margin-left: 20px;"> <input type="checkbox"/> Alternative Siting <div style="margin-left: 20px;"> <input type="checkbox"/> Alternative location <input type="checkbox"/> Alternative configuration <input type="checkbox"/> Alternative location of discharge </div> <input type="checkbox"/> Low Impact Development (LID / BSD) <input type="checkbox"/> Riparian Buffers (150 ft. min.) <input type="checkbox"/> Riparian Forest Buffer (150 ft. min.) <input checked="" type="checkbox"/> Infiltration <input type="checkbox"/> Water Reuse <input type="checkbox"/> Other _____ </div>
<p>Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality during construction?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, antidegradation analysis is complete. If no, proceed to Part 2.</p>	<p>Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality after construction?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, antidegradation analysis is complete. If no, proceed to Part 2.</p>

PART 2 - ANTIDEGRADATION BEST AVAILABLE COMBINATION OF TECHNOLOGIES (ABACT)

If the net change in stormwater discharge from or after construction is not fully managed by nondischarge BMPs, the applicant must utilize ABACT BMPs to manage the difference. The Applicant must specify whether the discharge will occur during construction, post-construction or both, and identify the technologies that will be used to ensure that the discharge will be a non-degrading discharge. ABACT BMPs include but are not limited to:

E & S Plan	PCSM/SR Plan
<p><input checked="" type="checkbox"/> Treatment BMPs:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Sediment basin with skimmer <input type="checkbox"/> Sediment basin ratio of 4:1 or greater (flow length to basin width) <input type="checkbox"/> Sediment basin with 4-7 day detention <input type="checkbox"/> Flocculants <input checked="" type="checkbox"/> Compost Filter Socks <input checked="" type="checkbox"/> Compost Filter Sock Sediment Basin <input checked="" type="checkbox"/> RCE w/ Wash Rack <p><input checked="" type="checkbox"/> Land disposal:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Vegetated filters <input type="checkbox"/> Riparian buffers <150ft. <input type="checkbox"/> Riparian Forest Buffer <150ft. <input checked="" type="checkbox"/> Immediate stabilization <p><input checked="" type="checkbox"/> Pollution prevention:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> PPC Plans <input checked="" type="checkbox"/> Street sweeping <input checked="" type="checkbox"/> Channels, collectors and diversions lined with permanent vegetation, rock, geotextile or other non-erosive materials <p><input type="checkbox"/> Stormwater reuse technologies:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Sediment basin water for dust control <input type="checkbox"/> Sediment basin water for irrigation <p><input type="checkbox"/> Other _____</p>	<p><input checked="" type="checkbox"/> Treatment BMPs:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Infiltration Practices <input type="checkbox"/> Wet ponds <input type="checkbox"/> Created wetland treatment systems <input checked="" type="checkbox"/> Vegetated swales <input type="checkbox"/> Manufactured devices <input checked="" type="checkbox"/> Bio-retention/infiltration <input type="checkbox"/> Green Roofs <p><input type="checkbox"/> Land disposal:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Vegetated filters <input type="checkbox"/> Riparian Buffers <150ft. <input type="checkbox"/> Riparian Forest Buffer <150ft. <input type="checkbox"/> Disconnection of roof drainage <input type="checkbox"/> Bio-retention/bio-infiltration <p><input checked="" type="checkbox"/> Pollution prevention:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Street sweeping <input type="checkbox"/> Nutrient, pesticide, herbicide or other chemical application plan alternatives <input checked="" type="checkbox"/> PPC Plans <input checked="" type="checkbox"/> Non-structural Practices <input checked="" type="checkbox"/> Restoration BMPs <p><input type="checkbox"/> Stormwater reuse technologies:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Divert rainwater into impoundment <input type="checkbox"/> Underground storage <p><input type="checkbox"/> Spray/Drip Irrigation</p> <p><input type="checkbox"/> Other _____</p>
<p>Are the ABACT BMPs selected sufficient to minimize E&S discharges to the extent that existing or designated surface water uses are protected?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.</p>	<p>Are the ABACT BMPs selected sufficient to achieve no net change and assure that existing or designated surface water uses are protected?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.</p>

SECTION J. COMPLIANCE HISTORY REVIEW

Is/was the applicant(s) in violation of any Department regulation, order, schedule of compliance or permit or in violation of any department regulated activities within the past five years?

☒ Yes ☐ No

If yes, provide the permit number or facility name, a brief description of the violation, the compliance schedule (including dates and steps to achieve compliance) and the current compliance status. (Attach additional information on a separate sheet, when necessary)

Permit Program or Activity: Chapter 102, Chapter 105, PAG-10

Permit Number (if applicable):

1. ESG03000150001, ESG00350150001, ESG00081150001
2. E41-649
3. E-19-311, E36-947, E-38-195, E40-769, E49-336, E54-360, E58-315, E66-160, E41-667, E18-495,
4. PAG109632

Brief Description of non-compliance:

Consent Assessment of Civil Penalty, Reports past due.

Steps taken to achieve compliance

1. Consent Assessment of Civil Penalty
2. Consent Assessment of Civil Penalty. Permits being obtained to complete channel restoration
3. Consent Assessment of Civil Penalty
4. All past due reports were provided to PADEP

Date(s) compliance achieved

1. 9/20/2020
2. 8/9/2020
3. 9/20/2020
4. 12/14/2017



Current Compliance Status: ☒ In-Compliance

☐ In Non-Compliance

If in non-compliance, attach schedule for achieving compliance.

SECTION K. CERTIFICATION BY PERSON PREPARING E&S AND PCSM/SR PLANS

I do hereby certify to the best of my knowledge, information, and belief, that the Erosion and Sediment Control and PCSM/Site Restoration Plans are true and correct, represent actual field conditions, and are in accordance with the 25 Pa. Code Chapters 78/78a and 102 of the Department's rules and regulations. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Print Name Kevin C. Clark	Signature 	Professional Seal 	
Company BAI Group, LLC			
Address 2525 Green Tech Drive, Suite D, State College, PA-16803			
Phone (814) 238-2060			
Most Recent DEP Training Attended	Location		Date
e-Mail Address kclark@baigroupllc.com			

EXPEDITED REVIEW PROCESS

In addition to the certification required above, applicants using the expedited permit review process must attach an E&S and PCSM/Site Restoration Plans developed and sealed by a licensed professional engineer, surveyor or professional geologist. The plans shall contain the following certification:

I do hereby certify to the best of my knowledge, information, and belief, that the E & S Control and PCSM/SR BMPs are true and correct, represent actual field conditions and are in accordance with the 25 Pa. Code Chapters 78 / 78a and 102 of the Department's rules and regulations. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SECTION L. APPLICANT CERTIFICATION

Applicant Certification

I certify under penalty of law, as provided by 18 Pa. C.S.A. § 4904, that this application and all related attachments were prepared by me or under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my own knowledge and on inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. The responsible official's signature also verifies that the activity is eligible to participate in the ESCGP, and that the applicant agrees to abide by the terms and conditions of the permit. BMP's, E&S Plan, PPC Plan, PCSM Plan, and other controls are being or will be, implemented to ensure that water quality standards and effluent limits are attained.

I grant permission to the agencies responsible for the permitting of this work, or their duly authorized representative to enter the project site for inspection purposes. I will abide by the conditions of the permit if issued and will not begin work prior to permit issuance.

(For individuals no indication of title is necessary, choose the box below. All others proceed to the next paragraph)

☐ **Individual; proceed to signature portion.**

I hereby certify under penalty of law, as provided by 18 Pa. C.S.A. § 4904, that I am the person who is responsible for decision-making regarding environmental compliance functions for Transcontinental Gas Pipeline Company, LLC, the manager of one or more manufacturing, production, or operating facilities of the applicant and am authorized to make management decisions which govern the operation of regulated facility including having explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure the applicant's long term environmental compliance with environmental laws and regulations; and I am responsible for ensuring that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements.

(choose one of the following; not applicable for individuals):

☐ The responsible corporate officer ☐ president ☐ vice president ☐ secretary
☐ treasure of _____ Corporation/Company
Entity name

☒ The ☐ member or ☒ manager of Transcontinental Gas Pipe Line Company, LLC
Entity name

☐ The general partner of _____ partnership/LP/LLP
Entity name

☐ The principal executive officer or ranking elected official of _____ Municipality/State/Federal/other public agency
Entity name

☐ Power of Attorney/delegation of contractual authority (documentation supporting delegation of contracting authority must be provided) for _____
Entity name

Print Name and Title of Applicant Print Name and Title of Co-Applicant (if applicable)

Signature of Applicant Signature of Co-Applicant

Date Application Signed Date Application Signed

Notarization

Sworn to and subscribed to before me this
_____ day of _____, 20_____

Commonwealth of Pennsylvania
County of _____

Notary Public

My Commission expires _____

AFFIX SEAL

SECTION M. ADDITIONAL CONTACT INFORMATION			
Contact's Last Name	First Name	MI	Phone (814) 689-1650
Nelson	Ryan	J	FAX
Mailing Address	City	State	ZIP + 4
2525 Green Tech Drive, Suite B	State College	PA	16803
e-Mail Address ryann@whmgroup.com			

Section 1-1.1 NOI Supporting Information

Project Component	Site	Site Location City	ZIP Code	County	Municipality	Total Project Area/Project Site (Acre)	Total Disturbed Area (Acre)	Latitude / Longitude	U.S.G.S. 7.5 min. Topographic Quadrangle	Receiving Waters	Chapter 93, Designated Use Stream Classification	Chapter 93, Existing Use Stream Classification	Siltation Impaired
Regional Energy Lateral	Pipeline			Luzerne	Buck, Bear Creek, Plains, Jenkins, Kingston, Dallas, Wyoming, West Wyoming, Laflin	952.63	420.67 (includes CS 515 and sites below)	41.173337, -75.671706 (eastern terminus) 41.346917, -75.946263 (western terminus)	Kingston, Pittston, Avoca, Wilkes-Barre East, Pleasant View Summit	Stony Run, Shades Creek, Little Shades Creek, Snider Run, Meadow Run, Bear Creek, Little Bear Creek, Mill Creek, Gardner Creek, Susquehanna River, Abrahams Creek, Toby Creek, Trout Brook	MF, HQ-CWF, WWF, CWF	-	No
	CY-LU-001	Wyoming	18644	Luzerne	Wyoming		16.3 (Included within above total)	41.31016, -75.84636		Abrahams Creek	CWF, MF	-	No
	CY-LU-002	Wilkes-Barre	18702	Luzerne	Laflin		11.4 (Included within above total)	41.28491, -75.79026		Gardner Creek	CWF, MF	-	No
	MLV-515RA20	Wilkes-Barre	18702	Luzerne	Bear Creek Township		0.46 (Included within above total)	41.25279, -75.75856		Mill Creek	CWF, MF	-	No
	MLV-515RA30	Wyoming	18644	Luzerne	Wyoming Borough		0.44 (Included within above total)	41.30411, -75.84662		Susquehanna River	WWF		No
	Carverton Tie-in	Wyoming	18644	Luzerne	West Wyoming Borough		3.9 (Included within above total)	41.32053, -75.87270		Abrahams Creek	CWF, MF		No
	Lower Demunds REL Tie-in	Dallas	18612	Luzerne	Dallas Township		1.7 (Included within above total)	41.34652, -75.94551		Trout Brook	CWF, MF		No
	Hildebrandt Tie-in/MLV-515RA40	Dallas	18612	Luzerne	Dallas Township		3.1 (Included within above total)	41.34692, -75.94629		Toby Creek, Trout Brook	CWF, MF		No
	Laflin Borough Stream Stabilization	Wilkes-Barre	18702	Luzerne	Laflin Borough		0.94 (Included within above total)	41.28925, -75.80209		Gardner Creek	CWF, MF	-	No
Effort Loop	Pipeline			Monroe	Ross, Chestnuthill, Tunkhannock	360.63	262.18	40.896796, -75.370606 (Southeast Terminus) 41.053413, -75.526178 (Northwest Terminus)	Blakeslee, Pocono Pines, Brodheads ville, Saylorsburg	Lake Creek, Princess Run, Weir Creek, McMichael Creek, Pohopoco Creek, Sugar Hollow Creek, Poplar Creek, Mud Run, Mud Pond Run, Tunkhannock Creek	EV, MF, HQ-CWF, CWF	EV, MF	No

Regional Energy Access Expansion Project
ESCGP-3 Permit Application
Transcontinental Gas Pipe Line Company, LLC
Section 1-1.1 NOI Supporting Information

Project Component	Site	Site Location City	ZIP Code	County	Municipality	Total Project Area/Project Site (Acre)	Total Disturbed Area (Acre)	Latitude / Longitude	U.S.G.S. 7.5 min. Topographic Quadrangle	Receiving Waters	Chapter 93, Designated Use Stream Classification	Chapter 93, Existing Use Stream Classification	Siltation Impaired
	MLV-505LD86 Sugar Hollow Valve Yard	Effort	18330	Monroe	Chestnut Hill Township		8.8 (Included within above total)	40.96775, -75.42980		Sugar Hollow Creek	CWF, MF	-	No
	CY-MO-001	Saylorsburg	18353	Monroe	Ross Township		50.1 (Included within above total)	40.89803, -75.36784		Lake Creek, Princess Run	HQ-CWF, MF, CWF	-	No
Delaware River Regulator		Easton	18040	Northampton	Lower Mt. Bethel	11.28	3.25	40.76220 -75.19653	Bangor, PA	Mud Run	CWF, MF	-	No
Mainline “A” Regulator		Washington Crossing	18977	Bucks	Lower Makefield	0.94	0.530	40.26807, -74.85712	Pennington, NJ-PA	Dyers Creek, Delaware River	MF, WWF	-	No
Compressor Station 200		Frazer	19335	Chester	East Whiteland	20.28	3.16	40.04998, -75.58589	Malvern, PA	Valley Creek	EV, MF, CWF	-	Yes
Compressor Station 515		White Haven	18661	Luzerne	Buck	952.63 (Included with Regional Energy Lateral)	24.83 (included with Regional Energy Lateral)	41.17380, -75.67118	Pleasant View Summit, PA	Shades Creek, Stony Run	HQ-CWF, MF	-	No



MUNICIPAL NOTIFICATION OF PLANNED LAND DEVELOPMENT FOR CHAPTER 102 PERMITS

PROJECT INFORMATION (COMPLETED BY APPLICANT)

Applicant Name:	Transcontinental Gas Pipe Line Company, a subsidiary of Williams Partners, L.P.	Contact Name:	Joseph Dean Manager-Permitting
Applicant Address:	2800 Post Oak Blvd, Level 11	Contact Phone:	(713) 215-3427
Applicant City, State, ZIP:	Houston, TX 77056	County:	Bucks
Description of Proposed Land Development and Stormwater Controls:	Municipality: Lower Makefield		
The existing Mainline A Regulator component of the Regional Energy Access Expansion Project is proposed to add pressure regulation controls to existing valve settings. E&S BMP's are proposed.		Project Area:	0.94 acres <input type="checkbox"/> Phased
		Disturbance:	0.53 acres

Tax Parcel ID(s) Affected by Proposed Land Development:

20-011-014-003 & 20-011-015

Surface Waters Receiving Stormwater Discharges:

Dyers Creek, Delaware RiverDischarge to: ☐ MS4 ☐ Other SS ☐ CSS

The following information was submitted to the municipality for this project:

☐ Land Development / Subdivision Plan
 ☒ E&S Plan
 ☐ PCSM Plan
 ☐ Other:

***On March 31, 2021 Transco submitted to you its E&S and PCSM Plans (Plans) as part of the ESCGP-3 permit application notification. The purpose of this notice is to let you know that Transco will be submitting an Erosion and Sediment Control Permit for Discharges of Stormwater Associated with Construction Activities Application to the PA Dept. of Environmental Protection to replace the ESCGP-3 application. Please refer to the previously submitted Plans.**

MUNICIPAL PLAN / ORDINANCE INFORMATION (COMPLETED BY MUNICIPALITY)

1. Is there an adopted municipal or multi-municipal comprehensive plan? ☐ Yes ☐ No
2. Is there an enacted municipal or multi-municipal zoning ordinance? ☐ Yes ☐ No
3. If Yes to #2, is the proposed project consistent with the ordinance? ☐ Yes ☐ No
4. Is there a municipal stormwater management ordinance? ☐ Yes ☐ No
5. If Yes to #4, is the proposed project consistent with the ordinance, without waiver? ☐ Yes ☐ No
6. If Yes to #4, indicate type of ordinance: ☐ Act 167 Model Ordinance ☐ DEP Model Ordinance (MS4s) ☐ Other

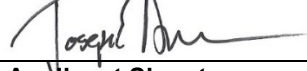
APPLICANT CERTIFICATION

I certify under penalty of law (see 18 Pa.C.S. § 4904 (relating to unsworn falsification)) that the information reported herein was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the information, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

MUNICIPAL ACKNOWLEDGEMENT

The municipality acknowledges that a permit application for the above-referenced project has been submitted to a reviewing agency and that notification requirements of Act 14 of 1984 and Acts 67, 68, and 127 of 2000 have been satisfied. The information reported herein by the municipality is true and accurate. The municipality reserves the right to comment to the reviewing agency relative to comprehensive plans, zoning, and stormwater ordinance consistency. Municipal acknowledgment of receipt of notification shall not be construed as project approval.

Joseph Dean

Applicant Name**Applicant Signature**

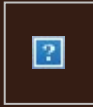
Manager - Permitting

Applicant Title

07/01/2021

Date of Signature**Municipal Representative Name****Municipal Representative Signature****Municipal Representative Title****Date of Signature**

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To: SFOX@WHMGROUP.COM
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Date: Wednesday, July 7, 2021 11:08:02 AM



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WHM CONSULTING, INC

Tracking Number:	1Z8797VV0390209224
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UPS Service:	UPS Ground
Package Weight:	1.0 LBS
Reference Number:	WILLIAMS-20-244, TASK 2C



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March 31, 2021

UPS TRACKING (1Z8797VV0393153921)

Lower Makefield Township Supervisors
1100 Edgewood Rd
Yardley, PA 19067

Re: Regional Energy Access Expansion Project – Mainline “A” Regulator
Pennsylvania Acts 14, 67, 68, and 127 Notification
Lower Makefield Township, Bucks County, Pennsylvania

Dear Township Supervisors:

This municipal notice, under the requirements of Act 14, 97 P.S. § 510-5, is to inform you that Transcontinental Gas Pipe Line Company, LLC (Transco), a subsidiary of The Williams Companies, Inc. (Williams) is applying for coverage under the Erosion and Sediment Control General Permit (ESCGP-3) for Earth Disturbance Associated with Oil & Gas Exploration, Production, Processing or Treatment Operations or Transmission Facilities from the Pennsylvania Department of Environmental Protection (DEP).

1) Project Name: Regional Energy Access Expansion Project – Mainline “A” Regulator

2) Project Description: Transco, indirectly owned by The Williams Companies, Inc. (Williams), is seeking authorization from the Federal Energy Regulatory Commission (FERC or Commission) under Section 7(c) of the Natural Gas Act and Part 157 of the Commission’s regulations, to construct, own, operate, and maintain the proposed Project facilities. The Project is an expansion of Transco’s existing natural gas transmission system that will enable Transco to provide an incremental 829,400 dekatherms per day (Dth/d) of year-round firm transportation capacity from the Marcellus Shale production area in northeastern Pennsylvania (PA) to multiple delivery points along Transco’s Leidy Line in PA, Transco’s mainline at the Station 210 Zone 6 Pooling Point in Mercer County, New Jersey (NJ) and multiple delivery points in Transco’s Zone 6 in NJ, PA, and Maryland (MD).

The existing Mainline A Regulator component of the Project is located in Lower Makefield Township, Bucks County. Proposed are facility modifications to add pressure regulation controls to existing valve settings.

3) Applicant Name: Transcontinental Gas Pipe Line Company, LLC’s (Transco), a subsidiary of Williams Partners L.P. (Williams)

4) Applicant Contact: Joseph Dean
Environmental Manager
2800 Post Oak Blvd, Level 11
Houston, TX 77056
(713) 215-3417

5) Site Location: The proposed Project is located on the Pennington, New Jersey-Pennsylvania, 7.5 Minute USGS quadrangle at 40°16'5.22"N, 74°51'25.38"W.

6) Municipality / County: Lower Makefield Township, Bucks County

Act 14, which amended the Commonwealth’s Administrative Code (71 P.S. § 510-5), requires every applicant for a new, amended, or revised permit to give written notice to each municipality (borough, township) and county government in which the facility is located. The municipality and county government must receive the written notice at least thirty (30) - days before DEP may issue or deny approval of coverage.

Enclosed is a complete copy of the Notice of Intent (NOI) completed for the project as well as copies of the erosion and sediment control plans.

Sincerely,

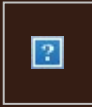
A handwritten signature in black ink, appearing to read "Ryan J. Nelson". The signature is fluid and cursive, with a long horizontal stroke at the end.

Ryan J. Nelson, PWS
WHM Consulting, LLC

Enclosures:

NOI Form
Erosion and Sediment Control Plan Drawings

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To: SFOX@WHMGROUP.COM
Subject: UPS Delivery Notification, Tracking Number 1Z8797VV0393153921
Date: Thursday, April 1, 2021 9:32:28 AM



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WHM CONSULTING, INC

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Ship To:	LOWER MAKEFIELD TOWNSHIP SUPERVISOR 1100 EDGEWOOD ROAD YARDLEY, PA 19067 US
Number of Packages:	1
UPS Service:	UPS Ground
Package Weight:	1.0 LBS
Reference Number:	WILLIAMS -20-268, TASK 2



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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF WATER PROGRAMS
OFFICE OF OIL AND GAS MANAGEMENT

OFFICIAL USE ONLY

ID # T _____
 Date Received _____
 AUTH _____
 SITE _____
 CLNT _____
 APS _____
 Fee _____
 Check No. _____
 Check Date _____

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT
CONTROL GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH
OIL AND GAS EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT
OPERATIONS OR TRANSMISSION FACILITIES**

READ THE INSTRUCTIONS PROVIDED IN THIS PERMIT APPLICATION PACKAGE BEFORE COMPLETING THIS FORM. PLEASE PRINT OR TYPE INFORMATION IN BLACK OR BLUE INK.

SECTION A. APPLICATION TYPE

Check one:

NEW ☒ **RENEWAL** ☐ **MAJOR MODIFICATIONS (Provide ESCGP number)** ☐

PHASED ☐ (check only if applicable; *note: Most projects are not submitted as phased projects*)

Check one: **EXPEDITED** ☐ **STANDARD** ☒

If an Expedited Review Process being requested, be advised that the Expedited Review is not available for all projects. Refer to Section D - Expedited Review Process of the ESCGP-3 NOI Instructions to determine if the project is eligible.

SECTION B. CLIENT INFORMATION

Applicant's Last Name (If applicable)	First Name	MI	Telephone No.
Organization Name or Registered Fictitious Name Transcontinental Gas Pipe Line Company, LLC (Contact: Joseph Dean)			Telephone No. (713) 215-3427
DEP Client ID No.			
Headquarters Mailing Address 2800 Post Oak Blvd, Level 11	City Houston	State TX	ZIP Code 77056
Email Address Joseph.Dean@williams.com			
Co-Applicant's Last Name (If applicable)	First Name	MI	Telephone No.
Organization Name or Registered Fictitious Name 			Telephone No.

Address	City	State	ZIP Code
Email Address			

SECTION C. SITE INFORMATION					
Is there an existing ESCGP associated with this site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, Permit No. _____					
Has a well permit application been submitted for this site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, Permit No. _____					
Does this site have a 911 address? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, <u>provide site location address.</u>					
Site Name Regional Energy Access Expansion Project					
Site Location See Attachment 1-1.1- NOI Supporting Information			Site No. (if another permit has been issued for the site)		
Site Location – City See Attachment 1-1.1- NOI Supporting Information				State PA	ZIP Code
Detailed Written Directions to Site See Attachment 1-1.1- NOI Supporting Information for locations of all project sites					
Primary Location	County Luzerne, Northampton, Bucks, Chester, and Monroe	Municipality Buck, Bear Creek, Plains, Jenkins, Kingston, Lower Mt. Bethel, Ross, Chestnut Hill, Tunkhannock, Lower Makefield, East Whiteland and Dallas Townships Wyoming, West Wyoming, and Laflin Boroughs	City <input type="checkbox"/>	Boro <input checked="" type="checkbox"/>	Twp. <input checked="" type="checkbox"/>
SECTION D. EXPEDITED REVIEW					
I. Expedited Review Eligibility					
1. Is any part of the project in the watershed of a surface water with an existing or designated use of exceptional value or high quality pursuant to Chapter 93 (relating to water quality standards), in an exceptional value wetland in accordance with 25 Pa. Code § 105.17, or in the watershed of an impaired surface water where the cause of the impairment is identified as siltation?			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
2. Will the project in which the well pad will be constructed be in or on a floodplain?			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
3. Is any earth disturbance located or proposed to be located on land known to be contaminated by the release of regulated substances as defined in Section 103 of Act 2, 35 P.S. § 6026.103?			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
4. Will naturally occurring geologic formations or soil conditions provide hazards to the project or surrounding environment or have the potential to cause or contribute to pollution when disturbed?			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
5. Do any unresolved non-compliance issues exist with the applicant or the facility?			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
6. Is the project a transmission project?			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

<p>If yes to any of the above questions the project is not eligible for Expedited Review; If the project is eligible for Expedited Review, all the following items must be completed.</p>	
<p>II. Expedited Review Process</p>	
1. Is the technically and administratively complete and accurate NOI package prepared and certified by a licensed professional?	<input type="checkbox"/> Yes <input type="checkbox"/> No
2. Are E&S and PCSM/Site Restoration Plan drawings and narrative prepared and sealed by a licensed professional? <i>(Include interim restoration details when needed)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<p>3. Include a Resource Delineation Report and answer the following questions: (If the answer to question a. is "Yes" then skip to #4. If the answer to a. is "No" the applicant must answer "Yes" to at least one of the questions, b. through d. to be eligible for expedited review.)</p>	
a. Were all wetland resources delineated during the growing season?	<input type="checkbox"/> Yes <input type="checkbox"/> No
b. If not during the growing season, was a follow-up visit conducted during the growing season to verify/adjust boundaries and look for potentially missed resources?	<input type="checkbox"/> Yes <input type="checkbox"/> No
c. Was a quality assurance field review conducted at a later date by an independent qualified wetland professional to verify boundaries and look for potentially missed resources? (If yes, attach Quality Assurance Field Review Report)	<input type="checkbox"/> Yes <input type="checkbox"/> No
d. Was a Jurisdictional Determination (JD) or Preliminary JD conducted by the US Army Corps of Engineers on the whole project? (If yes, attach Preliminary or Jurisdictional Determination Report)	<input type="checkbox"/> Yes <input type="checkbox"/> No
4. If applicable, have you included PNDI clearance letters or other documentation from applicable resource agencies?	<input type="checkbox"/> Yes <input type="checkbox"/> No
5. If the project site contains, is along, or within 100 feet of a river, stream, creek, lake, pond or reservoir, will you establish new or preserve existing riparian forest buffer at least 100 feet in width between the top of streambank or normal pool elevation of a lake, pond or reservoir and areas of earth disturbances. If no, will a waiver be obtained? <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
<p>6. Name of Licensed Professional</p> <p>Company</p>	
<p>Address</p>	
<p>Phone</p>	

SECTION E. PROJECT INFORMATION																	
1. Total Project Area/Project Site (Ac):	1,346 (Also see Attachment 1-1.1)	Total Disturbed Area (Ac):	689.8 (Also see Attachment 1-1.1)														
Increased disturbed acreage <i>(for permit modification only)</i>																	
Fee: <i>(For additional information regarding fees, refer to NOI Instructions #3 Permit NOI Filing Fees.)</i>			\$ \$500 (Filing Fee), \$69,000 (Disturbed Acre Fee)														
2. Project Name: Regional Energy Access Expansion Project																	
3. Project Type (Check all that apply) <table border="0" style="width: 100%;"> <tr> <td><input type="checkbox"/> Oil/Gas Well ¹</td> <td><input checked="" type="checkbox"/> Transmission Facility</td> </tr> <tr> <td><input type="checkbox"/> Gathering Facility</td> <td><input type="checkbox"/> Processing Facility</td> </tr> <tr> <td><input type="checkbox"/> Treatment Facility</td> <td><input type="checkbox"/> Well Development Impoundment</td> </tr> <tr> <td><input checked="" type="checkbox"/> Compressor Station</td> <td><input type="checkbox"/> Non-FERC regulated Transmission Facility</td> </tr> <tr> <td><input checked="" type="checkbox"/> Pipeline</td> <td><input type="checkbox"/> Ground/Surface Water Withdrawal Site</td> </tr> <tr> <td><input type="checkbox"/> Storage Field Facility</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Other</td> <td></td> </tr> </table>				<input type="checkbox"/> Oil/Gas Well ¹	<input checked="" type="checkbox"/> Transmission Facility	<input type="checkbox"/> Gathering Facility	<input type="checkbox"/> Processing Facility	<input type="checkbox"/> Treatment Facility	<input type="checkbox"/> Well Development Impoundment	<input checked="" type="checkbox"/> Compressor Station	<input type="checkbox"/> Non-FERC regulated Transmission Facility	<input checked="" type="checkbox"/> Pipeline	<input type="checkbox"/> Ground/Surface Water Withdrawal Site	<input type="checkbox"/> Storage Field Facility		<input type="checkbox"/> Other	
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<input checked="" type="checkbox"/> Compressor Station	<input type="checkbox"/> Non-FERC regulated Transmission Facility																
<input checked="" type="checkbox"/> Pipeline	<input type="checkbox"/> Ground/Surface Water Withdrawal Site																
<input type="checkbox"/> Storage Field Facility																	
<input type="checkbox"/> Other																	
¹ If Oil/Gas Well; is the well conventional or unconventional? <input type="checkbox"/> Conventional <input type="checkbox"/> Unconventional																	

Project Description

Transco, indirectly owned by The Williams Companies, Inc. (Williams), is seeking authorization from the Federal Energy Regulatory Commission (FERC or Commission) under Section 7(c) of the Natural Gas Act and Part 157 of the Commission's regulations, to construct, own, operate, and maintain the proposed Project facilities

The Project is an expansion of Transco's existing natural gas transmission system that will enable Transco to provide an incremental 829,400 dekatherms per day (Dth/d) of year-round firm transportation capacity from the Marcellus Shale production area in northeastern Pennsylvania (PA) to multiple delivery points along Transco's Leidy Line in PA, Transco's mainline at the Station 210 Zone 6 Pooling Point in Mercer County, New Jersey (NJ) and multiple delivery points in Transco's Zone 6 in NJ, PA, and Maryland (MD). The Project will consist of the following components:

- Approximately 22.3 miles of 30-inch-diameter pipeline partially collocated with Transco's Leidy Line A from milepost (MP) 0.00 to MP 22.32 in Luzerne County, PA (Regional Energy Lateral);
 - Approximately 13.8 miles of 42-inch-diameter pipeline collocated with Transco's Leidy Line System from MP 43.72 to MP 57.50 in Monroe County, PA (Effort Loop);
 - New gas-fired turbine driven compressor station identified as Compressor Station 201 with 11,107 nominal horsepower (HP) at International Organization of Standardization (ISO) conditions in Gloucester County, NJ;
 - Addition of two gas-fired turbine driven compressor units with 31,800 nominal HP at ISO conditions at existing Compressor Station 505 in Somerset County, NJ, to accommodate the abandonment and replacement of approximately 16,000 HP from eight existing internal combustion engine-driven compressor units and increase the certificated station compression by 15,800 HP;
 - Addition of two gas-fired turbine driven compressor units with 63,742 nominal HP at ISO conditions and modification of three existing compressors at existing Compressor Station 515 in Luzerne County, PA to support the Project and to accommodate the abandonment and replacement of approximately 17,000 HP from five existing gas-fired reciprocating engine driven compressors and increase the certificated station compression by 46,742 HP;
 - Uprate and rewheel two existing electric motor-driven compressor units at existing Compressor Station 195 in York County, PA to increase the certificated station compression by 5,000 HP and accommodate the abandonment of two existing gas-fired reciprocating engine driven compressors which total approximately 8,000 HP of compression;
 - Modifications at existing Compressor Station 200 in Chester County, PA;
 - Uprate one existing electric motor-driven compressor unit at Compressor Station 207 in Middlesex County, NJ to increase the certificated station compression by 4,100 HP;
 - Modifications to three (3) existing pipeline tie-ins in PA (Hildebrandt Tie-in, Lower Demunds REL Tie-in, and Carverton Tie-in);
 - Addition of regulation controls at an existing valve setting on Transco's Mainline "A" in Bucks County, PA (Mainline A Regulator);
 - Modifications at the existing Delaware River Regulator in Northampton County, PA;
 - Modifications at the existing Centerville Regulator in Somerset County, NJ;
 - Modifications to the existing valves and piping at the Princeton Junction (Station 210 Pooling Point) in Mercer County, NJ;
 - Modifications to three (3) existing delivery meter stations in NJ (Camden M&R Station, Lawnside M&R Station, and Mt. Laurel M&R Station);
 - Modifications to one (1) existing delivery meter station in MD (Beaver Dam M&R Station);
 - Contractual changes (no modifications) at ten (10) existing delivery meter stations in PA and NJ (Algonquin-Centerville Meter Station, Post Road Meter Station, New Village Meter Station, Spruce Run Meter Station, Marcus Hook Meter Station, Ivyland Meter Station, Repaupo Meter Station, Morgan Meter Station, Lower Mud Run Meter Station, and Chesterfield Meter Station);
 - Additional ancillary facilities, such as mainline valves (MLVs), cathodic protection, communication facilities, and internal inspection device (e.g., pig) launchers and receivers in PA; and
 - Existing, improved, and new access roads and contractor yards/staging areas in PA, NJ, and MD.
- Provide the date of pre-application meeting (if conducted with the Department) 04/27/20, 07/09/20, 09/04/20, 09/30/20, 12/15/20, 12/16/20, 01/06/21, 02/05/21

4. Provide the latitude and longitude coordinates for the center of the project. The coordinates should be in Decimal degrees and North American Datum 1983. The coordinates must meet the current DEP policy regarding locational accuracy. For linear projects provide the project's termini. See Attachment 1-1.1

Latitude (DD) . Latitude (DD) . Horizontal Collection Method: <input type="checkbox"/> GPS <input checked="" type="checkbox"/> Interpolated from U.S.G.S. Topographic Map <input type="checkbox"/> DEP's eMAP	Longitude (DD) - . Longitude (DD) - .				
5. U.S.G.S. 7.5 min. topographic quadrangle Name (See Attachment 1-1.1) <i>(Include a copy of the project area on the 7.5 min quad map)</i>					
6. Will the project be conducted as a phased permit project? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Include Master Site Plan Estimated Timetable for Phased Projects. <input type="checkbox"/> Additional sheet(s) attached.					
Phase No. or Name	Description	Total Area	Disturbed Area	Start Date	End Date
7. List existing and previous land use for a minimum of the previous 5 years. (See Section 2 of this ESCGP-3 Application)					
8. Other Pollutants: Will the stormwater discharge contain pollutional substances other than sediment? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
9. Will fuels, chemicals, solvents, other hazardous waste or materials be used or stored on site during earth disturbance activities or will Horizontal Directional Drilling (HDD) activities be conducted? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If yes, Preparedness, Prevention and Contingency (PPC) Plan must be maintained on site during earth disturbance. See NOI Instructions, E.9 PPC Plan Guidance for further information.)</i>					
10. Is the project in the watershed of an impaired surface water where the cause of the impairment is identified as siltation? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (See Section 2-5 of this ESCGP-3 Application) <i>(If yes, show how the project will not result in a net change in volume, rate or water quality. See section I below, and E.10 of NOI instructions.)</i>					
11. Are there potentially hazardous naturally occurring geological or soil conditions in any portion of the project or surrounding area? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, do the potentially hazardous geologic or soil conditions have the potential to cause or contribute to pollution as a result of the proposed earth disturbance activities? If no, provide an explanation. If yes, Geologic Hazard Mitigation Plan must be attached and explain where in this application details are provided.					
12. Has the Act 14 Municipal Notification and proof of receipt of notification been attached to the NOI? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If not, the NOI is not complete, see E.12 and #4 Municipal Notification in the NOI Instructions for additional guidance.)</i>					
13. Has the PNDI receipt been attached to the NOI? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If not, the NOI is not complete, see E.13 and #5 PNHP in the NOI Instructions for additional guidance.)</i>					
14. Have the E&S Plan and PCSM/SR Plan been planned and designed to be consistent? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
15. Have existing and/or proposed Riparian Forest Buffers been identified? Yes <input checked="" type="checkbox"/> N/A <input type="checkbox"/> <i>(If yes, they must be shown on the E&S Plan as well as the PCSM/SR Plans.)</i>					
16. Have antidegradation implementation requirements for special protection waters been addressed? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> <i>(If yes, antidegradation requirements must be included in the plan.)</i>					

17. Has the seasonal high groundwater level been identified and 20-inch separation established at all excavation locations for pits for conventional operations and Well Development Impoundments for unconventional operations?

Yes ☐ No ☐ N/A ☒

<p>18. Receiving Waters</p> <p><u>Effort Loop-</u></p> <p><u>Lake Creek (HQ-CWF,MF)</u></p> <p><u>Princess Run (CWF,MF)</u></p> <p><u>Weir Creek (CWF,MF)</u></p> <p><u>McMichael Creek (EV, MF) and (HQ-CWF)</u></p> <p><u>Pohopoco Creek (CWF,MF)</u></p> <p><u>Sugar Hollow Creek (CWF,MF)</u></p> <p><u>Poplar Creek (EV,CWF,MF)</u></p> <p><u>Mud Run (HQ-CWF, MF)</u></p> <p><u>Mud Pond Run (HQ-CWF,EV,MF)</u></p> <p><u>Tunkhannock Creek (HQ-CWF,MF)</u></p> <p><u>Regional Energy Lateral-Stony Run (HQ-CWF,MF)</u></p> <p><u>Shades Creek (HQ-CWF,MF)</u></p> <p><u>Little Shades Creek (HQ-CWF,MF)</u></p> <p><u>Snider Run (HQ-CWF,MF)</u></p> <p><u>Meadow Run (HQ-CWF,MF)</u></p> <p><u>Bear Creek (HQ-CWF,MF)</u></p> <p><u>Little Bear Creek (HQ-CWF,MF)</u></p> <p><u>Mill Creek (CWF,MF)</u></p> <p><u>Gardner Creek (CWF,MF)</u></p> <p><u>Susquehanna River (WWF,MF)</u></p> <p><u>Abrahams Creek (CWF,MF)</u></p> <p><u>Toby Creek (CWF,MF)</u></p> <p><u>Trout Brook (CWF,MF)</u></p> <p><u>Compressor Station 515-Shades Creek (HQ-CWF,MF)</u></p> <p><u>Stony Run (HQ-CWF,MF)</u></p> <p><u>Compressor Station 200-Valley Creek (EV,MF)</u></p> <p><u>Delaware River Regulator-Mud Run (CWF, MF)</u></p> <p><u>Mainline "A" Regulator - Dyers Creek (WWF,MF)</u></p> <p><u>See Attachment 1-1.1 for detailed list.</u></p>	<p>Chapter 93, Designated Use Stream Classification</p> <p><input checked="" type="checkbox"/> HQ <input checked="" type="checkbox"/> EV <input checked="" type="checkbox"/> Other <u>CWF, MF, WWF</u></p> <p><input checked="" type="checkbox"/> Siltation-impaired</p> <p><input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____</p> <p><input type="checkbox"/> Siltation-impaired</p>	<p>Chapter 93, Existing Use Stream Classification</p> <p><input type="checkbox"/> HQ <input checked="" type="checkbox"/> EV <input checked="" type="checkbox"/> Other <u>MF</u></p> <p><input type="checkbox"/> Siltation-impaired</p> <p><input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____</p> <p><input type="checkbox"/> Siltation-impaired</p>
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	<input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired <input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired	<input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired <input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____ <input type="checkbox"/> Siltation-impaired
Secondary Receiving Water	Secondary Chapter 93, Designated Use	Secondary Existing Use
Name of Municipal or Private Separate Storm Sewer Operator, if applicable.		
Non-Surface Receiving Water: (include off-site discharges)		

SECTION F. EROSION AND SEDIMENT CONTROL (E&S) PLAN
See the attached Instructions for additional guidance with E&S Plans

Erosion and Sediment Control Plan BMPs should be designed to minimize accelerated erosion and sedimentation through limiting the extent and duration of earth disturbance, protection of existing drainage and vegetation, limiting soil compaction and controlling the generation of increased runoff. The Department recommends the use of the *Pennsylvania Erosion & Sedimentation Pollution Control Program Manual (E&S Manual)* (363-2134-008) to achieve this goal. The E&S Plan must meet the requirements of Pa. Code § 102.4(b) and submitted with the NOI. Also, see section 2. of the NOI instruction for detailed information on completing the E&S plan and additional requirements.

a. E&S Plan Summary

Provide a summary of proposed E&S BMPs and their performance to manage E&S for the project.

Typical BMPs provided along the pipeline Right-Of-Way includes waterbars, trench plugs, compost filter socks, compost sediment traps, rock filter outlets, erosion control blankets, rock construction entrances, temporary equipment bridges, timber mats, diversion channels, level spreaders, mulch and seed. An appropriate sediment removal device (filter bag, dewatering structure) and well-vegetated area will be utilized for trench dewatering. In HQ, EV watersheds, appropriate Antidegradation Best Available Combination of Technologies (ABACT) BMPs will be utilized. Additional information regarding all the proposed BMPs are provided in the Erosion and Sedimentation Control and Site Restoration Plans of respective project components (Section 2 of this ESCGP-3 Application).

b. E&S Plan BMP Design

Check those that apply:

- ☒ E&S Plan is designed using BMPs in the *E&S Manual*.
- ☐ E&S Plan is designed using an alternative BMP or design standard approved by DEP.

Note: NOI packages submitted with alternate BMPs not approved by the Department will be returned to the Applicant.

c. Do you have any information regarding riparian buffer which differs from Section G, Riparian Buffer?

Yes ☐ No ☒

Explain:

d. Thermal Impacts Analysis

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

Thermal impacts associated with Regional Energy Access Expansion Project will be avoided to the maximum extent possible. Minimum permanent changes in land cover are being proposed for constructing the pipeline facilities. Runoff from impervious areas added during the project will be suitably routed to Stormwater BMPs. Gravel will be used for access roads wherever practicable. To avoid thermal impacts arising from clearing and grading, removal of vegetation will be limited to only that necessary for construction and construction Right-Of-Way will be limited to 75 feet in wetlands and floodways where practical. Once construction activities are complete, disturbed areas will be restored to pre-construction contours and seeded as described in Erosion and Sediment Control and Site Restoration Plans. Temporary workspaces will be restored back with woody and herbaceous species. Thermal impacts assessments corresponding to each project component including pipelines and aboveground facilities are given in Section 2 and 3 of this ESCGP-3 Application.

e. Off-Site Discharge Analysis

Does the activity propose any off-site discharges to areas other than surface waters? ☒ Yes ☐ No

If yes, it is the applicant's responsibility to ensure that they have legal authority for any off-site discharge to neighboring properties.

The applicant must provide a demonstration in both E&S and PCSM/SR plans that the discharge will not cause erosion, damage, or a nuisance to off-site properties.

See Offsite Discharge Analysis Sections in E&S Narratives

SECTION G. RIPARIAN BUFFER

1. Will you be protecting, converting or establishing a voluntary riparian forest buffer as part of this project?
☐ Yes ☒ No
If yes, as part of the PCSM/SR Plan, provide a Buffer Management Plan.
2. Will proposed earth disturbance activities be conducted in an EV or HQ watershed AND within 150 feet of a perennial or intermittent river, stream, or creek, or lake, pond, or reservoir? ☒ Yes ☐ No
If no, proceed to the next section/module.
3. Does this project qualify for an exception (see § 102.14(d)(1))? ☒ Yes ☐ No
If yes, indicate below the type of project for which the exception applies by marking the appropriate box.
☐ Oil and gas activities for which site reclamation or restoration is part of the permit authorization in Chapter 78 and 78a.
☒ Road maintenance activities.
☐ The repair or maintenance of existing pipelines and utilities.
☐ Other (see §102.14(d)(1))
If exceptions are checked, explain how existing riparian buffer will be undisturbed to the extent practicable. Provide a demonstration that the requirements of §102.14(b) are met, or provide the necessary information to request a riparian buffer waiver.
4. Are you requesting a riparian buffer waiver for this project (see § 102.14(d)(2))? ☒ Yes ☐ No
If yes, indicate below the type of project for which you are requesting a waiver by marking the appropriate box.
☒ Linear project that may include pipelines, public roadways, rail lines, or utility lines.
☒ Project is of a temporary nature where the site will be fully restored to its preexisting conditions during the ESCGP permit term.
☒ Project where compliance with mandatory riparian buffers is not appropriate or feasible due to site characteristics or existing structures at the project site.
☐ Other (see §102.14(d)(2)):
If waivers are checked, explain how existing riparian buffers will be undisturbed to the extent practicable.
Note: If "Yes" to #2 **AND** "No" to #3 and #4, provide an attachment to demonstrate how the requirements of §102.14 are met.

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PCSM) AND/OR SITE RESTORATION(SR) PLAN

See NOI Instructions for additional guidance with PCSM Plans

PCSM/SR BMPs should be designed to use natural measures to eliminate pollution, infiltrate runoff, not require extensive construction/maintenance, promote pollutant reduction, and preserve the integrity of stream channels. All PCSM/SR BMPs proposed in the PCSM/SR Plan must be designed in accordance with Ch. 102, Ch. 78a for unconventional operations, Ch. 78 for conventional operations and the *Pennsylvania Stormwater Best Management Practices Manual (Stormwater BMP Manual)* (363-0300-002). If alternate design criteria are utilized for the proposed project, they must have prior approval by the Department, or the NOI Application will be returned to the Applicant.

After construction is completed, how much of the entire disturbed area will be restored to meadow in good condition or better, or existing conditions? ☐ All ☒ Partial ☐ None

Include PCSM narrative and drawings for remaining impervious area. Also include a map showing the proposed contours of the site restoration plan.

If there are additional stages of the project prior to permit termination or expiration, list the stages and provide the documents required by subsection 'a' to section 'g' for each stage (e.g. partial restoration or changes to the amount of compacted areas, gravel, and/or impervious areas). Upload a narrative for each additional stage in addition to the drawings.

EXAMPLE

Stage No	Stage Name	PCSM Plan	SR Plan
Stage 1		<input type="checkbox"/>	<input type="checkbox"/>
Stage 2		<input type="checkbox"/>	<input type="checkbox"/>
Stage 3		<input type="checkbox"/>	<input type="checkbox"/>
Stage 4		<input type="checkbox"/>	<input type="checkbox"/>

Act 167 Consistency. Check those that apply.

Is there an Act 167 Plan? ☒ Yes ☐ No

☒ The attached PCSM/SR Plan is consistent with an applicable approved Act 167 Plan.

Complete the following for all approved Act 167 Stormwater Management Plans. (Use additional sheets if necessary)

Act 167 Plan Name _____ Date Adopted _____ Consistency Letter Included ☐

Luzerne County Stormwater August 18, 2010 Verification Report Included ☒

Management Ordinance

Valley Creek Watershed Stormwater February 04, 2011

Management Plan

Note: A consistency letter is not required if a verification report is provided. See NOI Instructions. The PCSM/SR Plan must satisfy either sub paragraph 1, 2, or 3 below. Check those that apply.

1. ☒ Act 167 Plan approvals on or after January 2005 – The attached PCSM/SR Plan, in its entirety, is consistent with all requirements pertaining to rate, volume, and water quality from an Act 167 Stormwater Management Plan approved by DEP on or after January 2005. Box 1 must be checked if a current, DEP approved Act 167 plan exists.
2. ☒ The PCSM/SR Plan meets the standard design criteria from sections 102.8(g)(2) and (3) and the *Stormwater BMP Manual*. For projects involving oil and gas activities authorized by a permit issued under Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure, post construction stormwater management requirements are met for all areas that are restored to preconstruction conditions or to a condition of meadow in good condition or better. *[Note: PCSM plans must meet both the volume and rate requirements in the regulations, which are provided in the 2 sections mentioned in this paragraph].*
3. ☐ Alternative Design Standard – The attached PCSM/SR Plan was developed using approaches as provided in 102.8(g)(2)(iv) and 102.8(g)(3)(iii). Demonstrate/explain in the space provided below how this standard will be either more protective than what is required in 102.8(g)(2) and 102.8(g)(3) or will maintain and protect existing water quality and existing and designated uses.

PCSM/SR BMP Alternative Standards:

Has the alternative BMP or design standard been approved by the Department?

☐ Yes

☐ No – Do not submit the ESCGP-3 application and see Section (H) of the NOI Instructions concerning the alternative BMP approval process.

Water Quality Compliance:

Does the PCSM/SR plan comply with requirements for volume control? ☒ Yes ☐ No

If yes, is at least 90% of the disturbed area controlled by a PCSM BMP? ☒ Yes ☐ No

If yes, do you have the Standard PCSM Worksheet # 10 attached to show water quality compliance has achieved?

☒ Yes ☐ No

If no, attach Standard PCSM Worksheets # 12 and #13 to show water quality compliance has achieved.

If PCSM/SR plan is not complying with the requirements for volume control, attach Standard PCSM Worksheets # 11, # 12 and #13 to show water quality compliance has achieved.

a. PCSM/SR Plan Summary

Provide a summary of proposed BMPs and their performance to manage PCSM/SR for the project.

Along the pipeline Right-Of-Way, typical E&S BMPs such as waterbars and erosion control blanket will be left in place as part of site restoration. After construction activities are completed, temporary workspaces will be restored to meadow in good condition or better than existing conditions. For the aboveground facilities, PCSM BMPs such as infiltration basins, diversion channels and vegetated swales will be used and left in place as part of site restoration. Additional information regarding all the proposed BMPs are provided in the Post-Construction Stormwater Management Plans of respective project components (Section 3 of this ESCGP-3 Application).

Check all that apply ☒ PCSM BMPs ☒ SR BMPs

b. Do you have any information regarding riparian buffer which differs from what was submitted in the Section G, Riparian Buffer?

☐ Yes ☒ No

Explain:

c. Thermal Impacts Analysis

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

Runoff collected in PCSM BMPs such as infiltration basins will mitigate thermal impacts from post construction stormwater. Runoff collected in infiltration basins are discharged to receiving waters are not expected to be retained for more than 24 hours. Minimum permanent changes in land cover are being proposed for constructing the pipeline facilities. Gravel will be used for access roads wherever practicable. Removal of trees and riparian vegetation and addition of impervious surfaces will be limited to only that necessary for construction. Once construction activities are complete, disturbed areas will be restored to pre-construction contours and seeded as described in Erosion and Sedimental Control and Site Restoration Plans. Temporary workspaces will be restored back with woody and herbaceous species. Thermal impacts assessments corresponding to each project component including pipelines and aboveground facilities are given in Section 2 and 3 of this ESCGP-3 Application.

d. Off-Site Discharge Analysis.

Does the activity propose any off-site discharges to areas other than surface waters? ☒ Yes ☐ No

If yes, it is the applicant's responsibility to ensure that they have legal authority for any off-site discharge to neighboring properties.

The Applicant must provide a demonstration in both the E&S and PCSM/SR Plans that the discharge will not cause erosion, damage, or a nuisance to off-site properties.

See Offsite Discharge Analysis Sections in PCSM Narratives

NOI Section H. POST CONSTRUCTION STORMWATER MANAGEMENT (PCSM) PLANS

Summary Calculations of Post Construction Stormwater BMPs

1. Regional Energy Lateral Pipeline - MLV-515RA20
2. Regional Energy Lateral Pipeline - MLV-515RA30
3. Regional Energy Lateral Pipeline - Carverton Tie-in
4. Regional Energy Lateral Pipeline - Lower Demunds REL Tie-in
5. Regional Energy Lateral Pipeline – Hildebrandt Tie-in/MLV-515RA40
6. Effort Loop Pipeline - MLV-505LD86
7. Compressor Station 200
8. Compressor Station 515

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - MLV-515RA20 - Zenker Valve Yard

e. Summary Table for Supporting Calculation and Measurement Data
(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Mill Creek			
Volume Control design storm frequency 2-year Rainfall amount 2.95 inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.19	+0.19
Volume of stormwater runoff (acre- feet) without planned stormwater BMPs	0.04	0.06	+0.02
Volume of stormwater runoff (acre- feet) with planned stormwater BMPs		0.03	-0.01
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	3.51	3.22	-0.29
2) 10-Year/24-Hour	6.82	6.17	-0.65
3) 50-year/24-Hour	11.88	11.12	-0.76
4) 100-year/24-Hour	14.91	14.91	-0.00

f. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Vegetated Swale	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input checked="" type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ <u>1,396cf(2-yr);</u> <u>6,186cf(100-yr)</u>	_____ _____ <u>0.28</u>
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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g. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Dry Extended Detention Basin area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Channels to ensure they have been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Dry Extended Detention Basin to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Dry Extended Detention Basin the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. At completion of Collection Channel C1 to ensure it has been constructed to the proposed line and grade, the specified lining material has been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
6. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to Collection Channel C1.
7. For final inspection of constructed BMPs.
8. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL GENERAL PERMIT (ESGCP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR TRANSMISSION FACILITIES

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - MLV-515RA30 - Wyoming Valve Yard

b. Summary Table for Supporting Calculation and Measurement Data (See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Susquehanna-Solomon Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>2.57</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.24	+0.24
Volume of stormwater runoff (acre- feet) without planned stormwater BMPs	0.03	0.06	+0.03
Volume of stormwater runoff (acre- feet) with planned stormwater BMPs		0.03	-0.00
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.22	0.02	-0.20
2) 10-Year/24-Hour	0.68	0.03	-0.65
3) 50-year/24-Hour	1.52	0.06	-1.46
4) 100-year/24-Hour	2.06	0.07	-1.99

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Soil Amendment	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>451cf(2-yr);</u> <u>2,511cf(100-yr)</u> _____ _____ _____ _____	_____ <u>0.21</u> _____ _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input checked="" type="checkbox"/> Other <u>Vegetated Swale</u>	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	 <u>1,009cf(2-yr):</u> <u>4,264cf(100-yr)</u>	 <u>0.49</u>
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Vegetated Swale area has been flagged and fence erected to prevent access to the area.
2. At the beginning of construction of the Vegetated Swale to ensure the infiltration area has not been compacted by construction activities.
3. During construction of the Vegetated Swale the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
4. At completion of Collection Channel C1 to ensure it has been constructed to the proposed line and grade, the specified lining material has been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the infiltration berm.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - Carverton Tie-In

<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i></p> <p>The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Abrahams Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>2.61</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.03	0.11	+0.08
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.02	0.03	+0.01
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.00	-0.02
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.46	0.00	-0.46
2) 10-Year/24-Hour	0.91	0.00	-0.91
3) 50-year/24-Hour	1.61	0.00	-1.61
4) 100-year/24-Hour	2.01	0.00	-2.01

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>1,280cf (2-yr);</u> <u>4,445cf(100-yr)</u>	_____ _____ _____ _____ <u>0.26</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. At the beginning of construction to ascertain the Infiltration Berm area has been flagged and fence erected to prevent access to the area.
2. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the infiltration berm.
3. At the beginning of construction of the Infiltration Berm to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the infiltration berm the licensed professional will observe that the berm is constructed in accordance with the plans and specifications.
5. For final inspection of constructed BMPs.
6. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - Lower Demunds REL Tie-In

<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i></p> <p>The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Toby Creek			
Volume Control design storm frequency 2-year Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.00	0.12	+0.12
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.02	0.04	+0.02
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.01	-0.01
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.20	0.00	-0.20
2) 10-Year/24-Hour	0.40	0.00	-0.40
3) 50-year/24-Hour	0.71	0.20	-0.51
4) 100-year/24-Hour	0.89	0.51	-0.38

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>1,481cf(2-yr);</u> <u>4,356cf(100-yr)</u> _____ _____ _____	_____ <u>0.17</u> _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Valve Yard Pad area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Berm/Channel to ensure it has been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Valve Yard Pad to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Valve Yard Pad the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the outlet structure.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline – MLV-515RA40-Hildebrandt Tie-In

b. Summary Table for Supporting Calculation and Measurement Data

(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Toby Creek

Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.0	0.22	+0.22
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.03	0.07	+0.04
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.01	-0.02
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.34	0.20	-0.14
2) 10-Year/24-Hour	0.67	0.38	-0.29
3) 50-year/24-Hour	1.20	0.65	-0.55
4) 100-year/24-Hour	1.52	0.80	-0.72

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input checked="" type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm <input type="checkbox"/> Vegetated Swale	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ <u>2,265cf(2-yr);</u> <u>5,881cf(100-yr)</u>	_____ <u>0.21</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____

<input type="checkbox"/> Roadside Vegetated Filter Strips		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Stormwater Energy Dissipaters	Infiltration/Recharge			
<input type="checkbox"/> Level Spreaders		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Riprap Aprons		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Upslope Diversions		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
<input type="checkbox"/> Other _____		<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____

d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Upon commencement of construction activities to ascertain the Valve Yard Pad area has been flagged and fence erected to prevent access to the area.
2. At completion of Diversion Channel to ensure it has been constructed to the proposed lines and grades, the specified lining materials have been installed in accordance with the requirements of the plans and specifications, and if applicable, vegetation has been established.
3. At the beginning of construction of the Valve Yard Pad to ensure the infiltration area has not been compacted by construction activities.
4. During construction of the Valve Yard Pad the licensed professional will observe that the BMP is constructed in accordance with the plans and specifications.
5. Following installation of the Valve Yard Pad subgrade to ensure stormwater flow is directed to the outlet structure.
6. For final inspection of constructed BMPs.
7. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Effort Loop Pipeline-MLV-505LD86 Sugar Hollow Valve Yard

<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i> The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Pohopoco Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.26</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.09	0.62	+0.53
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.35	0.44	+0.09
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.28	-0.07
Stormwater discharge rate for the design frequency storm DA-1	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	0.01	0.01	-0.00
2) 10-Year/24-Hour	0.37	0.31	-0.06
3) 50-year/24-Hour	5.89	4.21	-1.68
4) 100-year/24-Hour	11.47	8.28	-3.19
Stormwater discharge rate for the design frequency storm DA-2	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	4.51	3.97	-0.54
2) 10-Year/24-Hour	12.49	12.28	-0.21
3) 50-year/24-Hour	26.58	24.35	-2.23
4) 100-year/24-Hour	35.41	31.74	-3.67

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input checked="" type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ <u>1,123cf(2-yr);</u> <u>21,318cf(100-yr)</u> _____ <u>5,915cf(2-yr);</u> <u>26,924cf(100-yr)</u>	_____ _____ <u>2.85</u> _____ <u>1.54</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. For the final grading of the access road, ensuring it is constructed according to the plan details for proper conveyance of runoff.
2. Following final grading and seeding of the diversion channels and basin, in order to confirm they have been constructed according to the plan details for proper collection and conveyance of runoff. Periodic assessments will need to be made to ensure accumulated sediment have been cleaned out so the channels and basin maintain the necessary design volumes.
3. During the layout and excavation of the outlet control structure, the professional or delegate will ensure sizing, materials specifications, and construction procedures are followed to enable proper storage in the basin.
4. Following final grading and seeding of the infiltration berm in order to confirm they have been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessment will need to be made to ensure that accumulated sediment have been cleaned out so the area behind the berm maintains the necessary design volume.
5. For final inspection of constructed channels, basin and berms.
6. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E&S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Compressor Station 200

b. Summary Table for Supporting Calculation and Measurement Data

(See NOI Instructions for additional guidance with this section)

The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.

Watershed Name: Valley Creek

Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.30</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.25	0.40	+0.15
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.07	0.11	+0.04
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.07	-0.00
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	1.03	0.15	-0.88
2) 10-Year/24-Hour	2.06	1.39	-0.67
3) 50-year/24-Hour	3.19	2.79	-0.40
4) 100-year/24-Hour	3.97	3.50	-0.47

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>3,790cf(2-yr);</u> <u>11,631cf(100-yr)</u>	_____ _____ _____ _____ <u>0.56</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

1. Following final grading and seeding of the infiltration berm in order to confirm it has been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessments will need to be made to ensure that accumulated sediment should be cleaned out so the channels and berm maintain necessary design volume.
2. For final inspection of constructed BMPs.
3. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E & S controls.

**NOTICE OF INTENT (NOI) FOR COVERAGE UNDER THE EROSION AND SEDIMENT CONTROL
GENERAL PERMIT (ESGCP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR
TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

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<p>b. Summary Table for Supporting Calculation and Measurement Data <i>(See NOI Instructions for additional guidance with this section)</i> The remainder of this section (Summary Table for Calculation and Measurement Data) does not need to be completed for areas of projects involving oil and gas activities authorized by Chapter 78 or Chapter 78a (well pads) or pipelines and other similar utility infrastructure which will be restored to meadow in good condition or better or existing conditions.</p>			
Watershed Name: Bear Creek			
Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>3.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.34	2.44	+2.10
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs	0.50	0.81	+0.31
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs		0.18	-0.32
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour	5.46	1.76	-3.70
2) 10-Year/24-Hour	10.19	8.30	-1.89
3) 50-year/24-Hour	16.85	9.55	-7.30
4) 100-year/24-Hour	20.81	9.58	-11.23

c. Summary Description of PCSM/SR BMPs

In the lists below, check the BMPs identified in the PCSM Plan. The primary function(s) of the BMP listed in the functions column (infiltration/recharge; detention/retention; water quality). Additional functions may be added if applicable to that BMP. List the stormwater volume and area of runoff to be treated by each BMP type when calculations are required. If any BMP in the PCSM/SR Plan is not listed below, describe it in the space provided after "Other". A summary table with infiltration testing information (Attachment E, included in the NOI Instructions) must be submitted for all Bio-infiltration BMPs included in PCSM/SR plan.

For Rate control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event.

For volume control and water quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event.

Key for BMP purpose(s): VC = Volume Control; RC = Rate Control; and WQ = Water Quality

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input checked="" type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ	_____ _____ _____ _____ <u>31,799cf(2-yr):</u> <u>96,268cf(100-yr)</u>	_____ _____ _____ _____ <u>3.83</u>
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____
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d. Critical PCSM Plan stages

Identify and list critical stages of implementation of the PCSM Plan for which a licensed professional or designee shall be present on site.

- Following final grading and seeding of the collection channels and infiltration berm in order to confirm they have been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessments will need to be made to ensure that accumulated sediment should be cleaned out so the channels and berm maintain necessary design volume.
- For final inspection of constructed BMPs.
- At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E & S controls.

SECTION I. ANTIDegradation ANALYSIS

This section must be completed where earth disturbance activities will be conducted in the watershed of a surface water with an existing or designated use of exceptional value or high quality pursuant to Chapter 93 (relating to water quality standards), projects where any part is located in an exceptional value wetland in accordance with 25 Pa. Code § 105.17, and projects where any part is located in the watershed of an impaired surface water where the cause of impairment is identified as siltation.

Part 1 - NONDISCHARGE ALTERNATIVES EVALUATION

The applicant must consider and describe any and all non-discharge alternatives for the entire project area which are environmentally sound and will:

- Minimize accelerated erosion and sedimentation during the earth disturbance activity
- Achieve no net change from pre-development to post-development volume, rate and concentration of pollutants in water quality

E & S Plan	PCSM/SR Plan
<p>Check off the environmentally sound nondischarge Best Management Practices (BMPs) listed below to be used prior to, during, and after earth disturbance activities that have been incorporated into your E & S Plan based on the site analysis. For non-discharge BMPs not checked, provide an explanation of why they were not utilized. Also for BMPs checked, provide an explanation of why they were utilized. (Provide the analysis and attach additional sheets if necessary)</p> <p>See Section 2 of this ESCGP-3 Application</p>	<p>Check off the environmentally sound nondischarge Best Management Practices (BMPs) listed below to be used after construction that have been incorporated into the PCSM/SR Plan based on your site analysis. For non-discharge BMPs not checked, provide an explanation of why they were not utilized. Also for BMPs checked, provide an explanation of why they were utilized. (Provide the analysis and attach additional sheets if necessary)</p> <p>See Section 3 of this ESCGP-3 Application</p>
<p>Nondischarge BMPs</p> <p><input type="checkbox"/> Alternative Siting</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative location</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative configuration</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative location of discharge</p> <p><input checked="" type="checkbox"/> Limited Disturbed Area</p> <p><input type="checkbox"/> Limiting Extent & Duration of Disturbance (Phasing, Sequencing)</p> <p><input type="checkbox"/> Riparian Buffers (150 ft. min.)</p> <p><input type="checkbox"/> Riparian Forest Buffer (150 ft. min.)</p> <p><input type="checkbox"/> Other _____</p>	<p>Nondischarge BMPs</p> <p><input type="checkbox"/> Alternative Siting</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative location</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative configuration</p> <p style="padding-left: 20px;"><input type="checkbox"/> Alternative location of discharge</p> <p><input type="checkbox"/> Low Impact Development (LID / BSD)</p> <p><input type="checkbox"/> Riparian Buffers (150 ft. min.)</p> <p><input type="checkbox"/> Riparian Forest Buffer (150 ft. min.)</p> <p><input checked="" type="checkbox"/> Infiltration</p> <p><input type="checkbox"/> Water Reuse</p> <p><input type="checkbox"/> Other _____</p>
<p>Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality during construction?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, antidegradation analysis is complete. If no, proceed to Part 2.</p>	<p>Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality after construction?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, antidegradation analysis is complete. If no, proceed to Part 2.</p>

PART 2 - ANTIDEGRADATION BEST AVAILABLE COMBINATION OF TECHNOLOGIES (ABACT)

If the net change in stormwater discharge from or after construction is not fully managed by nondischarge BMPs, the applicant must utilize ABACT BMPs to manage the difference. The Applicant must specify whether the discharge will occur during construction, post-construction or both, and identify the technologies that will be used to ensure that the discharge will be a non-degrading discharge. ABACT BMPs include but are not limited to:

E & S Plan	PCSM/SR Plan
<p><input checked="" type="checkbox"/> Treatment BMPs:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Sediment basin with skimmer <input type="checkbox"/> Sediment basin ratio of 4:1 or greater (flow length to basin width) <input type="checkbox"/> Sediment basin with 4-7 day detention <input type="checkbox"/> Flocculants <input checked="" type="checkbox"/> Compost Filter Socks <input checked="" type="checkbox"/> Compost Filter Sock Sediment Basin <input checked="" type="checkbox"/> RCE w/ Wash Rack <p><input checked="" type="checkbox"/> Land disposal:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Vegetated filters <input type="checkbox"/> Riparian buffers <150ft. <input type="checkbox"/> Riparian Forest Buffer <150ft. <input checked="" type="checkbox"/> Immediate stabilization <p><input checked="" type="checkbox"/> Pollution prevention:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> PPC Plans <input checked="" type="checkbox"/> Street sweeping <input checked="" type="checkbox"/> Channels, collectors and diversions lined with permanent vegetation, rock, geotextile or other non-erosive materials <p><input type="checkbox"/> Stormwater reuse technologies:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Sediment basin water for dust control <input type="checkbox"/> Sediment basin water for irrigation <p><input type="checkbox"/> Other _____</p>	<p><input checked="" type="checkbox"/> Treatment BMPs:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Infiltration Practices <input type="checkbox"/> Wet ponds <input type="checkbox"/> Created wetland treatment systems <input checked="" type="checkbox"/> Vegetated swales <input type="checkbox"/> Manufactured devices <input checked="" type="checkbox"/> Bio-retention/infiltration <input type="checkbox"/> Green Roofs <p><input type="checkbox"/> Land disposal:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Vegetated filters <input type="checkbox"/> Riparian Buffers <150ft. <input type="checkbox"/> Riparian Forest Buffer <150ft. <input type="checkbox"/> Disconnection of roof drainage <input type="checkbox"/> Bio-retention/bio-infiltration <p><input checked="" type="checkbox"/> Pollution prevention:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Street sweeping <input type="checkbox"/> Nutrient, pesticide, herbicide or other chemical application plan alternatives <input checked="" type="checkbox"/> PPC Plans <input checked="" type="checkbox"/> Non-structural Practices <input checked="" type="checkbox"/> Restoration BMPs <p><input type="checkbox"/> Stormwater reuse technologies:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Divert rainwater into impoundment <input type="checkbox"/> Underground storage <p><input type="checkbox"/> Spray/Drip Irrigation</p> <p><input type="checkbox"/> Other _____</p>
<p>Are the ABACT BMPs selected sufficient to minimize E&S discharges to the extent that existing or designated surface water uses are protected?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.</p>	<p>Are the ABACT BMPs selected sufficient to achieve no net change and assure that existing or designated surface water uses are protected?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.</p>

SECTION J. COMPLIANCE HISTORY REVIEW

Is/was the applicant(s) in violation of any Department regulation, order, schedule of compliance or permit or in violation of any department regulated activities within the past five years?

☒ Yes ☐ No

If yes, provide the permit number or facility name, a brief description of the violation, the compliance schedule (including dates and steps to achieve compliance) and the current compliance status. (Attach additional information on a separate sheet, when necessary)

Permit Program or Activity: Chapter 102, Chapter 105, PAG-10

Permit Number (if applicable):

1. ESG03000150001, ESG00350150001, ESG00081150001
2. E41-649
3. E-19-311, E36-947, E-38-195, E40-769, E49-336, E54-360, E58-315, E66-160, E41-667, E18-495,
4. PAG109632

Brief Description of non-compliance:

Consent Assessment of Civil Penalty, Reports past due.

Steps taken to achieve compliance

1. Consent Assessment of Civil Penalty
2. Consent Assessment of Civil Penalty. Permits being obtained to complete channel restoration
3. Consent Assessment of Civil Penalty
4. All past due reports were provided to PADEP

Date(s) compliance achieved



1. 9/20/2020
2. 8/9/2020
3. 9/20/2020
4. 12/14/2017

Current Compliance Status: ☒ In-Compliance ☐ In Non-Compliance

If in non-compliance, attach schedule for achieving compliance.

SECTION K. CERTIFICATION BY PERSON PREPARING E&S AND PCSM/SR PLANS

I do hereby certify to the best of my knowledge, information, and belief, that the Erosion and Sediment Control and PCSM/Site Restoration Plans are true and correct, represent actual field conditions, and are in accordance with the 25 Pa. Code Chapters 78/78a and 102 of the Department's rules and regulations. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Print Name Kevin C. Clark	Signature 	Professional Seal 	
Company BAI Group, LLC			
Address 2525 Green Tech Drive, Suite D, State College, PA-16803			
Phone (814) 238-2060			
Most Recent DEP Training Attended	Location		Date
e-Mail Address kclark@baigroupllc.com			

EXPEDITED REVIEW PROCESS

In addition to the certification required above, applicants using the expedited permit review process must attach an E&S and PCSM/Site Restoration Plans developed and sealed by a licensed professional engineer, surveyor or professional geologist. The plans shall contain the following certification:

I do hereby certify to the best of my knowledge, information, and belief, that the E & S Control and PCSM/SR BMPs are true and correct, represent actual field conditions and are in accordance with the 25 Pa. Code Chapters 78 / 78a and 102 of the Department's rules and regulations. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SECTION L. APPLICANT CERTIFICATION

Applicant Certification

I certify under penalty of law, as provided by 18 Pa. C.S.A. § 4904, that this application and all related attachments were prepared by me or under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my own knowledge and on inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. The responsible official's signature also verifies that the activity is eligible to participate in the ESCGP, and that the applicant agrees to abide by the terms and conditions of the permit. BMP's, E&S Plan, PPC Plan, PCSM Plan, and other controls are being or will be, implemented to ensure that water quality standards and effluent limits are attained.

I grant permission to the agencies responsible for the permitting of this work, or their duly authorized representative to enter the project site for inspection purposes. I will abide by the conditions of the permit if issued and will not begin work prior to permit issuance.

(For individuals no indication of title is necessary, choose the box below. All others proceed to the next paragraph)

☐ **Individual; proceed to signature portion.**

I hereby certify under penalty of law, as provided by 18 Pa. C.S.A. § 4904, that I am the person who is responsible for decision-making regarding environmental compliance functions for Transcontinental Gas Pipeline Company, LLC, the manager of one or more manufacturing, production, or operating facilities of the applicant and am authorized to make management decisions which govern the operation of regulated facility including having explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure the applicant's long term environmental compliance with environmental laws and regulations; and I am responsible for ensuring that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements.

(choose one of the following; not applicable for individuals):

☐ The responsible corporate officer ☐ president ☐ vice president ☐ secretary
☐ treasure of _____ Corporation/Company
Entity name

☒ The ☐ member or ☒ manager of Transcontinental Gas Pipe Line Company, LLC
Entity name

☐ The general partner of _____ partnership/LP/LLP
Entity name

☐ The principal executive officer or ranking elected official of _____ Municipality/State/Federal/other public
agency
Entity name

☐ Power of Attorney/delegation of contractual authority (documentation supporting delegation of contracting
authority must be provided) for _____
Entity name

Print Name and Title of Applicant

Print Name and Title of Co-Applicant (if applicable)

Signature of Applicant

Signature of Co-Applicant

Date Application Signed

Date Application Signed

Notarization

Sworn to and subscribed to before me this

Commonwealth of Pennsylvania

_____ day of _____, 20_____

County of _____

Notary Public

My Commission expires _____

AFFIX SEAL

SECTION M. ADDITIONAL CONTACT INFORMATION			
Contact's Last Name Nelson	First Name Ryan	MI J	Phone (814) 689-1650 FAX
Mailing Address 2525 Green Tech Drive, Suite B	City State College	State PA	ZIP + 4 16803
e-Mail Address ryann@whmgroup.com			

Section 1-1.1 NOI Supporting Information

Project Component	Site	Site Location City	ZIP Code	County	Municipality	Total Project Area/Project Site (Acre)	Total Disturbed Area (Acre)	Latitude / Longitude	U.S.G.S. 7.5 min. Topographic Quadrangle	Receiving Waters	Chapter 93, Designated Use Stream Classification	Chapter 93, Existing Use Stream Classification	Siltation Impaired
Regional Energy Lateral	Pipeline			Luzerne	Buck, Bear Creek, Plains, Jenkins, Kingston, Dallas, Wyoming, West Wyoming, Laflin	952.63	420.67 (includes CS 515 and sites below)	41.173337, -75.671706 (eastern terminus) 41.346917, -75.946263 (western terminus)	Kingston, Pittston, Avoca, Wilkes-Barre East, Pleasant View Summit	Stony Run, Shades Creek, Little Shades Creek, Snider Run, Meadow Run, Bear Creek, Little Bear Creek, Mill Creek, Gardner Creek, Susquehanna River, Abrahams Creek, Toby Creek, Trout Brook	MF, HQ-CWF, WWF, CWF	-	No
	CY-LU-001	Wyoming	18644	Luzerne	Wyoming		16.3 (Included within above total)	41.31016, -75.84636		Abrahams Creek	CWF, MF	-	No
	CY-LU-002	Wilkes-Barre	18702	Luzerne	Laflin		11.4 (Included within above total)	41.28491, -75.79026		Gardner Creek	CWF, MF	-	No
	MLV-515RA20	Wilkes-Barre	18702	Luzerne	Bear Creek Township		0.46 (Included within above total)	41.25279, -75.75856		Mill Creek	CWF, MF	-	No
	MLV-515RA30	Wyoming	18644	Luzerne	Wyoming Borough		0.44 (Included within above total)	41.30411, -75.84662		Susquehanna River	WWF		No
	Carverton Tie-in	Wyoming	18644	Luzerne	West Wyoming Borough		3.9 (Included within above total)	41.32053, -75.87270		Abrahams Creek	CWF, MF		No
	Lower Demunds REL Tie-in	Dallas	18612	Luzerne	Dallas Township		1.7 (Included within above total)	41.34652, -75.94551		Trout Brook	CWF, MF		No
	Hildebrandt Tie-in/MLV-515RA40	Dallas	18612	Luzerne	Dallas Township		3.1 (Included within above total)	41.34692, -75.94629		Toby Creek, Trout Brook	CWF, MF		No
	Laflin Borough Stream Stabilization	Wilkes-Barre	18702	Luzerne	Laflin Borough		0.94 (Included within above total)	41.28925, -75.80209		Gardner Creek	CWF, MF	-	No
Effort Loop	Pipeline			Monroe	Ross, Chestnuthill, Tunkhannock	360.63	262.18	40.896796, -75.370606 (Southeast Terminus) 41.053413, -75.526178 (Northwest Terminus)	Blakeslee, Pocono Pines, Brodheads ville, Saylorsburg	Lake Creek, Princess Run, Weir Creek, McMichael Creek, Pohopoco Creek, Sugar Hollow Creek, Poplar Creek, Mud Run, Mud Pond Run, Tunkhannock Creek	EV, MF, HQ-CWF, CWF	EV, MF	No

Regional Energy Access Expansion Project
ESCGP-3 Permit Application
Transcontinental Gas Pipe Line Company, LLC
Section 1-1.1 NOI Supporting Information

Project Component	Site	Site Location City	ZIP Code	County	Municipality	Total Project Area/Project Site (Acre)	Total Disturbed Area (Acre)	Latitude / Longitude	U.S.G.S. 7.5 min. Topographic Quadrangle	Receiving Waters	Chapter 93, Designated Use Stream Classification	Chapter 93, Existing Use Stream Classification	Siltation Impaired
	MLV-505LD86 Sugar Hollow Valve Yard	Effort	18330	Monroe	Chestnut Hill Township		8.8 (Included within above total)	40.96775, -75.42980		Sugar Hollow Creek	CWF, MF	-	No
	CY-MO-001	Saylorsburg	18353	Monroe	Ross Township		50.1 (Included within above total)	40.89803, -75.36784		Lake Creek, Princess Run	HQ-CWF, MF, CWF	-	No
Delaware River Regulator		Easton	18040	Northampton	Lower Mt. Bethel	11.28	3.25	40.76220 -75.19653	Bangor, PA	Mud Run	CWF, MF	-	No
Mainline “A” Regulator		Washington Crossing	18977	Bucks	Lower Makefield	0.94	0.530	40.26807, -74.85712	Pennington, NJ-PA	Dyers Creek, Delaware River	MF, WWF	-	No
Compressor Station 200		Frazer	19335	Chester	East Whiteland	20.28	3.16	40.04998, -75.58589	Malvern, PA	Valley Creek	EV, MF, CWF	-	Yes
Compressor Station 515		White Haven	18661	Luzerne	Buck	952.63 (Included with Regional Energy Lateral)	24.83 (included with Regional Energy Lateral)	41.17380, -75.67118	Pleasant View Summit, PA	Shades Creek, Stony Run	HQ-CWF, MF	-	No