



Transcontinental Gas Pipe Line Company, LLC

Section 1-6 – Act 14 Municipal Notifications

Regional Energy Access Expansion Project

April 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)



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,

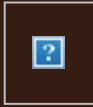


Ryan J. Nelson, PWS
WHM Consulting, LLC

Enclosures:

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

From: [UPS](#)
To: SFOX@WHMGROUP.COM
Subject: UPS Delivery Notification, Tracking Number 1Z8797VV0390634452
Date: Thursday, April 1, 2021 10:20:02 AM



Hello, your package has been delivered.

Delivery Date: Thursday, 04/01/2021

Delivery Time: 10:18 AM

Left At: OFFICE

Signed by: WEIBRECHT

WHM CONSULTING, INC

Tracking Number:	1Z8797VV0390634452
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:	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? ☐ Yes ☒ No If yes, Permit No. _____					
Has a well permit application been submitted for this site? ☐ Yes ☒ No If yes, Permit No. _____					
Does this site have a 911 address? ☐ Yes ☒ 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 ☐	Boro ☒	Twp. ☒
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?			☒ Yes ☐ No		
2. Will the project in which the well pad will be constructed be in or on a floodplain?			☐ Yes ☒ 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?			☐ Yes ☒ 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?			☒ Yes ☐ No		
5. Do any unresolved non-compliance issues exist with the applicant or the facility?			☐ Yes ☒ No		
6. Is the project a transmission project?			☒ Yes ☐ No		

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.	
II. Expedited Review Process	
1. Is the technically and administratively complete and accurate NOI package prepared and certified by a licensed professional?	☐ Yes ☐ 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>	☐ Yes ☐ 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?	☐ Yes ☐ 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?	☐ Yes ☐ 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)	☐ Yes ☐ 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)	☐ Yes ☐ No
4. If applicable, have you included PNDI clearance letters or other documentation from applicable resource agencies?	☐ Yes ☐ 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? ☐ Yes ☐ No	☐ Yes ☐ 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 (for permit modification only)																	
Fee: (For additional information regarding fees, refer to NOI Instructions #3 Permit NOI Filing Fees.)			\$ \$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>☐ Oil/Gas Well ¹</td> <td>☒ Transmission Facility</td> </tr> <tr> <td>☐ Gathering Facility</td> <td>☐ Processing Facility</td> </tr> <tr> <td>☐ Treatment Facility</td> <td>☐ Well Development Impoundment</td> </tr> <tr> <td>☒ Compressor Station</td> <td>☐ Non-FERC regulated Transmission Facility</td> </tr> <tr> <td>☒ Pipeline</td> <td>☐ Ground/Surface Water Withdrawal Site</td> </tr> <tr> <td>☐ Storage Field Facility</td> <td></td> </tr> <tr> <td>☐ Other</td> <td></td> </tr> </table>				☐ Oil/Gas Well ¹	☒ Transmission Facility	☐ Gathering Facility	☐ Processing Facility	☐ Treatment Facility	☐ Well Development Impoundment	☒ Compressor Station	☐ Non-FERC regulated Transmission Facility	☒ Pipeline	☐ Ground/Surface Water Withdrawal Site	☐ Storage Field Facility		☐ Other	
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☒ Pipeline	☐ Ground/Surface Water Withdrawal Site																
☐ Storage Field Facility																	
☐ Other																	
¹ If Oil/Gas Well; is the well conventional or unconventional? ☐ Conventional ☐ 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: ☐ GPS ☒ Interpolated from U.S.G.S. Topographic Map ☐ 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? ☐ Yes ☒ No If Yes, Include Master Site Plan Estimated Timetable for Phased Projects. ☐ 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? ☐ Yes ☒ 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 ☒ No ☐ <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 ☒ No ☐ (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 ☒ No ☐ 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 ☒ No ☐ <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 ☒ No ☐ <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 ☒ No ☐					
15. Have existing and/or proposed Riparian Forest Buffers been identified? Yes ☒ N/A ☐ <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 ☒ No ☐ N/A ☐ <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]

	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired ☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired ☐ HQ ☐ EV ☐ Other _____ ☐ 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		☐	☐
Stage 2		☐	☐
Stage 3		☐	☐
Stage 4		☐	☐

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☒ Other <u>Vegetated Swale</u>	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	 <u>1,009cf(2-yr):</u> <u>4,264cf(100-yr)</u>	 <u>0.49</u>

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

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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
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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

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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 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 <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: 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☒ Infiltration Bed ☐ Infiltration Basin ☐ Rain Garden/ Bioretention ☐ Infiltration Berm ☐ Vegetated Swale	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ <u>2,265cf(2-yr);</u> <u>5,881cf(100-yr)</u>	_____ <u>0.21</u>
Natural Area Conservation ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____

☐ Roadside Vegetated Filter Strips		☐ VC ☐ RC ☐ WQ	_____	_____
Stormwater Energy Dissipaters	Infiltration/Recharge			
☐ Level Spreaders		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Riprap Aprons		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Upslope Diversions		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Other _____		☐ VC ☐ RC ☐ 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☒ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ 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 ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☐ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	_____ _____ _____ _____ <u>3,790cf(2-yr);</u> <u>11,631cf(100-yr)</u>	_____ _____ _____ _____ <u>0.56</u>
Natural Area Conservation ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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 <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: 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☐ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	_____ _____ _____ _____ <u>31,799cf(2-yr):</u> <u>96,268cf(100-yr)</u>	_____ _____ _____ _____ <u>3.83</u>
Natural Area Conservation ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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.

- 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
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) See Section 2 of this ESCGP-3 Application	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) See Section 3 of this ESCGP-3 Application
Nondischarge BMPs ☐ Alternative Siting ☐ Alternative location ☐ Alternative configuration ☐ Alternative location of discharge ☒ Limited Disturbed Area ☐ Limiting Extent & Duration of Disturbance (Phasing, Sequencing) ☐ Riparian Buffers (150 ft. min.) ☐ Riparian Forest Buffer (150 ft. min.) ☐ Other _____	Nondischarge BMPs ☐ Alternative Siting ☐ Alternative location ☐ Alternative configuration ☐ Alternative location of discharge ☐ Low Impact Development (LID / BSD) ☐ Riparian Buffers (150 ft. min.) ☐ Riparian Forest Buffer (150 ft. min.) ☒ Infiltration ☐ Water Reuse ☐ Other _____
Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality during construction? ☐ Yes ☒ No If yes, antidegradation analysis is complete. If no, proceed to Part 2.	Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality after construction? ☐ Yes ☒ No If yes, antidegradation analysis is complete. If no, proceed to Part 2.

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
☒ Treatment BMPs: ☐ Sediment basin with skimmer ☐ Sediment basin ratio of 4:1 or greater (flow length to basin width) ☐ Sediment basin with 4-7 day detention ☐ Flocculants ☒ Compost Filter Socks ☒ Compost Filter Sock Sediment Basin ☒ RCE w/ Wash Rack ☒ Land disposal: ☐ Vegetated filters ☐ Riparian buffers <150ft. ☐ Riparian Forest Buffer <150ft. ☒ Immediate stabilization ☒ Pollution prevention: ☒ PPC Plans ☒ Street sweeping ☒ Channels, collectors and diversions lined with permanent vegetation, rock, geotextile or other non-erosive materials ☐ Stormwater reuse technologies: ☐ Sediment basin water for dust control ☐ Sediment basin water for irrigation ☐ Other _____	☒ Treatment BMPs: ☒ Infiltration Practices ☐ Wet ponds ☐ Created wetland treatment systems ☒ Vegetated swales ☐ Manufactured devices ☒ Bio-retention/infiltration ☐ Green Roofs ☐ Land disposal: ☐ Vegetated filters ☐ Riparian Buffers <150ft. ☐ Riparian Forest Buffer <150ft. ☐ Disconnection of roof drainage ☐ Bio-retention/bio-infiltration ☒ Pollution prevention: ☐ Street sweeping ☐ Nutrient, pesticide, herbicide or other chemical application plan alternatives ☒ PPC Plans ☒ Non-structural Practices ☒ Restoration BMPs ☐ Stormwater reuse technologies: ☐ Divert rainwater into impoundment ☐ Underground storage ☐ Spray/Drip Irrigation ☐ Other _____
Are the ABACT BMPs selected sufficient to minimize E&S discharges to the extent that existing or designated surface water uses are protected? ☒ Yes ☐ No If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.	Are the ABACT BMPs selected sufficient to achieve no net change and assure that existing or designated surface water uses are protected? ☒ Yes ☐ No If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.

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	
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



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

Address	City	State	ZIP Code
Email Address			

SECTION C. SITE INFORMATION					
Is there an existing ESCGP associated with this site? ☐ Yes ☒ No If yes, Permit No. _____					
Has a well permit application been submitted for this site? ☐ Yes ☒ No If yes, Permit No. _____					
Does this site have a 911 address? ☐ Yes ☒ 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 ☐	Boro ☒	Twp. ☒
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?			☒ Yes ☐ No		
2. Will the project in which the well pad will be constructed be in or on a floodplain?			☐ Yes ☒ 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?			☐ Yes ☒ 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?			☒ Yes ☐ No		
5. Do any unresolved non-compliance issues exist with the applicant or the facility?			☐ Yes ☒ No		
6. Is the project a transmission project?			☒ Yes ☐ No		

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.	
II. Expedited Review Process	
1. Is the technically and administratively complete and accurate NOI package prepared and certified by a licensed professional?	☐ Yes ☐ 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>	☐ Yes ☐ 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?	☐ Yes ☐ 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?	☐ Yes ☐ 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)	☐ Yes ☐ 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)	☐ Yes ☐ No
4. If applicable, have you included PNDI clearance letters or other documentation from applicable resource agencies?	☐ Yes ☐ 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? ☐ Yes ☐ No	☐ Yes ☐ 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 (for permit modification only)																	
Fee: (For additional information regarding fees, refer to NOI Instructions #3 Permit NOI Filing Fees.)			\$ \$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>☐ Oil/Gas Well ¹</td> <td>☒ Transmission Facility</td> </tr> <tr> <td>☐ Gathering Facility</td> <td>☐ Processing Facility</td> </tr> <tr> <td>☐ Treatment Facility</td> <td>☐ Well Development Impoundment</td> </tr> <tr> <td>☒ Compressor Station</td> <td>☐ Non-FERC regulated Transmission Facility</td> </tr> <tr> <td>☒ Pipeline</td> <td>☐ Ground/Surface Water Withdrawal Site</td> </tr> <tr> <td>☐ Storage Field Facility</td> <td></td> </tr> <tr> <td>☐ Other</td> <td></td> </tr> </table>				☐ Oil/Gas Well ¹	☒ Transmission Facility	☐ Gathering Facility	☐ Processing Facility	☐ Treatment Facility	☐ Well Development Impoundment	☒ Compressor Station	☐ Non-FERC regulated Transmission Facility	☒ Pipeline	☐ Ground/Surface Water Withdrawal Site	☐ Storage Field Facility		☐ Other	
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☒ Compressor Station	☐ Non-FERC regulated Transmission Facility																
☒ Pipeline	☐ Ground/Surface Water Withdrawal Site																
☐ Storage Field Facility																	
☐ Other																	
¹ If Oil/Gas Well; is the well conventional or unconventional? ☐ Conventional ☐ 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: ☐ GPS ☒ Interpolated from U.S.G.S. Topographic Map ☐ 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? ☐ Yes ☒ No If Yes, Include Master Site Plan Estimated Timetable for Phased Projects. ☐ 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 pollutorial substances other than sediment? ☐ Yes ☒ 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 ☒ No ☐ <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 ☒ No ☐ (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 ☒ No ☐ 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 ☒ No ☐ <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 ☒ No ☐ <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 ☒ No ☐					
15. Have existing and/or proposed Riparian Forest Buffers been identified? Yes ☒ N/A ☐ <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 ☒ No ☐ N/A ☐ <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 <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>	Chapter 93, Designated Use Stream Classification ☒ HQ ☒ EV ☒ Other <u>CWF, MF, WWF</u> ☒ Siltation-impaired ☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired	Chapter 93, Existing Use Stream Classification ☐ HQ ☒ EV ☒ Other <u>MF</u> ☐ Siltation-impaired ☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired

	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired ☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired ☐ HQ ☐ EV ☐ Other _____ ☐ 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		☐	☐
Stage 2		☐	☐
Stage 3		☐	☐
Stage 4		☐	☐

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☒ Other <u>Vegetated Swale</u>	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	 <u>1,009cf(2-yr):</u> <u>4,264cf(100-yr)</u>	 <u>0.49</u>

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

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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 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 <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: 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☒ Infiltration Bed ☐ Infiltration Basin ☐ Rain Garden/ Bioretention ☐ Infiltration Berm ☐ Vegetated Swale	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ <u>2,265cf(2-yr);</u> <u>5,881cf(100-yr)</u>	_____ <u>0.21</u>
Natural Area Conservation ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____

☐ Roadside Vegetated Filter Strips		☐ VC ☐ RC ☐ WQ	_____	_____
Stormwater Energy Dissipaters	Infiltration/Recharge			
☐ Level Spreaders		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Riprap Aprons		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Upslope Diversions		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Other _____		☐ VC ☐ RC ☐ 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☒ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ 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 ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☐ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	_____ _____ _____ _____ <u>3,790cf(2-yr);</u> <u>11,631cf(100-yr)</u>	_____ _____ _____ _____ <u>0.56</u>
Natural Area Conservation ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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.

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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.

- 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
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) See Section 2 of this ESCGP-3 Application	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) See Section 3 of this ESCGP-3 Application
Nondischarge BMPs ☐ Alternative Siting ☐ Alternative location ☐ Alternative configuration ☐ Alternative location of discharge ☒ Limited Disturbed Area ☐ Limiting Extent & Duration of Disturbance (Phasing, Sequencing) ☐ Riparian Buffers (150 ft. min.) ☐ Riparian Forest Buffer (150 ft. min.) ☐ Other _____	Nondischarge BMPs ☐ Alternative Siting ☐ Alternative location ☐ Alternative configuration ☐ Alternative location of discharge ☐ Low Impact Development (LID / BSD) ☐ Riparian Buffers (150 ft. min.) ☐ Riparian Forest Buffer (150 ft. min.) ☒ Infiltration ☐ Water Reuse ☐ Other _____
Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality during construction? ☐ Yes ☒ No If yes, antidegradation analysis is complete. If no, proceed to Part 2.	Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality after construction? ☐ Yes ☒ No If yes, antidegradation analysis is complete. If no, proceed to Part 2.

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
☒ Treatment BMPs: ☐ Sediment basin with skimmer ☐ Sediment basin ratio of 4:1 or greater (flow length to basin width) ☐ Sediment basin with 4-7 day detention ☐ Flocculants ☒ Compost Filter Socks ☒ Compost Filter Sock Sediment Basin ☒ RCE w/ Wash Rack ☒ Land disposal: ☐ Vegetated filters ☐ Riparian buffers <150ft. ☐ Riparian Forest Buffer <150ft. ☒ Immediate stabilization ☒ Pollution prevention: ☒ PPC Plans ☒ Street sweeping ☒ Channels, collectors and diversions lined with permanent vegetation, rock, geotextile or other non-erosive materials ☐ Stormwater reuse technologies: ☐ Sediment basin water for dust control ☐ Sediment basin water for irrigation ☐ Other _____	☒ Treatment BMPs: ☒ Infiltration Practices ☐ Wet ponds ☐ Created wetland treatment systems ☒ Vegetated swales ☐ Manufactured devices ☒ Bio-retention/infiltration ☐ Green Roofs ☐ Land disposal: ☐ Vegetated filters ☐ Riparian Buffers <150ft. ☐ Riparian Forest Buffer <150ft. ☐ Disconnection of roof drainage ☐ Bio-retention/bio-infiltration ☒ Pollution prevention: ☐ Street sweeping ☐ Nutrient, pesticide, herbicide or other chemical application plan alternatives ☒ PPC Plans ☒ Non-structural Practices ☒ Restoration BMPs ☐ Stormwater reuse technologies: ☐ Divert rainwater into impoundment ☐ Underground storage ☐ Spray/Drip Irrigation ☐ Other _____
Are the ABACT BMPs selected sufficient to minimize E&S discharges to the extent that existing or designated surface water uses are protected? ☒ Yes ☐ No If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.	Are the ABACT BMPs selected sufficient to achieve no net change and assure that existing or designated surface water uses are protected? ☒ Yes ☐ No If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.

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



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,

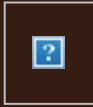


Ryan J. Nelson, PWS
WHM Consulting, LLC

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? ☐ Yes ☒ No If yes, Permit No. _____					
Has a well permit application been submitted for this site? ☐ Yes ☒ No If yes, Permit No. _____					
Does this site have a 911 address? ☐ Yes ☒ 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 ☐	Boro ☒	Twp. ☒
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?				☒ Yes ☐ No	
2. Will the project in which the well pad will be constructed be in or on a floodplain?				☐ Yes ☒ 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?				☐ Yes ☒ 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?				☒ Yes ☐ No	
5. Do any unresolved non-compliance issues exist with the applicant or the facility?				☐ Yes ☒ No	
6. Is the project a transmission project?				☒ Yes ☐ No	

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.	
II. Expedited Review Process	
1. Is the technically and administratively complete and accurate NOI package prepared and certified by a licensed professional?	☐ Yes ☐ 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>	☐ Yes ☐ 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?	☐ Yes ☐ 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?	☐ Yes ☐ 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)	☐ Yes ☐ 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)	☐ Yes ☐ No
4. If applicable, have you included PNDI clearance letters or other documentation from applicable resource agencies?	☐ Yes ☐ 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? ☐ Yes ☐ No	☐ Yes ☐ 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 (for permit modification only)																	
Fee: (For additional information regarding fees, refer to NOI Instructions #3 Permit NOI Filing Fees.)			\$ \$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>☐ Oil/Gas Well ¹</td> <td>☒ Transmission Facility</td> </tr> <tr> <td>☐ Gathering Facility</td> <td>☐ Processing Facility</td> </tr> <tr> <td>☐ Treatment Facility</td> <td>☐ Well Development Impoundment</td> </tr> <tr> <td>☒ Compressor Station</td> <td>☐ Non-FERC regulated Transmission Facility</td> </tr> <tr> <td>☒ Pipeline</td> <td>☐ Ground/Surface Water Withdrawal Site</td> </tr> <tr> <td>☐ Storage Field Facility</td> <td></td> </tr> <tr> <td>☐ Other</td> <td></td> </tr> </table>				☐ Oil/Gas Well ¹	☒ Transmission Facility	☐ Gathering Facility	☐ Processing Facility	☐ Treatment Facility	☐ Well Development Impoundment	☒ Compressor Station	☐ Non-FERC regulated Transmission Facility	☒ Pipeline	☐ Ground/Surface Water Withdrawal Site	☐ Storage Field Facility		☐ Other	
☐ Oil/Gas Well ¹	☒ Transmission Facility																
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☒ Compressor Station	☐ Non-FERC regulated Transmission Facility																
☒ Pipeline	☐ Ground/Surface Water Withdrawal Site																
☐ Storage Field Facility																	
☐ Other																	
¹ If Oil/Gas Well; is the well conventional or unconventional? ☐ Conventional ☐ 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: ☐ GPS ☒ Interpolated from U.S.G.S. Topographic Map ☐ 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? ☐ Yes ☒ No If Yes, Include Master Site Plan Estimated Timetable for Phased Projects. ☐ 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? ☐ Yes ☒ 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 ☒ No ☐ <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 ☒ No ☐ (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 ☒ No ☐ 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 ☒ No ☐ <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 ☒ No ☐ <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 ☒ No ☐					
15. Have existing and/or proposed Riparian Forest Buffers been identified? Yes ☒ N/A ☐ <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 ☒ No ☐ N/A ☐ <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]

	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired ☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired ☐ HQ ☐ EV ☐ Other _____ ☐ 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		☐	☐
Stage 2		☐	☐
Stage 3		☐	☐
Stage 4		☐	☐

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☒ Other <u>Vegetated Swale</u>	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	 <u>1,009cf(2-yr):</u> <u>4,264cf(100-yr)</u>	 <u>0.49</u>
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
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TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - Carverton Tie-In

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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.

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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

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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 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 <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: 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☒ Infiltration Bed ☐ Infiltration Basin ☐ Rain Garden/ Bioretention ☐ Infiltration Berm ☐ Vegetated Swale	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ <u>2,265cf(2-yr);</u> <u>5,881cf(100-yr)</u>	_____ <u>0.21</u>
Natural Area Conservation ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____

☐ Roadside Vegetated Filter Strips		☐ VC ☐ RC ☐ WQ	_____	_____
Stormwater Energy Dissipaters	Infiltration/Recharge			
☐ Level Spreaders		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Riprap Aprons		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Upslope Diversions		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Other _____		☐ VC ☐ RC ☐ 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
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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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☒ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ 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 ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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
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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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☐ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	_____ _____ _____ _____ <u>3,790cf(2-yr);</u> <u>11,631cf(100-yr)</u>	_____ _____ _____ _____ <u>0.56</u>
Natural Area Conservation ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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 <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: 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☐ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	_____ _____ _____ _____ <u>31,799cf(2-yr):</u> <u>96,268cf(100-yr)</u>	_____ _____ _____ _____ <u>3.83</u>
Natural Area Conservation ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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.

- 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
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) See Section 2 of this ESCGP-3 Application	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) See Section 3 of this ESCGP-3 Application
Nondischarge BMPs ☐ Alternative Siting ☐ Alternative location ☐ Alternative configuration ☐ Alternative location of discharge ☒ Limited Disturbed Area ☐ Limiting Extent & Duration of Disturbance (Phasing, Sequencing) ☐ Riparian Buffers (150 ft. min.) ☐ Riparian Forest Buffer (150 ft. min.) ☐ Other _____	Nondischarge BMPs ☐ Alternative Siting ☐ Alternative location ☐ Alternative configuration ☐ Alternative location of discharge ☐ Low Impact Development (LID / BSD) ☐ Riparian Buffers (150 ft. min.) ☐ Riparian Forest Buffer (150 ft. min.) ☒ Infiltration ☐ Water Reuse ☐ Other _____
Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality during construction? ☐ Yes ☒ No If yes, antidegradation analysis is complete. If no, proceed to Part 2.	Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality after construction? ☐ Yes ☒ No If yes, antidegradation analysis is complete. If no, proceed to Part 2.

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
☒ Treatment BMPs: ☐ Sediment basin with skimmer ☐ Sediment basin ratio of 4:1 or greater (flow length to basin width) ☐ Sediment basin with 4-7 day detention ☐ Flocculants ☒ Compost Filter Socks ☒ Compost Filter Sock Sediment Basin ☒ RCE w/ Wash Rack ☒ Land disposal: ☐ Vegetated filters ☐ Riparian buffers <150ft. ☐ Riparian Forest Buffer <150ft. ☒ Immediate stabilization ☒ Pollution prevention: ☒ PPC Plans ☒ Street sweeping ☒ Channels, collectors and diversions lined with permanent vegetation, rock, geotextile or other non-erosive materials ☐ Stormwater reuse technologies: ☐ Sediment basin water for dust control ☐ Sediment basin water for irrigation ☐ Other _____	☒ Treatment BMPs: ☒ Infiltration Practices ☐ Wet ponds ☐ Created wetland treatment systems ☒ Vegetated swales ☐ Manufactured devices ☒ Bio-retention/infiltration ☐ Green Roofs ☐ Land disposal: ☐ Vegetated filters ☐ Riparian Buffers <150ft. ☐ Riparian Forest Buffer <150ft. ☐ Disconnection of roof drainage ☐ Bio-retention/bio-infiltration ☒ Pollution prevention: ☐ Street sweeping ☐ Nutrient, pesticide, herbicide or other chemical application plan alternatives ☒ PPC Plans ☒ Non-structural Practices ☒ Restoration BMPs ☐ Stormwater reuse technologies: ☐ Divert rainwater into impoundment ☐ Underground storage ☐ Spray/Drip Irrigation ☐ Other _____
Are the ABACT BMPs selected sufficient to minimize E&S discharges to the extent that existing or designated surface water uses are protected? ☒ Yes ☐ No If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.	Are the ABACT BMPs selected sufficient to achieve no net change and assure that existing or designated surface water uses are protected? ☒ Yes ☐ No If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.

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
_____ 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					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



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,

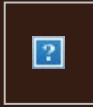


Ryan J. Nelson, PWS
WHM Consulting, LLC

Enclosures:

NOI Form
Erosion and Sediment Control Plan Drawings

From: [UPS](#)
To: SFOX@WHMGROUP.COM
Subject: UPS Delivery Notification, Tracking Number 1Z8797VV0393508495
Date: Thursday, April 1, 2021 10:29:04 AM



Hello, your package has been delivered.

Delivery Date: Thursday, 04/01/2021

Delivery Time: 10:27 AM

Left At: RECEIVER

Signed by: FARCHIELD

WHM CONSULTING, INC

Tracking Number:	1Z8797VV0393508495
Ship To:	JENKINS TOWNSHIP SUPERVISORS 46 1/2 MAIN STREET INKERMAN, PA 18640 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? ☐ Yes ☒ No If yes, Permit No. _____					
Has a well permit application been submitted for this site? ☐ Yes ☒ No If yes, Permit No. _____					
Does this site have a 911 address? ☐ Yes ☒ 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 ☐	Boro ☒	Twp. ☒
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?			☒ Yes ☐ No		
2. Will the project in which the well pad will be constructed be in or on a floodplain?			☐ Yes ☒ 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?			☐ Yes ☒ 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?			☒ Yes ☐ No		
5. Do any unresolved non-compliance issues exist with the applicant or the facility?			☐ Yes ☒ No		
6. Is the project a transmission project?			☒ Yes ☐ No		

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.	
II. Expedited Review Process	
1. Is the technically and administratively complete and accurate NOI package prepared and certified by a licensed professional?	☐ Yes ☐ 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>	☐ Yes ☐ 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?	☐ Yes ☐ 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?	☐ Yes ☐ 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)	☐ Yes ☐ 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)	☐ Yes ☐ No
4. If applicable, have you included PNDI clearance letters or other documentation from applicable resource agencies?	☐ Yes ☐ 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? ☐ Yes ☐ No	☐ Yes ☐ 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>☐ Oil/Gas Well ¹</td> <td>☒ Transmission Facility</td> </tr> <tr> <td>☐ Gathering Facility</td> <td>☐ Processing Facility</td> </tr> <tr> <td>☐ Treatment Facility</td> <td>☐ Well Development Impoundment</td> </tr> <tr> <td>☒ Compressor Station</td> <td>☐ Non-FERC regulated Transmission Facility</td> </tr> <tr> <td>☒ Pipeline</td> <td>☐ Ground/Surface Water Withdrawal Site</td> </tr> <tr> <td>☐ Storage Field Facility</td> <td></td> </tr> <tr> <td>☐ Other</td> <td></td> </tr> </table>				☐ Oil/Gas Well ¹	☒ Transmission Facility	☐ Gathering Facility	☐ Processing Facility	☐ Treatment Facility	☐ Well Development Impoundment	☒ Compressor Station	☐ Non-FERC regulated Transmission Facility	☒ Pipeline	☐ Ground/Surface Water Withdrawal Site	☐ Storage Field Facility		☐ Other	
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☒ Compressor Station	☐ Non-FERC regulated Transmission Facility																
☒ Pipeline	☐ Ground/Surface Water Withdrawal Site																
☐ Storage Field Facility																	
☐ Other																	
¹ If Oil/Gas Well; is the well conventional or unconventional? ☐ Conventional ☐ 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: ☐ GPS ☒ Interpolated from U.S.G.S. Topographic Map ☐ 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? ☐ Yes ☒ No If Yes, Include Master Site Plan Estimated Timetable for Phased Projects. ☐ 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? ☐ Yes ☒ 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 ☒ No ☐ <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 ☒ No ☐ (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 ☒ No ☐ 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 ☒ No ☐ <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 ☒ No ☐ <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 ☒ No ☐					
15. Have existing and/or proposed Riparian Forest Buffers been identified? Yes ☒ N/A ☐ <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 ☒ No ☐ N/A ☐ <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 <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>	Chapter 93, Designated Use Stream Classification ☒ HQ ☒ EV ☒ Other <u>CWF, MF, WWF</u> ☒ Siltation-impaired	Chapter 93, Existing Use Stream Classification ☐ HQ ☒ EV ☒ Other <u>MF</u> ☐ Siltation-impaired
	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired

	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired ☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired ☐ HQ ☐ EV ☐ Other _____ ☐ 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		☐	☐
Stage 2		☐	☐
Stage 3		☐	☐
Stage 4		☐	☐

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☒ Other <u>Vegetated Swale</u>	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	 <u>1,009cf(2-yr):</u> <u>4,264cf(100-yr)</u>	 <u>0.49</u>
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

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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 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 <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: 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☒ Infiltration Bed ☐ Infiltration Basin ☐ Rain Garden/ Bioretention ☐ Infiltration Berm ☐ Vegetated Swale	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ <u>2,265cf(2-yr);</u> <u>5,881cf(100-yr)</u>	_____ <u>0.21</u>
Natural Area Conservation ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____

☐ Roadside Vegetated Filter Strips		☐ VC ☐ RC ☐ WQ	_____	_____
Stormwater Energy Dissipaters	Infiltration/Recharge			
☐ Level Spreaders		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Riprap Aprons		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Upslope Diversions		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Other _____		☐ VC ☐ RC ☐ 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
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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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☒ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ 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 ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☐ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	_____ _____ _____ _____ <u>3,790cf(2-yr);</u> <u>11,631cf(100-yr)</u>	_____ _____ _____ _____ <u>0.56</u>
Natural Area Conservation ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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 <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: 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☐ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	_____ _____ _____ _____ <u>31,799cf(2-yr):</u> <u>96,268cf(100-yr)</u>	_____ _____ _____ _____ <u>3.83</u>
Natural Area Conservation ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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.

- 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
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) See Section 2 of this ESCGP-3 Application	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) See Section 3 of this ESCGP-3 Application
Nondischarge BMPs ☐ Alternative Siting ☐ Alternative location ☐ Alternative configuration ☐ Alternative location of discharge ☒ Limited Disturbed Area ☐ Limiting Extent & Duration of Disturbance (Phasing, Sequencing) ☐ Riparian Buffers (150 ft. min.) ☐ Riparian Forest Buffer (150 ft. min.) ☐ Other _____	Nondischarge BMPs ☐ Alternative Siting ☐ Alternative location ☐ Alternative configuration ☐ Alternative location of discharge ☐ Low Impact Development (LID / BSD) ☐ Riparian Buffers (150 ft. min.) ☐ Riparian Forest Buffer (150 ft. min.) ☒ Infiltration ☐ Water Reuse ☐ Other _____
Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality during construction? ☐ Yes ☒ No If yes, antidegradation analysis is complete. If no, proceed to Part 2.	Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality after construction? ☐ Yes ☒ No If yes, antidegradation analysis is complete. If no, proceed to Part 2.

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
☒ Treatment BMPs: ☐ Sediment basin with skimmer ☐ Sediment basin ratio of 4:1 or greater (flow length to basin width) ☐ Sediment basin with 4-7 day detention ☐ Flocculants ☒ Compost Filter Socks ☒ Compost Filter Sock Sediment Basin ☒ RCE w/ Wash Rack ☒ Land disposal: ☐ Vegetated filters ☐ Riparian buffers <150ft. ☐ Riparian Forest Buffer <150ft. ☒ Immediate stabilization ☒ Pollution prevention: ☒ PPC Plans ☒ Street sweeping ☒ Channels, collectors and diversions lined with permanent vegetation, rock, geotextile or other non-erosive materials ☐ Stormwater reuse technologies: ☐ Sediment basin water for dust control ☐ Sediment basin water for irrigation ☐ Other _____	☒ Treatment BMPs: ☒ Infiltration Practices ☐ Wet ponds ☐ Created wetland treatment systems ☒ Vegetated swales ☐ Manufactured devices ☒ Bio-retention/infiltration ☐ Green Roofs ☐ Land disposal: ☐ Vegetated filters ☐ Riparian Buffers <150ft. ☐ Riparian Forest Buffer <150ft. ☐ Disconnection of roof drainage ☐ Bio-retention/bio-infiltration ☒ Pollution prevention: ☐ Street sweeping ☐ Nutrient, pesticide, herbicide or other chemical application plan alternatives ☒ PPC Plans ☒ Non-structural Practices ☒ Restoration BMPs ☐ Stormwater reuse technologies: ☐ Divert rainwater into impoundment ☐ Underground storage ☐ Spray/Drip Irrigation ☐ Other _____
Are the ABACT BMPs selected sufficient to minimize E&S discharges to the extent that existing or designated surface water uses are protected? ☒ Yes ☐ No If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.	Are the ABACT BMPs selected sufficient to achieve no net change and assure that existing or designated surface water uses are protected? ☒ Yes ☐ No If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.

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



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,

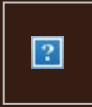


Ryan J. Nelson, PWS
WHM Consulting, LLC

Enclosures:

NOI Form
Erosion and Sediment Control Plan Drawings

From: [UPS](#)
To: SFOX@WHMGROUP.COM
Subject: UPS Delivery Notification, Tracking Number 1Z8797VV0393089260
Date: Thursday, April 1, 2021 12:21:21 PM



Hello, your package has been delivered.

Delivery Date: Thursday, 04/01/2021

Delivery Time: 12:19 PM

Left At: DOCK

Signed by: KATHY

WHM CONSULTING, INC

Tracking Number:	1Z8797VV0393089260
Ship To:	KINGSTON TOWNSHIP SUPERVISORS 180 EAST CENTER STREET SHAVERTOWN, PA 18708 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? ☐ Yes ☒ No If yes, Permit No. _____					
Has a well permit application been submitted for this site? ☐ Yes ☒ No If yes, Permit No. _____					
Does this site have a 911 address? ☐ Yes ☒ 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 ☐	Boro ☒	Twp. ☒
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?				☒ Yes ☐ No	
2. Will the project in which the well pad will be constructed be in or on a floodplain?				☐ Yes ☒ 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?				☐ Yes ☒ 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?				☒ Yes ☐ No	
5. Do any unresolved non-compliance issues exist with the applicant or the facility?				☐ Yes ☒ No	
6. Is the project a transmission project?				☒ Yes ☐ No	

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.	
II. Expedited Review Process	
1. Is the technically and administratively complete and accurate NOI package prepared and certified by a licensed professional?	☐ Yes ☐ 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>	☐ Yes ☐ 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?	☐ Yes ☐ 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?	☐ Yes ☐ 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)	☐ Yes ☐ 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)	☐ Yes ☐ No
4. If applicable, have you included PNDI clearance letters or other documentation from applicable resource agencies?	☐ Yes ☐ 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? ☐ Yes ☐ No	☐ Yes ☐ 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 (for permit modification only)																	
Fee: (For additional information regarding fees, refer to NOI Instructions #3 Permit NOI Filing Fees.)			\$ \$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>☐ Oil/Gas Well ¹</td> <td>☒ Transmission Facility</td> </tr> <tr> <td>☐ Gathering Facility</td> <td>☐ Processing Facility</td> </tr> <tr> <td>☐ Treatment Facility</td> <td>☐ Well Development Impoundment</td> </tr> <tr> <td>☒ Compressor Station</td> <td>☐ Non-FERC regulated Transmission Facility</td> </tr> <tr> <td>☒ Pipeline</td> <td>☐ Ground/Surface Water Withdrawal Site</td> </tr> <tr> <td>☐ Storage Field Facility</td> <td></td> </tr> <tr> <td>☐ Other</td> <td></td> </tr> </table>				☐ Oil/Gas Well ¹	☒ Transmission Facility	☐ Gathering Facility	☐ Processing Facility	☐ Treatment Facility	☐ Well Development Impoundment	☒ Compressor Station	☐ Non-FERC regulated Transmission Facility	☒ Pipeline	☐ Ground/Surface Water Withdrawal Site	☐ Storage Field Facility		☐ Other	
☐ Oil/Gas Well ¹	☒ Transmission Facility																
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☒ Compressor Station	☐ Non-FERC regulated Transmission Facility																
☒ Pipeline	☐ Ground/Surface Water Withdrawal Site																
☐ Storage Field Facility																	
☐ Other																	
¹ If Oil/Gas Well; is the well conventional or unconventional? ☐ Conventional ☐ 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: ☐ GPS ☒ Interpolated from U.S.G.S. Topographic Map ☐ 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? ☐ Yes ☒ No If Yes, Include Master Site Plan Estimated Timetable for Phased Projects. ☐ 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? ☐ Yes ☒ 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 ☒ No ☐ <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 ☒ No ☐ (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 ☒ No ☐ 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 ☒ No ☐ <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 ☒ No ☐ <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 ☒ No ☐					
15. Have existing and/or proposed Riparian Forest Buffers been identified? Yes ☒ N/A ☐ <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 ☒ No ☐ N/A ☐ <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 Effort Loop- <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>	Chapter 93, Designated Use Stream Classification ☒ HQ☒ EV☒ Other CWF, MF, WWF ☒ Siltation-impaired ☐ HQ☐ EV☐ Other _____ ☐ Siltation-impaired	Chapter 93, Existing Use Stream Classification ☐ HQ☒ EV☒ Other MF ☐ Siltation-impaired ☐ HQ☐ EV☐ Other _____ ☐ Siltation-impaired

	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired ☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired ☐ HQ ☐ EV ☐ Other _____ ☐ 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		☐	☐
Stage 2		☐	☐
Stage 3		☐	☐
Stage 4		☐	☐

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	☐
<u>Luzerne County Stormwater Management Ordinance</u>	<u>August 18, 2010</u>	Verification Report Included	☒
<u>Valley Creek Watershed Stormwater Management Plan</u>	<u>February 04, 2011</u>		

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☒ Other <u>Vegetated Swale</u>	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	 <u>1,009cf(2-yr):</u> <u>4,264cf(100-yr)</u>	 <u>0.49</u>
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

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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
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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

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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 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 (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-515RA40-Hildebrandt Tie-In

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

☐ Roadside Vegetated Filter Strips		☐ VC ☐ RC ☐ WQ	_____	_____
Stormwater Energy Dissipaters	Infiltration/Recharge			
☐ Level Spreaders		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Riprap Aprons		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Upslope Diversions		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Other _____		☐ VC ☐ RC ☐ 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☒ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ 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 ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☐ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	_____ _____ _____ _____ <u>3,790cf(2-yr);</u> <u>11,631cf(100-yr)</u>	_____ _____ _____ _____ <u>0.56</u>
Natural Area Conservation ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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 <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: 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☐ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	_____ _____ _____ _____ <u>31,799cf(2-yr):</u> <u>96,268cf(100-yr)</u>	_____ _____ _____ _____ <u>3.83</u>
Natural Area Conservation ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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.

- 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
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) See Section 2 of this ESCGP-3 Application	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) See Section 3 of this ESCGP-3 Application
Nondischarge BMPs ☐ Alternative Siting ☐ Alternative location ☐ Alternative configuration ☐ Alternative location of discharge ☒ Limited Disturbed Area ☐ Limiting Extent & Duration of Disturbance (Phasing, Sequencing) ☐ Riparian Buffers (150 ft. min.) ☐ Riparian Forest Buffer (150 ft. min.) ☐ Other _____	Nondischarge BMPs ☐ Alternative Siting ☐ Alternative location ☐ Alternative configuration ☐ Alternative location of discharge ☐ Low Impact Development (LID / BSD) ☐ Riparian Buffers (150 ft. min.) ☐ Riparian Forest Buffer (150 ft. min.) ☒ Infiltration ☐ Water Reuse ☐ Other _____
Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality during construction? ☐ Yes ☒ No If yes, antidegradation analysis is complete. If no, proceed to Part 2.	Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality after construction? ☐ Yes ☒ No If yes, antidegradation analysis is complete. If no, proceed to Part 2.

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
☒ Treatment BMPs: ☐ Sediment basin with skimmer ☐ Sediment basin ratio of 4:1 or greater (flow length to basin width) ☐ Sediment basin with 4-7 day detention ☐ Flocculants ☒ Compost Filter Socks ☒ Compost Filter Sock Sediment Basin ☒ RCE w/ Wash Rack ☒ Land disposal: ☐ Vegetated filters ☐ Riparian buffers <150ft. ☐ Riparian Forest Buffer <150ft. ☒ Immediate stabilization ☒ Pollution prevention: ☒ PPC Plans ☒ Street sweeping ☒ Channels, collectors and diversions lined with permanent vegetation, rock, geotextile or other non-erosive materials ☐ Stormwater reuse technologies: ☐ Sediment basin water for dust control ☐ Sediment basin water for irrigation ☐ Other _____	☒ Treatment BMPs: ☒ Infiltration Practices ☐ Wet ponds ☐ Created wetland treatment systems ☒ Vegetated swales ☐ Manufactured devices ☒ Bio-retention/infiltration ☐ Green Roofs ☐ Land disposal: ☐ Vegetated filters ☐ Riparian Buffers <150ft. ☐ Riparian Forest Buffer <150ft. ☐ Disconnection of roof drainage ☐ Bio-retention/bio-infiltration ☒ Pollution prevention: ☐ Street sweeping ☐ Nutrient, pesticide, herbicide or other chemical application plan alternatives ☒ PPC Plans ☒ Non-structural Practices ☒ Restoration BMPs ☐ Stormwater reuse technologies: ☐ Divert rainwater into impoundment ☐ Underground storage ☐ Spray/Drip Irrigation ☐ Other _____
Are the ABACT BMPs selected sufficient to minimize E&S discharges to the extent that existing or designated surface water uses are protected? ☒ Yes ☐ No If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.	Are the ABACT BMPs selected sufficient to achieve no net change and assure that existing or designated surface water uses are protected? ☒ Yes ☐ No If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.

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
_____ 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					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



March 31, 2021

UPS TRACKING (1Z8797VV039228823)

Laflin Borough Supervisors
Laflin Borough Municipal Building
47 Laflin 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
Laflin 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 plans.

Sincerely,

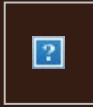


Ryan J. Nelson, PWS
WHM Consulting, LLC

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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Address	City	State	ZIP Code
Email Address			

SECTION C. SITE INFORMATION					
Is there an existing ESCGP associated with this site? ☐ Yes ☒ No If yes, Permit No. _____					
Has a well permit application been submitted for this site? ☐ Yes ☒ No If yes, Permit No. _____					
Does this site have a 911 address? ☐ Yes ☒ 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 ☐	Boro ☒	Twp. ☒
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?				☒ Yes ☐ No	
2. Will the project in which the well pad will be constructed be in or on a floodplain?				☐ Yes ☒ 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?				☐ Yes ☒ 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?				☒ Yes ☐ No	
5. Do any unresolved non-compliance issues exist with the applicant or the facility?				☐ Yes ☒ No	
6. Is the project a transmission project?				☒ Yes ☐ No	

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.	
II. Expedited Review Process	
1. Is the technically and administratively complete and accurate NOI package prepared and certified by a licensed professional?	☐ Yes ☐ 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>	☐ Yes ☐ 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?	☐ Yes ☐ 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?	☐ Yes ☐ 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)	☐ Yes ☐ 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)	☐ Yes ☐ No
4. If applicable, have you included PNDI clearance letters or other documentation from applicable resource agencies?	☐ Yes ☐ 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? ☐ Yes ☐ No	☐ Yes ☐ 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 (for permit modification only)																	
Fee: (For additional information regarding fees, refer to NOI Instructions #3 Permit NOI Filing Fees.)			\$ \$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>☐ Oil/Gas Well ¹</td> <td>☒ Transmission Facility</td> </tr> <tr> <td>☐ Gathering Facility</td> <td>☐ Processing Facility</td> </tr> <tr> <td>☐ Treatment Facility</td> <td>☐ Well Development Impoundment</td> </tr> <tr> <td>☒ Compressor Station</td> <td>☐ Non-FERC regulated Transmission Facility</td> </tr> <tr> <td>☒ Pipeline</td> <td>☐ Ground/Surface Water Withdrawal Site</td> </tr> <tr> <td>☐ Storage Field Facility</td> <td></td> </tr> <tr> <td>☐ Other</td> <td></td> </tr> </table>				☐ Oil/Gas Well ¹	☒ Transmission Facility	☐ Gathering Facility	☐ Processing Facility	☐ Treatment Facility	☐ Well Development Impoundment	☒ Compressor Station	☐ Non-FERC regulated Transmission Facility	☒ Pipeline	☐ Ground/Surface Water Withdrawal Site	☐ Storage Field Facility		☐ Other	
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☐ Treatment Facility	☐ Well Development Impoundment																
☒ Compressor Station	☐ Non-FERC regulated Transmission Facility																
☒ Pipeline	☐ Ground/Surface Water Withdrawal Site																
☐ Storage Field Facility																	
☐ Other																	
¹ If Oil/Gas Well; is the well conventional or unconventional? ☐ Conventional ☐ 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: ☐ GPS ☒ Interpolated from U.S.G.S. Topographic Map ☐ 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? ☐ Yes ☒ No If Yes, Include Master Site Plan Estimated Timetable for Phased Projects. ☐ 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? ☐ Yes ☒ 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 ☒ No ☐ <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 ☒ No ☐ (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 ☒ No ☐ 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 ☒ No ☐ <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 ☒ No ☐ <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 ☒ No ☐					
15. Have existing and/or proposed Riparian Forest Buffers been identified? Yes ☒ N/A ☐ <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 ☒ No ☐ N/A ☐ <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 <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>	Chapter 93, Designated Use Stream Classification ☒ HQ ☒ EV ☒ Other <u>CWF, MF, WWF</u> ☒ Siltation-impaired	Chapter 93, Existing Use Stream Classification ☐ HQ ☒ EV ☒ Other <u>MF</u> ☐ Siltation-impaired
	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired

	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired ☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired ☐ HQ ☐ EV ☐ Other _____ ☐ 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		☐	☐
Stage 2		☐	☐
Stage 3		☐	☐
Stage 4		☐	☐

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☒ Other <u>Vegetated Swale</u>	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	 <u>1,009cf(2-yr):</u> <u>4,264cf(100-yr)</u>	 <u>0.49</u>

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

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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 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 <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: 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☒ Infiltration Bed ☐ Infiltration Basin ☐ Rain Garden/ Bioretention ☐ Infiltration Berm ☐ Vegetated Swale	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ <u>2,265cf(2-yr);</u> <u>5,881cf(100-yr)</u>	_____ <u>0.21</u>
Natural Area Conservation ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____

☐ Roadside Vegetated Filter Strips		☐ VC ☐ RC ☐ WQ	_____	_____
Stormwater Energy Dissipaters	Infiltration/Recharge			
☐ Level Spreaders		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Riprap Aprons		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Upslope Diversions		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Other _____		☐ VC ☐ RC ☐ 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☒ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ 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 ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☐ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	_____ _____ _____ _____ <u>3,790cf(2-yr);</u> <u>11,631cf(100-yr)</u>	_____ _____ _____ _____ <u>0.56</u>
Natural Area Conservation ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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 <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: 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☐ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	_____ _____ _____ _____ <u>31,799cf(2-yr):</u> <u>96,268cf(100-yr)</u>	_____ _____ _____ _____ <u>3.83</u>
Natural Area Conservation ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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
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) See Section 2 of this ESCGP-3 Application	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) See Section 3 of this ESCGP-3 Application
Nondischarge BMPs ☐ Alternative Siting ☐ Alternative location ☐ Alternative configuration ☐ Alternative location of discharge ☒ Limited Disturbed Area ☐ Limiting Extent & Duration of Disturbance (Phasing, Sequencing) ☐ Riparian Buffers (150 ft. min.) ☐ Riparian Forest Buffer (150 ft. min.) ☐ Other _____	Nondischarge BMPs ☐ Alternative Siting ☐ Alternative location ☐ Alternative configuration ☐ Alternative location of discharge ☐ Low Impact Development (LID / BSD) ☐ Riparian Buffers (150 ft. min.) ☐ Riparian Forest Buffer (150 ft. min.) ☒ Infiltration ☐ Water Reuse ☐ Other _____
Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality during construction? ☐ Yes ☒ No If yes, antidegradation analysis is complete. If no, proceed to Part 2.	Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality after construction? ☐ Yes ☒ No If yes, antidegradation analysis is complete. If no, proceed to Part 2.

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
☒ Treatment BMPs: ☐ Sediment basin with skimmer ☐ Sediment basin ratio of 4:1 or greater (flow length to basin width) ☐ Sediment basin with 4-7 day detention ☐ Flocculants ☒ Compost Filter Socks ☒ Compost Filter Sock Sediment Basin ☒ RCE w/ Wash Rack ☒ Land disposal: ☐ Vegetated filters ☐ Riparian buffers <150ft. ☐ Riparian Forest Buffer <150ft. ☒ Immediate stabilization ☒ Pollution prevention: ☒ PPC Plans ☒ Street sweeping ☒ Channels, collectors and diversions lined with permanent vegetation, rock, geotextile or other non-erosive materials ☐ Stormwater reuse technologies: ☐ Sediment basin water for dust control ☐ Sediment basin water for irrigation ☐ Other _____	☒ Treatment BMPs: ☒ Infiltration Practices ☐ Wet ponds ☐ Created wetland treatment systems ☒ Vegetated swales ☐ Manufactured devices ☒ Bio-retention/infiltration ☐ Green Roofs ☐ Land disposal: ☐ Vegetated filters ☐ Riparian Buffers <150ft. ☐ Riparian Forest Buffer <150ft. ☐ Disconnection of roof drainage ☐ Bio-retention/bio-infiltration ☒ Pollution prevention: ☐ Street sweeping ☐ Nutrient, pesticide, herbicide or other chemical application plan alternatives ☒ PPC Plans ☒ Non-structural Practices ☒ Restoration BMPs ☐ Stormwater reuse technologies: ☐ Divert rainwater into impoundment ☐ Underground storage ☐ Spray/Drip Irrigation ☐ Other _____
Are the ABACT BMPs selected sufficient to minimize E&S discharges to the extent that existing or designated surface water uses are protected? ☒ Yes ☐ No If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.	Are the ABACT BMPs selected sufficient to achieve no net change and assure that existing or designated surface water uses are protected? ☒ Yes ☐ No If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.

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 _____

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					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



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,

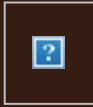


Ryan J. Nelson, PWS
WHM Consulting, LLC

Enclosures:

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

From: [UPS](#)
To: SFOX@WHMGROUP.COM
Subject: UPS Delivery Notification, Tracking Number 1Z8797VV0391946506
Date: Thursday, April 1, 2021 12:15:07 PM



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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? ☐ Yes ☒ No If yes, Permit No. _____					
Has a well permit application been submitted for this site? ☐ Yes ☒ No If yes, Permit No. _____					
Does this site have a 911 address? ☐ Yes ☒ 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 ☐	Boro ☒	Twp. ☒
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?			☒ Yes ☐ No		
2. Will the project in which the well pad will be constructed be in or on a floodplain?			☐ Yes ☒ 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?			☐ Yes ☒ 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?			☒ Yes ☐ No		
5. Do any unresolved non-compliance issues exist with the applicant or the facility?			☐ Yes ☒ No		
6. Is the project a transmission project?			☒ Yes ☐ No		

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.	
II. Expedited Review Process	
1. Is the technically and administratively complete and accurate NOI package prepared and certified by a licensed professional?	☐ Yes ☐ 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>	☐ Yes ☐ 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?	☐ Yes ☐ 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?	☐ Yes ☐ 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)	☐ Yes ☐ 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)	☐ Yes ☐ No
4. If applicable, have you included PNDI clearance letters or other documentation from applicable resource agencies?	☐ Yes ☐ 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? ☐ Yes ☐ No	☐ Yes ☐ 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 (for permit modification only)																	
Fee: (For additional information regarding fees, refer to NOI Instructions #3 Permit NOI Filing Fees.)			\$ \$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>☐ Oil/Gas Well ¹</td> <td>☒ Transmission Facility</td> </tr> <tr> <td>☐ Gathering Facility</td> <td>☐ Processing Facility</td> </tr> <tr> <td>☐ Treatment Facility</td> <td>☐ Well Development Impoundment</td> </tr> <tr> <td>☒ Compressor Station</td> <td>☐ Non-FERC regulated Transmission Facility</td> </tr> <tr> <td>☒ Pipeline</td> <td>☐ Ground/Surface Water Withdrawal Site</td> </tr> <tr> <td>☐ Storage Field Facility</td> <td></td> </tr> <tr> <td>☐ Other</td> <td></td> </tr> </table>				☐ Oil/Gas Well ¹	☒ Transmission Facility	☐ Gathering Facility	☐ Processing Facility	☐ Treatment Facility	☐ Well Development Impoundment	☒ Compressor Station	☐ Non-FERC regulated Transmission Facility	☒ Pipeline	☐ Ground/Surface Water Withdrawal Site	☐ Storage Field Facility		☐ Other	
☐ Oil/Gas Well ¹	☒ Transmission Facility																
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☒ Pipeline	☐ Ground/Surface Water Withdrawal Site																
☐ Storage Field Facility																	
☐ Other																	
¹ If Oil/Gas Well; is the well conventional or unconventional? ☐ Conventional ☐ 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: ☐ GPS ☒ Interpolated from U.S.G.S. Topographic Map ☐ 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? ☐ Yes ☒ No If Yes, Include Master Site Plan Estimated Timetable for Phased Projects. ☐ 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? ☐ Yes ☒ 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 ☒ No ☐ <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 ☒ No ☐ (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 ☒ No ☐ 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 ☒ No ☐ <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 ☒ No ☐ <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 ☒ No ☐					
15. Have existing and/or proposed Riparian Forest Buffers been identified? Yes ☒ N/A ☐ <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 ☒ No ☐ N/A ☐ <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 <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>	Chapter 93, Designated Use Stream Classification ☒ HQ ☒ EV ☒ Other <u>CWF, MF, WWF</u> ☒ Siltation-impaired	
	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired	Chapter 93, Existing Use Stream Classification ☐ HQ ☒ EV ☒ Other <u>MF</u> ☐ Siltation-impaired
		☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired

	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired ☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired ☐ HQ ☐ EV ☐ Other _____ ☐ 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		☐	☐
Stage 2		☐	☐
Stage 3		☐	☐
Stage 4		☐	☐

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☒ Other <u>Vegetated Swale</u>	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	 <u>1,009cf(2-yr):</u> <u>4,264cf(100-yr)</u>	 <u>0.49</u>

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

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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 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
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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 <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: 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☒ Infiltration Bed ☐ Infiltration Basin ☐ Rain Garden/ Bioretention ☐ Infiltration Berm ☐ Vegetated Swale	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ <u>2,265cf(2-yr);</u> <u>5,881cf(100-yr)</u>	_____ <u>0.21</u>
Natural Area Conservation ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____

☐ Roadside Vegetated Filter Strips		☐ VC ☐ RC ☐ WQ	_____	_____
Stormwater Energy Dissipaters	Infiltration/Recharge			
☐ Level Spreaders		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Riprap Aprons		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Upslope Diversions		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Other _____		☐ VC ☐ RC ☐ 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.

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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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☒ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ 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 ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	 	
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	 	
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	 	
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	 	

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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.

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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.

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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.

- 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
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) See Section 2 of this ESCGP-3 Application	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) See Section 3 of this ESCGP-3 Application
Nondischarge BMPs ☐ Alternative Siting ☐ Alternative location ☐ Alternative configuration ☐ Alternative location of discharge ☒ Limited Disturbed Area ☐ Limiting Extent & Duration of Disturbance (Phasing, Sequencing) ☐ Riparian Buffers (150 ft. min.) ☐ Riparian Forest Buffer (150 ft. min.) ☐ Other _____	Nondischarge BMPs ☐ Alternative Siting ☐ Alternative location ☐ Alternative configuration ☐ Alternative location of discharge ☐ Low Impact Development (LID / BSD) ☐ Riparian Buffers (150 ft. min.) ☐ Riparian Forest Buffer (150 ft. min.) ☒ Infiltration ☐ Water Reuse ☐ Other _____
Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality during construction? ☐ Yes ☒ No If yes, antidegradation analysis is complete. If no, proceed to Part 2.	Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality after construction? ☐ Yes ☒ No If yes, antidegradation analysis is complete. If no, proceed to Part 2.

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
☒ Treatment BMPs: ☐ Sediment basin with skimmer ☐ Sediment basin ratio of 4:1 or greater (flow length to basin width) ☐ Sediment basin with 4-7 day detention ☐ Flocculants ☒ Compost Filter Socks ☒ Compost Filter Sock Sediment Basin ☒ RCE w/ Wash Rack ☒ Land disposal: ☐ Vegetated filters ☐ Riparian buffers <150ft. ☐ Riparian Forest Buffer <150ft. ☒ Immediate stabilization ☒ Pollution prevention: ☒ PPC Plans ☒ Street sweeping ☒ Channels, collectors and diversions lined with permanent vegetation, rock, geotextile or other non-erosive materials ☐ Stormwater reuse technologies: ☐ Sediment basin water for dust control ☐ Sediment basin water for irrigation ☐ Other _____	☒ Treatment BMPs: ☒ Infiltration Practices ☐ Wet ponds ☐ Created wetland treatment systems ☒ Vegetated swales ☐ Manufactured devices ☒ Bio-retention/infiltration ☐ Green Roofs ☐ Land disposal: ☐ Vegetated filters ☐ Riparian Buffers <150ft. ☐ Riparian Forest Buffer <150ft. ☐ Disconnection of roof drainage ☐ Bio-retention/bio-infiltration ☒ Pollution prevention: ☐ Street sweeping ☐ Nutrient, pesticide, herbicide or other chemical application plan alternatives ☒ PPC Plans ☒ Non-structural Practices ☒ Restoration BMPs ☐ Stormwater reuse technologies: ☐ Divert rainwater into impoundment ☐ Underground storage ☐ Spray/Drip Irrigation ☐ Other _____
Are the ABACT BMPs selected sufficient to minimize E&S discharges to the extent that existing or designated surface water uses are protected? ☒ Yes ☐ No If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.	Are the ABACT BMPs selected sufficient to achieve no net change and assure that existing or designated surface water uses are protected? ☒ Yes ☐ No If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.

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	
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					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



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,

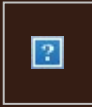


Ryan J. Nelson, PWS
WHM Consulting, LLC

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



Hello, your package has been delivered.

Delivery Date: Thursday, 04/01/2021

Delivery Time: 04:24 PM

Left At: RECEIVER

Signed by: NEISHEL

WHM CONSULTING, INC

Tracking Number:	1Z8797VV0394143878
Ship To:	PLAINS TOWNSHIP SUPERVISORS 126 NORTH MAIN STREET PLAINS, PA 18705 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? ☐ Yes ☒ No If yes, Permit No. _____					
Has a well permit application been submitted for this site? ☐ Yes ☒ No If yes, Permit No. _____					
Does this site have a 911 address? ☐ Yes ☒ 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 ☐	Boro ☒	Twp. ☒
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?			☒ Yes ☐ No		
2. Will the project in which the well pad will be constructed be in or on a floodplain?			☐ Yes ☒ 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?			☐ Yes ☒ 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?			☒ Yes ☐ No		
5. Do any unresolved non-compliance issues exist with the applicant or the facility?			☐ Yes ☒ No		
6. Is the project a transmission project?			☒ Yes ☐ No		

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.	
II. Expedited Review Process	
1. Is the technically and administratively complete and accurate NOI package prepared and certified by a licensed professional?	☐ Yes ☐ 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>	☐ Yes ☐ 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?	☐ Yes ☐ 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?	☐ Yes ☐ 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)	☐ Yes ☐ 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)	☐ Yes ☐ No
4. If applicable, have you included PNDI clearance letters or other documentation from applicable resource agencies?	☐ Yes ☐ 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? ☐ Yes ☐ No	☐ Yes ☐ 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 (for permit modification only)																	
Fee: (For additional information regarding fees, refer to NOI Instructions #3 Permit NOI Filing Fees.)			\$ \$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>☐ Oil/Gas Well ¹</td> <td>☒ Transmission Facility</td> </tr> <tr> <td>☐ Gathering Facility</td> <td>☐ Processing Facility</td> </tr> <tr> <td>☐ Treatment Facility</td> <td>☐ Well Development Impoundment</td> </tr> <tr> <td>☒ Compressor Station</td> <td>☐ Non-FERC regulated Transmission Facility</td> </tr> <tr> <td>☒ Pipeline</td> <td>☐ Ground/Surface Water Withdrawal Site</td> </tr> <tr> <td>☐ Storage Field Facility</td> <td></td> </tr> <tr> <td>☐ Other</td> <td></td> </tr> </table>				☐ Oil/Gas Well ¹	☒ Transmission Facility	☐ Gathering Facility	☐ Processing Facility	☐ Treatment Facility	☐ Well Development Impoundment	☒ Compressor Station	☐ Non-FERC regulated Transmission Facility	☒ Pipeline	☐ Ground/Surface Water Withdrawal Site	☐ Storage Field Facility		☐ Other	
☐ Oil/Gas Well ¹	☒ Transmission Facility																
☐ Gathering Facility	☐ Processing Facility																
☐ Treatment Facility	☐ Well Development Impoundment																
☒ Compressor Station	☐ Non-FERC regulated Transmission Facility																
☒ Pipeline	☐ Ground/Surface Water Withdrawal Site																
☐ Storage Field Facility																	
☐ Other																	
¹ If Oil/Gas Well; is the well conventional or unconventional? ☐ Conventional ☐ 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: ☐ GPS ☒ Interpolated from U.S.G.S. Topographic Map ☐ 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? ☐ Yes ☒ No If Yes, Include Master Site Plan Estimated Timetable for Phased Projects. ☐ 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 pollutorial substances other than sediment? ☐ Yes ☒ 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 ☒ No ☐ <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 ☒ No ☐ (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 ☒ No ☐ 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 ☒ No ☐ <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 ☒ No ☐ <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 ☒ No ☐					
15. Have existing and/or proposed Riparian Forest Buffers been identified? Yes ☒ N/A ☐ <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 ☒ No ☐ N/A ☐ <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 <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>	Chapter 93, Designated Use Stream Classification ☒ HQ ☒ EV ☒ Other <u>CWF, MF, WWF</u> ☒ Siltation-impaired ☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired	Chapter 93, Existing Use Stream Classification ☐ HQ ☒ EV ☒ Other <u>MF</u> ☐ Siltation-impaired ☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired

	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired ☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired ☐ HQ ☐ EV ☐ Other _____ ☐ 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		☐	☐
Stage 2		☐	☐
Stage 3		☐	☐
Stage 4		☐	☐

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☒ Other <u>Vegetated Swale</u>	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	 <u>1,009cf(2-yr):</u> <u>4,264cf(100-yr)</u>	 <u>0.49</u>
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

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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 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 (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-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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☒ Infiltration Bed ☐ Infiltration Basin ☐ Rain Garden/ Bioretention ☐ Infiltration Berm ☐ Vegetated Swale	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ <u>2,265cf(2-yr);</u> <u>5,881cf(100-yr)</u>	_____ <u>0.21</u>
Natural Area Conservation ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____

☐ Roadside Vegetated Filter Strips		☐ VC ☐ RC ☐ WQ	_____	_____
Stormwater Energy Dissipaters	Infiltration/Recharge			
☐ Level Spreaders		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Riprap Aprons		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Upslope Diversions		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Other _____		☐ VC ☐ RC ☐ 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
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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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☒ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ 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 ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☐ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	_____ _____ _____ _____ <u>3,790cf(2-yr);</u> <u>11,631cf(100-yr)</u>	_____ _____ _____ _____ <u>0.56</u>
Natural Area Conservation ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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 <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: 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☐ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	_____ _____ _____ _____ <u>31,799cf(2-yr):</u> <u>96,268cf(100-yr)</u>	_____ _____ _____ _____ <u>3.83</u>
Natural Area Conservation ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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.

- 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
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) See Section 2 of this ESCGP-3 Application	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) See Section 3 of this ESCGP-3 Application
Nondischarge BMPs ☐ Alternative Siting ☐ Alternative location ☐ Alternative configuration ☐ Alternative location of discharge ☒ Limited Disturbed Area ☐ Limiting Extent & Duration of Disturbance (Phasing, Sequencing) ☐ Riparian Buffers (150 ft. min.) ☐ Riparian Forest Buffer (150 ft. min.) ☐ Other _____	Nondischarge BMPs ☐ Alternative Siting ☐ Alternative location ☐ Alternative configuration ☐ Alternative location of discharge ☐ Low Impact Development (LID / BSD) ☐ Riparian Buffers (150 ft. min.) ☐ Riparian Forest Buffer (150 ft. min.) ☒ Infiltration ☐ Water Reuse ☐ Other _____
Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality during construction? ☐ Yes ☒ No If yes, antidegradation analysis is complete. If no, proceed to Part 2.	Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality after construction? ☐ Yes ☒ No If yes, antidegradation analysis is complete. If no, proceed to Part 2.

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
☒ Treatment BMPs: ☐ Sediment basin with skimmer ☐ Sediment basin ratio of 4:1 or greater (flow length to basin width) ☐ Sediment basin with 4-7 day detention ☐ Flocculants ☒ Compost Filter Socks ☒ Compost Filter Sock Sediment Basin ☒ RCE w/ Wash Rack ☒ Land disposal: ☐ Vegetated filters ☐ Riparian buffers <150ft. ☐ Riparian Forest Buffer <150ft. ☒ Immediate stabilization ☒ Pollution prevention: ☒ PPC Plans ☒ Street sweeping ☒ Channels, collectors and diversions lined with permanent vegetation, rock, geotextile or other non-erosive materials ☐ Stormwater reuse technologies: ☐ Sediment basin water for dust control ☐ Sediment basin water for irrigation ☐ Other _____	☒ Treatment BMPs: ☒ Infiltration Practices ☐ Wet ponds ☐ Created wetland treatment systems ☒ Vegetated swales ☐ Manufactured devices ☒ Bio-retention/infiltration ☐ Green Roofs ☐ Land disposal: ☐ Vegetated filters ☐ Riparian Buffers <150ft. ☐ Riparian Forest Buffer <150ft. ☐ Disconnection of roof drainage ☐ Bio-retention/bio-infiltration ☒ Pollution prevention: ☐ Street sweeping ☐ Nutrient, pesticide, herbicide or other chemical application plan alternatives ☒ PPC Plans ☒ Non-structural Practices ☒ Restoration BMPs ☐ Stormwater reuse technologies: ☐ Divert rainwater into impoundment ☐ Underground storage ☐ Spray/Drip Irrigation ☐ Other _____
Are the ABACT BMPs selected sufficient to minimize E&S discharges to the extent that existing or designated surface water uses are protected? ☒ Yes ☐ No If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.	Are the ABACT BMPs selected sufficient to achieve no net change and assure that existing or designated surface water uses are protected? ☒ Yes ☐ No If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.

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
_____ 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					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



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,

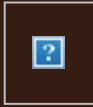


Ryan J. Nelson, PWS
WHM Consulting, LLC

Enclosures:

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

From: [UPS](#)
To: SFOX@WHMGROUP.COM
Subject: UPS Delivery Notification, Tracking Number 1Z8797VV0394733212
Date: Thursday, April 1, 2021 11:16:31 AM



Hello, your package has been delivered.

Delivery Date: Thursday, 04/01/2021

Delivery Time: 11:15 AM

Left At: OTHER-RELEAS

Signed by: SMUTKO

WHM CONSULTING, INC

Tracking Number:	1Z8797VV0394733212
Ship To:	WEST WYOMING BORO SUPERVISORS 464 WEST 8TH STREET WEST WYOMING, PA 18644 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? ☐ Yes ☒ No If yes, Permit No. _____					
Has a well permit application been submitted for this site? ☐ Yes ☒ No If yes, Permit No. _____					
Does this site have a 911 address? ☐ Yes ☒ 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 ☐	Boro ☒	Twp. ☒
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?			☒ Yes ☐ No		
2. Will the project in which the well pad will be constructed be in or on a floodplain?			☐ Yes ☒ 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?			☐ Yes ☒ 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?			☒ Yes ☐ No		
5. Do any unresolved non-compliance issues exist with the applicant or the facility?			☐ Yes ☒ No		
6. Is the project a transmission project?			☒ Yes ☐ No		

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.	
II. Expedited Review Process	
1. Is the technically and administratively complete and accurate NOI package prepared and certified by a licensed professional?	☐ Yes ☐ 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>	☐ Yes ☐ 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?	☐ Yes ☐ 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?	☐ Yes ☐ 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)	☐ Yes ☐ 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)	☐ Yes ☐ No
4. If applicable, have you included PNDI clearance letters or other documentation from applicable resource agencies?	☐ Yes ☐ 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? ☐ Yes ☐ No	☐ Yes ☐ 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 (for permit modification only)																	
Fee: (For additional information regarding fees, refer to NOI Instructions #3 Permit NOI Filing Fees.)			\$ \$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>☐ Oil/Gas Well ¹</td> <td>☒ Transmission Facility</td> </tr> <tr> <td>☐ Gathering Facility</td> <td>☐ Processing Facility</td> </tr> <tr> <td>☐ Treatment Facility</td> <td>☐ Well Development Impoundment</td> </tr> <tr> <td>☒ Compressor Station</td> <td>☐ Non-FERC regulated Transmission Facility</td> </tr> <tr> <td>☒ Pipeline</td> <td>☐ Ground/Surface Water Withdrawal Site</td> </tr> <tr> <td>☐ Storage Field Facility</td> <td></td> </tr> <tr> <td>☐ Other</td> <td></td> </tr> </table>				☐ Oil/Gas Well ¹	☒ Transmission Facility	☐ Gathering Facility	☐ Processing Facility	☐ Treatment Facility	☐ Well Development Impoundment	☒ Compressor Station	☐ Non-FERC regulated Transmission Facility	☒ Pipeline	☐ Ground/Surface Water Withdrawal Site	☐ Storage Field Facility		☐ Other	
☐ Oil/Gas Well ¹	☒ Transmission Facility																
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☒ Compressor Station	☐ Non-FERC regulated Transmission Facility																
☒ Pipeline	☐ Ground/Surface Water Withdrawal Site																
☐ Storage Field Facility																	
☐ Other																	
¹ If Oil/Gas Well; is the well conventional or unconventional? ☐ Conventional ☐ 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: ☐ GPS ☒ Interpolated from U.S.G.S. Topographic Map ☐ 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? ☐ Yes ☒ No If Yes, Include Master Site Plan Estimated Timetable for Phased Projects. ☐ 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? ☐ Yes ☒ 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 ☒ No ☐ <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 ☒ No ☐ (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 ☒ No ☐ 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 ☒ No ☐ <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 ☒ No ☐ <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 ☒ No ☐					
15. Have existing and/or proposed Riparian Forest Buffers been identified? Yes ☒ N/A ☐ <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 ☒ No ☐ N/A ☐ <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 <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>	Chapter 93, Designated Use Stream Classification ☒ HQ ☒ EV ☒ Other <u>CWF, MF, WWF</u> ☒ Siltation-impaired	Chapter 93, Existing Use Stream Classification ☐ HQ ☒ EV ☒ Other <u>MF</u> ☐ Siltation-impaired
	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired

	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired ☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired ☐ HQ ☐ EV ☐ Other _____ ☐ 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		☐	☐
Stage 2		☐	☐
Stage 3		☐	☐
Stage 4		☐	☐

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☒ Other <u>Vegetated Swale</u>	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	 <u>1,009cf(2-yr):</u> <u>4,264cf(100-yr)</u>	 <u>0.49</u>

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

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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 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 <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: 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☒ Infiltration Bed ☐ Infiltration Basin ☐ Rain Garden/ Bioretention ☐ Infiltration Berm ☐ Vegetated Swale	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ <u>2,265cf(2-yr);</u> <u>5,881cf(100-yr)</u>	_____ <u>0.21</u>
Natural Area Conservation ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____

☐ Roadside Vegetated Filter Strips		☐ VC ☐ RC ☐ WQ	_____	_____
Stormwater Energy Dissipaters	Infiltration/Recharge			
☐ Level Spreaders		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Riprap Aprons		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Upslope Diversions		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Other _____		☐ VC ☐ RC ☐ 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☒ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ 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 ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☐ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	_____ _____ _____ _____ <u>3,790cf(2-yr);</u> <u>11,631cf(100-yr)</u>	_____ _____ _____ _____ <u>0.56</u>
Natural Area Conservation ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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 <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: 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☐ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	_____ _____ _____ _____ <u>31,799cf(2-yr):</u> <u>96,268cf(100-yr)</u>	_____ _____ _____ _____ <u>3.83</u>
Natural Area Conservation ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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.

- 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
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) See Section 2 of this ESCGP-3 Application	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) See Section 3 of this ESCGP-3 Application
Nondischarge BMPs ☐ Alternative Siting ☐ Alternative location ☐ Alternative configuration ☐ Alternative location of discharge ☒ Limited Disturbed Area ☐ Limiting Extent & Duration of Disturbance (Phasing, Sequencing) ☐ Riparian Buffers (150 ft. min.) ☐ Riparian Forest Buffer (150 ft. min.) ☐ Other _____	Nondischarge BMPs ☐ Alternative Siting ☐ Alternative location ☐ Alternative configuration ☐ Alternative location of discharge ☐ Low Impact Development (LID / BSD) ☐ Riparian Buffers (150 ft. min.) ☐ Riparian Forest Buffer (150 ft. min.) ☒ Infiltration ☐ Water Reuse ☐ Other _____
Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality during construction? ☐ Yes ☒ No If yes, antidegradation analysis is complete. If no, proceed to Part 2.	Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality after construction? ☐ Yes ☒ No If yes, antidegradation analysis is complete. If no, proceed to Part 2.

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
☒ Treatment BMPs: ☐ Sediment basin with skimmer ☐ Sediment basin ratio of 4:1 or greater (flow length to basin width) ☐ Sediment basin with 4-7 day detention ☐ Flocculants ☒ Compost Filter Socks ☒ Compost Filter Sock Sediment Basin ☒ RCE w/ Wash Rack ☒ Land disposal: ☐ Vegetated filters ☐ Riparian buffers <150ft. ☐ Riparian Forest Buffer <150ft. ☒ Immediate stabilization ☒ Pollution prevention: ☒ PPC Plans ☒ Street sweeping ☒ Channels, collectors and diversions lined with permanent vegetation, rock, geotextile or other non-erosive materials ☐ Stormwater reuse technologies: ☐ Sediment basin water for dust control ☐ Sediment basin water for irrigation ☐ Other _____	☒ Treatment BMPs: ☒ Infiltration Practices ☐ Wet ponds ☐ Created wetland treatment systems ☒ Vegetated swales ☐ Manufactured devices ☒ Bio-retention/infiltration ☐ Green Roofs ☐ Land disposal: ☐ Vegetated filters ☐ Riparian Buffers <150ft. ☐ Riparian Forest Buffer <150ft. ☐ Disconnection of roof drainage ☐ Bio-retention/bio-infiltration ☒ Pollution prevention: ☐ Street sweeping ☐ Nutrient, pesticide, herbicide or other chemical application plan alternatives ☒ PPC Plans ☒ Non-structural Practices ☒ Restoration BMPs ☐ Stormwater reuse technologies: ☐ Divert rainwater into impoundment ☐ Underground storage ☐ Spray/Drip Irrigation ☐ Other _____
Are the ABACT BMPs selected sufficient to minimize E&S discharges to the extent that existing or designated surface water uses are protected? ☒ Yes ☐ No If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.	Are the ABACT BMPs selected sufficient to achieve no net change and assure that existing or designated surface water uses are protected? ☒ Yes ☐ No If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.

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					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



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,

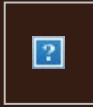


Ryan J. Nelson, PWS
WHM Consulting, LLC

Enclosures:

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

From: [UPS](#)
To: SFOX@WHMGROUP.COM
Subject: UPS Delivery Notification, Tracking Number 1Z8797VV0391482285
Date: Thursday, April 1, 2021 12:57:26 PM



Hello, your package has been delivered.

Delivery Date: Thursday, 04/01/2021

Delivery Time: 12:55 PM

Left At: SIDE DOOR



Set Delivery Instructions

Manage Preferences

View My Packages

WHM CONSULTING, INC

Tracking Number:	1Z8797VV0391482285
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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? ☐ Yes ☒ No If yes, Permit No. _____					
Has a well permit application been submitted for this site? ☐ Yes ☒ No If yes, Permit No. _____					
Does this site have a 911 address? ☐ Yes ☒ 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 ☐	Boro ☒	Twp. ☒
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?				☒ Yes ☐ No	
2. Will the project in which the well pad will be constructed be in or on a floodplain?				☐ Yes ☒ 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?				☐ Yes ☒ 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?				☒ Yes ☐ No	
5. Do any unresolved non-compliance issues exist with the applicant or the facility?				☐ Yes ☒ No	
6. Is the project a transmission project?				☒ Yes ☐ No	

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.	
II. Expedited Review Process	
1. Is the technically and administratively complete and accurate NOI package prepared and certified by a licensed professional?	☐ Yes ☐ 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>	☐ Yes ☐ 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?	☐ Yes ☐ 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?	☐ Yes ☐ 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)	☐ Yes ☐ 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)	☐ Yes ☐ No
4. If applicable, have you included PNDI clearance letters or other documentation from applicable resource agencies?	☐ Yes ☐ 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? ☐ Yes ☐ No	☐ Yes ☐ 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 (for permit modification only)																	
Fee: (For additional information regarding fees, refer to NOI Instructions #3 Permit NOI Filing Fees.)			\$ \$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>☐ Oil/Gas Well ¹</td> <td>☒ Transmission Facility</td> </tr> <tr> <td>☐ Gathering Facility</td> <td>☐ Processing Facility</td> </tr> <tr> <td>☐ Treatment Facility</td> <td>☐ Well Development Impoundment</td> </tr> <tr> <td>☒ Compressor Station</td> <td>☐ Non-FERC regulated Transmission Facility</td> </tr> <tr> <td>☒ Pipeline</td> <td>☐ Ground/Surface Water Withdrawal Site</td> </tr> <tr> <td>☐ Storage Field Facility</td> <td></td> </tr> <tr> <td>☐ Other</td> <td></td> </tr> </table>				☐ Oil/Gas Well ¹	☒ Transmission Facility	☐ Gathering Facility	☐ Processing Facility	☐ Treatment Facility	☐ Well Development Impoundment	☒ Compressor Station	☐ Non-FERC regulated Transmission Facility	☒ Pipeline	☐ Ground/Surface Water Withdrawal Site	☐ Storage Field Facility		☐ Other	
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☐ Storage Field Facility																	
☐ Other																	
¹ If Oil/Gas Well; is the well conventional or unconventional? ☐ Conventional ☐ 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: ☐ GPS ☒ Interpolated from U.S.G.S. Topographic Map ☐ 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? ☐ Yes ☒ No If Yes, Include Master Site Plan Estimated Timetable for Phased Projects. ☐ 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? ☐ Yes ☒ 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 ☒ No ☐ <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 ☒ No ☐ (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 ☒ No ☐ 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 ☒ No ☐ <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 ☒ No ☐ <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 ☒ No ☐					
15. Have existing and/or proposed Riparian Forest Buffers been identified? Yes ☒ N/A ☐ <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 ☒ No ☐ N/A ☐ <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 <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>	Chapter 93, Designated Use Stream Classification ☒ HQ ☒ EV ☒ Other <u>CWF, MF, WWF</u> ☒ Siltation-impaired ☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired	Chapter 93, Existing Use Stream Classification ☐ HQ ☒ EV ☒ Other <u>MF</u> ☐ Siltation-impaired ☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired

	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired ☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired ☐ HQ ☐ EV ☐ Other _____ ☐ 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		☐	☐
Stage 2		☐	☐
Stage 3		☐	☐
Stage 4		☐	☐

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☒ Other <u>Vegetated Swale</u>	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	 <u>1,009cf(2-yr):</u> <u>4,264cf(100-yr)</u>	 <u>0.49</u>
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
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TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - Carverton Tie-In

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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.

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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

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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 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
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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 <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: 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☒ Infiltration Bed ☐ Infiltration Basin ☐ Rain Garden/ Bioretention ☐ Infiltration Berm ☐ Vegetated Swale	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ <u>2,265cf(2-yr);</u> <u>5,881cf(100-yr)</u>	_____ <u>0.21</u>
Natural Area Conservation ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____

☐ Roadside Vegetated Filter Strips		☐ VC ☐ RC ☐ WQ	_____	_____
Stormwater Energy Dissipaters	Infiltration/Recharge			
☐ Level Spreaders		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Riprap Aprons		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Upslope Diversions		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Other _____		☐ VC ☐ RC ☐ 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☒ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ 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 ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☐ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	_____ _____ _____ _____ <u>3,790cf(2-yr);</u> <u>11,631cf(100-yr)</u>	_____ _____ _____ _____ <u>0.56</u>
Natural Area Conservation ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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.

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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.

- 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
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) See Section 2 of this ESCGP-3 Application	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) See Section 3 of this ESCGP-3 Application
Nondischarge BMPs ☐ Alternative Siting ☐ Alternative location ☐ Alternative configuration ☐ Alternative location of discharge ☒ Limited Disturbed Area ☐ Limiting Extent & Duration of Disturbance (Phasing, Sequencing) ☐ Riparian Buffers (150 ft. min.) ☐ Riparian Forest Buffer (150 ft. min.) ☐ Other _____	Nondischarge BMPs ☐ Alternative Siting ☐ Alternative location ☐ Alternative configuration ☐ Alternative location of discharge ☐ Low Impact Development (LID / BSD) ☐ Riparian Buffers (150 ft. min.) ☐ Riparian Forest Buffer (150 ft. min.) ☒ Infiltration ☐ Water Reuse ☐ Other _____
Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality during construction? ☐ Yes ☒ No If yes, antidegradation analysis is complete. If no, proceed to Part 2.	Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality after construction? ☐ Yes ☒ No If yes, antidegradation analysis is complete. If no, proceed to Part 2.

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
☒ Treatment BMPs: ☐ Sediment basin with skimmer ☐ Sediment basin ratio of 4:1 or greater (flow length to basin width) ☐ Sediment basin with 4-7 day detention ☐ Flocculants ☒ Compost Filter Socks ☒ Compost Filter Sock Sediment Basin ☒ RCE w/ Wash Rack ☒ Land disposal: ☐ Vegetated filters ☐ Riparian buffers <150ft. ☐ Riparian Forest Buffer <150ft. ☒ Immediate stabilization ☒ Pollution prevention: ☒ PPC Plans ☒ Street sweeping ☒ Channels, collectors and diversions lined with permanent vegetation, rock, geotextile or other non-erosive materials ☐ Stormwater reuse technologies: ☐ Sediment basin water for dust control ☐ Sediment basin water for irrigation ☐ Other _____	☒ Treatment BMPs: ☒ Infiltration Practices ☐ Wet ponds ☐ Created wetland treatment systems ☒ Vegetated swales ☐ Manufactured devices ☒ Bio-retention/infiltration ☐ Green Roofs ☐ Land disposal: ☐ Vegetated filters ☐ Riparian Buffers <150ft. ☐ Riparian Forest Buffer <150ft. ☐ Disconnection of roof drainage ☐ Bio-retention/bio-infiltration ☒ Pollution prevention: ☐ Street sweeping ☐ Nutrient, pesticide, herbicide or other chemical application plan alternatives ☒ PPC Plans ☒ Non-structural Practices ☒ Restoration BMPs ☐ Stormwater reuse technologies: ☐ Divert rainwater into impoundment ☐ Underground storage ☐ Spray/Drip Irrigation ☐ Other _____
Are the ABACT BMPs selected sufficient to minimize E&S discharges to the extent that existing or designated surface water uses are protected? ☒ Yes ☐ No If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.	Are the ABACT BMPs selected sufficient to achieve no net change and assure that existing or designated surface water uses are protected? ☒ Yes ☐ No If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.

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 1.6.2
MONROE COUNTY
(EFFORT LOOP)



March 31, 2021

UPS TRACKING (1Z8797VV0394955385)

Chestnuthill Township
P.O. Box 243, 271 Route 715
Brodheadsville, 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 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 plan and post construction stormwater management plans.

Sincerely,

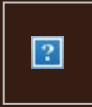
A handwritten signature in black ink, appearing to read 'Ryan J. Nelson', with a stylized flourish at the end.

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 1Z8797VV0394955385
Date: Thursday, April 1, 2021 2:17:29 PM



Hello, your package has been delivered.

Delivery Date: Thursday, 04/01/2021

Delivery Time: 02:16 PM

Left At: FRONT DESK

Signed by: GOODY

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



[Download the UPS mobile app](#)

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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? ☐ Yes ☒ No If yes, Permit No. _____					
Has a well permit application been submitted for this site? ☐ Yes ☒ No If yes, Permit No. _____					
Does this site have a 911 address? ☐ Yes ☒ 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 ☐	Boro ☒	Twp. ☒
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?			☒ Yes ☐ No		
2. Will the project in which the well pad will be constructed be in or on a floodplain?			☐ Yes ☒ 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?			☐ Yes ☒ 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?			☒ Yes ☐ No		
5. Do any unresolved non-compliance issues exist with the applicant or the facility?			☐ Yes ☒ No		
6. Is the project a transmission project?			☒ Yes ☐ No		

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.	
II. Expedited Review Process	
1. Is the technically and administratively complete and accurate NOI package prepared and certified by a licensed professional?	☐ Yes ☐ 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>	☐ Yes ☐ 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?	☐ Yes ☐ 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?	☐ Yes ☐ 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)	☐ Yes ☐ 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)	☐ Yes ☐ No
4. If applicable, have you included PNDI clearance letters or other documentation from applicable resource agencies?	☐ Yes ☐ 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? ☐ Yes ☐ No	☐ Yes ☐ 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 (for permit modification only)																	
Fee: (For additional information regarding fees, refer to NOI Instructions #3 Permit NOI Filing Fees.)			\$ \$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>☐ Oil/Gas Well ¹</td> <td>☒ Transmission Facility</td> </tr> <tr> <td>☐ Gathering Facility</td> <td>☐ Processing Facility</td> </tr> <tr> <td>☐ Treatment Facility</td> <td>☐ Well Development Impoundment</td> </tr> <tr> <td>☒ Compressor Station</td> <td>☐ Non-FERC regulated Transmission Facility</td> </tr> <tr> <td>☒ Pipeline</td> <td>☐ Ground/Surface Water Withdrawal Site</td> </tr> <tr> <td>☐ Storage Field Facility</td> <td></td> </tr> <tr> <td>☐ Other</td> <td></td> </tr> </table>				☐ Oil/Gas Well ¹	☒ Transmission Facility	☐ Gathering Facility	☐ Processing Facility	☐ Treatment Facility	☐ Well Development Impoundment	☒ Compressor Station	☐ Non-FERC regulated Transmission Facility	☒ Pipeline	☐ Ground/Surface Water Withdrawal Site	☐ Storage Field Facility		☐ Other	
☐ Oil/Gas Well ¹	☒ Transmission Facility																
☐ Gathering Facility	☐ Processing Facility																
☐ Treatment Facility	☐ Well Development Impoundment																
☒ Compressor Station	☐ Non-FERC regulated Transmission Facility																
☒ Pipeline	☐ Ground/Surface Water Withdrawal Site																
☐ Storage Field Facility																	
☐ Other																	
¹ If Oil/Gas Well; is the well conventional or unconventional? ☐ Conventional ☐ 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: ☐ GPS ☒ Interpolated from U.S.G.S. Topographic Map ☐ 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? ☐ Yes ☒ No If Yes, Include Master Site Plan Estimated Timetable for Phased Projects. ☐ 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? ☐ Yes ☒ 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 ☒ No ☐ <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 ☒ No ☐ (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 ☒ No ☐ 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 ☒ No ☐ <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 ☒ No ☐ <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 ☒ No ☐					
15. Have existing and/or proposed Riparian Forest Buffers been identified? Yes ☒ N/A ☐ <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 ☒ No ☐ N/A ☐ <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 <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>	Chapter 93, Designated Use Stream Classification ☒ HQ ☒ EV ☒ Other <u>CWF, MF, WWF</u> ☒ Siltation-impaired	Chapter 93, Existing Use Stream Classification ☐ HQ ☒ EV ☒ Other <u>MF</u> ☐ Siltation-impaired
	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired

	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired ☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired ☐ HQ ☐ EV ☐ Other _____ ☐ 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		☐	☐
Stage 2		☐	☐
Stage 3		☐	☐
Stage 4		☐	☐

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☒ Other <u>Vegetated Swale</u>	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	 <u>1,009cf(2-yr):</u> <u>4,264cf(100-yr)</u>	 <u>0.49</u>

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

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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 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
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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 <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: 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☒ Infiltration Bed ☐ Infiltration Basin ☐ Rain Garden/ Bioretention ☐ Infiltration Berm ☐ Vegetated Swale	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ <u>2,265cf(2-yr);</u> <u>5,881cf(100-yr)</u>	_____ <u>0.21</u>
Natural Area Conservation ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____

☐ Roadside Vegetated Filter Strips		☐ VC ☐ RC ☐ WQ	_____	_____
Stormwater Energy Dissipaters	Infiltration/Recharge			
☐ Level Spreaders		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Riprap Aprons		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Upslope Diversions		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Other _____		☐ VC ☐ RC ☐ 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☒ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ 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 ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☐ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	_____ _____ _____ _____ <u>3,790cf(2-yr);</u> <u>11,631cf(100-yr)</u>	_____ _____ _____ _____ <u>0.56</u>
Natural Area Conservation ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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 <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: 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☐ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	_____ _____ _____ _____ <u>31,799cf(2-yr):</u> <u>96,268cf(100-yr)</u>	_____ _____ _____ _____ <u>3.83</u>
Natural Area Conservation ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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.

- 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
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) See Section 2 of this ESCGP-3 Application	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) See Section 3 of this ESCGP-3 Application
Nondischarge BMPs ☐ Alternative Siting ☐ Alternative location ☐ Alternative configuration ☐ Alternative location of discharge ☒ Limited Disturbed Area ☐ Limiting Extent & Duration of Disturbance (Phasing, Sequencing) ☐ Riparian Buffers (150 ft. min.) ☐ Riparian Forest Buffer (150 ft. min.) ☐ Other _____	Nondischarge BMPs ☐ Alternative Siting ☐ Alternative location ☐ Alternative configuration ☐ Alternative location of discharge ☐ Low Impact Development (LID / BSD) ☐ Riparian Buffers (150 ft. min.) ☐ Riparian Forest Buffer (150 ft. min.) ☒ Infiltration ☐ Water Reuse ☐ Other _____
Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality during construction? ☐ Yes ☒ No If yes, antidegradation analysis is complete. If no, proceed to Part 2.	Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality after construction? ☐ Yes ☒ No If yes, antidegradation analysis is complete. If no, proceed to Part 2.

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
☒ Treatment BMPs: ☐ Sediment basin with skimmer ☐ Sediment basin ratio of 4:1 or greater (flow length to basin width) ☐ Sediment basin with 4-7 day detention ☐ Flocculants ☒ Compost Filter Socks ☒ Compost Filter Sock Sediment Basin ☒ RCE w/ Wash Rack ☒ Land disposal: ☐ Vegetated filters ☐ Riparian buffers <150ft. ☐ Riparian Forest Buffer <150ft. ☒ Immediate stabilization ☒ Pollution prevention: ☒ PPC Plans ☒ Street sweeping ☒ Channels, collectors and diversions lined with permanent vegetation, rock, geotextile or other non-erosive materials ☐ Stormwater reuse technologies: ☐ Sediment basin water for dust control ☐ Sediment basin water for irrigation ☐ Other _____	☒ Treatment BMPs: ☒ Infiltration Practices ☐ Wet ponds ☐ Created wetland treatment systems ☒ Vegetated swales ☐ Manufactured devices ☒ Bio-retention/infiltration ☐ Green Roofs ☐ Land disposal: ☐ Vegetated filters ☐ Riparian Buffers <150ft. ☐ Riparian Forest Buffer <150ft. ☐ Disconnection of roof drainage ☐ Bio-retention/bio-infiltration ☒ Pollution prevention: ☐ Street sweeping ☐ Nutrient, pesticide, herbicide or other chemical application plan alternatives ☒ PPC Plans ☒ Non-structural Practices ☒ Restoration BMPs ☐ Stormwater reuse technologies: ☐ Divert rainwater into impoundment ☐ Underground storage ☐ Spray/Drip Irrigation ☐ Other _____
Are the ABACT BMPs selected sufficient to minimize E&S discharges to the extent that existing or designated surface water uses are protected? ☒ Yes ☐ No If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.	Are the ABACT BMPs selected sufficient to achieve no net change and assure that existing or designated surface water uses are protected? ☒ Yes ☐ No If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.

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	
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



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 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 plan and post construction stormwater management plans.

Sincerely,

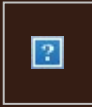
A handwritten signature in black ink, appearing to read 'Ryan J. Nelson', with a stylized flourish at the end.

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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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? ☐ Yes ☒ No If yes, Permit No. _____					
Has a well permit application been submitted for this site? ☐ Yes ☒ No If yes, Permit No. _____					
Does this site have a 911 address? ☐ Yes ☒ 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 ☐	Boro ☒	Twp. ☒
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?			☒ Yes ☐ No		
2. Will the project in which the well pad will be constructed be in or on a floodplain?			☐ Yes ☒ 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?			☐ Yes ☒ 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?			☒ Yes ☐ No		
5. Do any unresolved non-compliance issues exist with the applicant or the facility?			☐ Yes ☒ No		
6. Is the project a transmission project?			☒ Yes ☐ No		

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.	
II. Expedited Review Process	
1. Is the technically and administratively complete and accurate NOI package prepared and certified by a licensed professional?	☐ Yes ☐ 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>	☐ Yes ☐ 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?	☐ Yes ☐ 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?	☐ Yes ☐ 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)	☐ Yes ☐ 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)	☐ Yes ☐ No
4. If applicable, have you included PNDI clearance letters or other documentation from applicable resource agencies?	☐ Yes ☐ 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? ☐ Yes ☐ No	☐ Yes ☐ 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 (for permit modification only)																	
Fee: (For additional information regarding fees, refer to NOI Instructions #3 Permit NOI Filing Fees.)			\$ \$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>☐ Oil/Gas Well ¹</td> <td>☒ Transmission Facility</td> </tr> <tr> <td>☐ Gathering Facility</td> <td>☐ Processing Facility</td> </tr> <tr> <td>☐ Treatment Facility</td> <td>☐ Well Development Impoundment</td> </tr> <tr> <td>☒ Compressor Station</td> <td>☐ Non-FERC regulated Transmission Facility</td> </tr> <tr> <td>☒ Pipeline</td> <td>☐ Ground/Surface Water Withdrawal Site</td> </tr> <tr> <td>☐ Storage Field Facility</td> <td></td> </tr> <tr> <td>☐ Other</td> <td></td> </tr> </table>				☐ Oil/Gas Well ¹	☒ Transmission Facility	☐ Gathering Facility	☐ Processing Facility	☐ Treatment Facility	☐ Well Development Impoundment	☒ Compressor Station	☐ Non-FERC regulated Transmission Facility	☒ Pipeline	☐ Ground/Surface Water Withdrawal Site	☐ Storage Field Facility		☐ Other	
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☒ Pipeline	☐ Ground/Surface Water Withdrawal Site																
☐ Storage Field Facility																	
☐ Other																	
¹ If Oil/Gas Well; is the well conventional or unconventional? ☐ Conventional ☐ 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: ☐ GPS ☒ Interpolated from U.S.G.S. Topographic Map ☐ 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? ☐ Yes ☒ No If Yes, Include Master Site Plan Estimated Timetable for Phased Projects. ☐ 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? ☐ Yes ☒ 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 ☒ No ☐ <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 ☒ No ☐ (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 ☒ No ☐ 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 ☒ No ☐ <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 ☒ No ☐ <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 ☒ No ☐					
15. Have existing and/or proposed Riparian Forest Buffers been identified? Yes ☒ N/A ☐ <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 ☒ No ☐ N/A ☐ <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 <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>	Chapter 93, Designated Use Stream Classification ☒ HQ ☒ EV ☒ Other <u>CWF, MF, WWF</u> ☒ Siltation-impaired ☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired	Chapter 93, Existing Use Stream Classification ☐ HQ ☒ EV ☒ Other <u>MF</u> ☐ Siltation-impaired ☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired

	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired ☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired ☐ HQ ☐ EV ☐ Other _____ ☐ 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		☐	☐
Stage 2		☐	☐
Stage 3		☐	☐
Stage 4		☐	☐

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☒ Other <u>Vegetated Swale</u>	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	 <u>1,009cf(2-yr):</u> <u>4,264cf(100-yr)</u>	 <u>0.49</u>
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
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TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - Carverton Tie-In

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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.

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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

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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 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
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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 <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: 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☒ Infiltration Bed ☐ Infiltration Basin ☐ Rain Garden/ Bioretention ☐ Infiltration Berm ☐ Vegetated Swale	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ <u>2,265cf(2-yr);</u> <u>5,881cf(100-yr)</u>	_____ <u>0.21</u>
Natural Area Conservation ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____

☐ Roadside Vegetated Filter Strips		☐ VC ☐ RC ☐ WQ	_____	_____
Stormwater Energy Dissipaters	Infiltration/Recharge			
☐ Level Spreaders		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Riprap Aprons		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Upslope Diversions		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Other _____		☐ VC ☐ RC ☐ 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☒ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ 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 ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☐ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	_____ _____ _____ _____ <u>3,790cf(2-yr);</u> <u>11,631cf(100-yr)</u>	_____ _____ _____ _____ <u>0.56</u>
Natural Area Conservation ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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 <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: 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☐ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	_____ _____ _____ _____ <u>31,799cf(2-yr):</u> <u>96,268cf(100-yr)</u>	_____ _____ _____ _____ <u>3.83</u>
Natural Area Conservation ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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
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) See Section 2 of this ESCGP-3 Application	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) See Section 3 of this ESCGP-3 Application
Nondischarge BMPs ☐ Alternative Siting ☐ Alternative location ☐ Alternative configuration ☐ Alternative location of discharge ☒ Limited Disturbed Area ☐ Limiting Extent & Duration of Disturbance (Phasing, Sequencing) ☐ Riparian Buffers (150 ft. min.) ☐ Riparian Forest Buffer (150 ft. min.) ☐ Other _____	Nondischarge BMPs ☐ Alternative Siting ☐ Alternative location ☐ Alternative configuration ☐ Alternative location of discharge ☐ Low Impact Development (LID / BSD) ☐ Riparian Buffers (150 ft. min.) ☐ Riparian Forest Buffer (150 ft. min.) ☒ Infiltration ☐ Water Reuse ☐ Other _____
Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality during construction? ☐ Yes ☒ No If yes, antidegradation analysis is complete. If no, proceed to Part 2.	Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality after construction? ☐ Yes ☒ No If yes, antidegradation analysis is complete. If no, proceed to Part 2.

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
☒ Treatment BMPs: ☐ Sediment basin with skimmer ☐ Sediment basin ratio of 4:1 or greater (flow length to basin width) ☐ Sediment basin with 4-7 day detention ☐ Flocculants ☒ Compost Filter Socks ☒ Compost Filter Sock Sediment Basin ☒ RCE w/ Wash Rack ☒ Land disposal: ☐ Vegetated filters ☐ Riparian buffers <150ft. ☐ Riparian Forest Buffer <150ft. ☒ Immediate stabilization ☒ Pollution prevention: ☒ PPC Plans ☒ Street sweeping ☒ Channels, collectors and diversions lined with permanent vegetation, rock, geotextile or other non-erosive materials ☐ Stormwater reuse technologies: ☐ Sediment basin water for dust control ☐ Sediment basin water for irrigation ☐ Other _____	☒ Treatment BMPs: ☒ Infiltration Practices ☐ Wet ponds ☐ Created wetland treatment systems ☒ Vegetated swales ☐ Manufactured devices ☒ Bio-retention/infiltration ☐ Green Roofs ☐ Land disposal: ☐ Vegetated filters ☐ Riparian Buffers <150ft. ☐ Riparian Forest Buffer <150ft. ☐ Disconnection of roof drainage ☐ Bio-retention/bio-infiltration ☒ Pollution prevention: ☐ Street sweeping ☐ Nutrient, pesticide, herbicide or other chemical application plan alternatives ☒ PPC Plans ☒ Non-structural Practices ☒ Restoration BMPs ☐ Stormwater reuse technologies: ☐ Divert rainwater into impoundment ☐ Underground storage ☐ Spray/Drip Irrigation ☐ Other _____
Are the ABACT BMPs selected sufficient to minimize E&S discharges to the extent that existing or designated surface water uses are protected? ☒ Yes ☐ No If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.	Are the ABACT BMPs selected sufficient to achieve no net change and assure that existing or designated surface water uses are protected? ☒ Yes ☐ No If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.

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	
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					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



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,

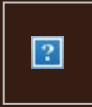
A handwritten signature in black ink, appearing to read 'Ryan J. Nelson', with a stylized flourish at the end.

Ryan J. Nelson, PWS
WHM Consulting, LLC

Enclosures:

NOI Form
Erosion and Sediment Control Plan Drawings

From: [UPS](#)
To: SFOX@WHMGROUP.COM
Subject: UPS Delivery Notification, Tracking Number 1Z8797VV0396240027
Date: Monday, April 5, 2021 9:59:08 AM



Hello, your package has been delivered.

Delivery Date: Monday, 04/05/2021

Delivery Time: 09:57 AM

Left At: INSIDE DELIV

Signed by: SHARON

WHM CONSULTING, INC

Tracking Number:	1Z8797VV0396240027
Ship To:	ROSS TOWNSHIP SUPERVISORS 250 ANCHORAGE ROAD SAYLORSBURG, PA 18353 US
Number of Packages:	1
UPS Service:	UPS Ground
Package Weight:	3.0 LBS
Reference Number:	WILLIAMS 20-245, TASK 2C



[Download the UPS mobile app](#)

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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? ☐ Yes ☒ No If yes, Permit No. _____					
Has a well permit application been submitted for this site? ☐ Yes ☒ No If yes, Permit No. _____					
Does this site have a 911 address? ☐ Yes ☒ 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 ☐	Boro ☒	Twp. ☒
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?				☒ Yes ☐ No	
2. Will the project in which the well pad will be constructed be in or on a floodplain?				☐ Yes ☒ 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?				☐ Yes ☒ 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?				☒ Yes ☐ No	
5. Do any unresolved non-compliance issues exist with the applicant or the facility?				☐ Yes ☒ No	
6. Is the project a transmission project?				☒ Yes ☐ No	

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.	
II. Expedited Review Process	
1. Is the technically and administratively complete and accurate NOI package prepared and certified by a licensed professional?	☐ Yes ☐ 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>	☐ Yes ☐ 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?	☐ Yes ☐ 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?	☐ Yes ☐ 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)	☐ Yes ☐ 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)	☐ Yes ☐ No
4. If applicable, have you included PNDI clearance letters or other documentation from applicable resource agencies?	☐ Yes ☐ 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? ☐ Yes ☐ No	☐ Yes ☐ 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 (for permit modification only)																	
Fee: (For additional information regarding fees, refer to NOI Instructions #3 Permit NOI Filing Fees.)			\$ \$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>☐ Oil/Gas Well ¹</td> <td>☒ Transmission Facility</td> </tr> <tr> <td>☐ Gathering Facility</td> <td>☐ Processing Facility</td> </tr> <tr> <td>☐ Treatment Facility</td> <td>☐ Well Development Impoundment</td> </tr> <tr> <td>☒ Compressor Station</td> <td>☐ Non-FERC regulated Transmission Facility</td> </tr> <tr> <td>☒ Pipeline</td> <td>☐ Ground/Surface Water Withdrawal Site</td> </tr> <tr> <td>☐ Storage Field Facility</td> <td></td> </tr> <tr> <td>☐ Other</td> <td></td> </tr> </table>				☐ Oil/Gas Well ¹	☒ Transmission Facility	☐ Gathering Facility	☐ Processing Facility	☐ Treatment Facility	☐ Well Development Impoundment	☒ Compressor Station	☐ Non-FERC regulated Transmission Facility	☒ Pipeline	☐ Ground/Surface Water Withdrawal Site	☐ Storage Field Facility		☐ Other	
☐ Oil/Gas Well ¹	☒ Transmission Facility																
☐ Gathering Facility	☐ Processing Facility																
☐ Treatment Facility	☐ Well Development Impoundment																
☒ Compressor Station	☐ Non-FERC regulated Transmission Facility																
☒ Pipeline	☐ Ground/Surface Water Withdrawal Site																
☐ Storage Field Facility																	
☐ Other																	
¹ If Oil/Gas Well; is the well conventional or unconventional? ☐ Conventional ☐ 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: ☐ GPS ☒ Interpolated from U.S.G.S. Topographic Map ☐ 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? ☐ Yes ☒ No If Yes, Include Master Site Plan Estimated Timetable for Phased Projects. ☐ 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? ☐ Yes ☒ 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 ☒ No ☐ <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 ☒ No ☐ (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 ☒ No ☐ 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 ☒ No ☐ <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 ☒ No ☐ <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 ☒ No ☐					
15. Have existing and/or proposed Riparian Forest Buffers been identified? Yes ☒ N/A ☐ <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 ☒ No ☐ N/A ☐ <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 <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>	☒ HQ ☒ EV ☒ Other <u>CWF, MF, WWF</u> ☒ Siltation-impaired	☐ HQ ☒ EV ☒ Other <u>MF</u> ☐ Siltation-impaired
	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired

	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired ☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired ☐ HQ ☐ EV ☐ Other _____ ☐ 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		☐	☐
Stage 2		☐	☐
Stage 3		☐	☐
Stage 4		☐	☐

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☒ Other <u>Vegetated Swale</u>	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	 <u>1,009cf(2-yr):</u> <u>4,264cf(100-yr)</u>	 <u>0.49</u>
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

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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
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TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - Lower Demunds REL Tie-In

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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 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 (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS
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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 <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: 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☒ Infiltration Bed ☐ Infiltration Basin ☐ Rain Garden/ Bioretention ☐ Infiltration Berm ☐ Vegetated Swale	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ <u>2,265cf(2-yr);</u> <u>5,881cf(100-yr)</u>	_____ <u>0.21</u>
Natural Area Conservation ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____

☐ Roadside Vegetated Filter Strips		☐ VC ☐ RC ☐ WQ	_____	_____
Stormwater Energy Dissipaters	Infiltration/Recharge			
☐ Level Spreaders		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Riprap Aprons		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Upslope Diversions		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Other _____		☐ VC ☐ RC ☐ 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
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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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☒ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ 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 ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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
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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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☐ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	_____ _____ _____ _____ <u>3,790cf(2-yr);</u> <u>11,631cf(100-yr)</u>	_____ _____ _____ _____ <u>0.56</u>
Natural Area Conservation ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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 <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: 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☐ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	_____ _____ _____ _____ <u>31,799cf(2-yr):</u> <u>96,268cf(100-yr)</u>	_____ _____ _____ _____ <u>3.83</u>
Natural Area Conservation ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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.

- 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
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) See Section 2 of this ESCGP-3 Application	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) See Section 3 of this ESCGP-3 Application
Nondischarge BMPs ☐ Alternative Siting ☐ Alternative location ☐ Alternative configuration ☐ Alternative location of discharge ☒ Limited Disturbed Area ☐ Limiting Extent & Duration of Disturbance (Phasing, Sequencing) ☐ Riparian Buffers (150 ft. min.) ☐ Riparian Forest Buffer (150 ft. min.) ☐ Other _____	Nondischarge BMPs ☐ Alternative Siting ☐ Alternative location ☐ Alternative configuration ☐ Alternative location of discharge ☐ Low Impact Development (LID / BSD) ☐ Riparian Buffers (150 ft. min.) ☐ Riparian Forest Buffer (150 ft. min.) ☒ Infiltration ☐ Water Reuse ☐ Other _____
Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality during construction? ☐ Yes ☒ No If yes, antidegradation analysis is complete. If no, proceed to Part 2.	Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality after construction? ☐ Yes ☒ No If yes, antidegradation analysis is complete. If no, proceed to Part 2.

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
☒ Treatment BMPs: ☐ Sediment basin with skimmer ☐ Sediment basin ratio of 4:1 or greater (flow length to basin width) ☐ Sediment basin with 4-7 day detention ☐ Flocculants ☒ Compost Filter Socks ☒ Compost Filter Sock Sediment Basin ☒ RCE w/ Wash Rack ☒ Land disposal: ☐ Vegetated filters ☐ Riparian buffers <150ft. ☐ Riparian Forest Buffer <150ft. ☒ Immediate stabilization ☒ Pollution prevention: ☒ PPC Plans ☒ Street sweeping ☒ Channels, collectors and diversions lined with permanent vegetation, rock, geotextile or other non-erosive materials ☐ Stormwater reuse technologies: ☐ Sediment basin water for dust control ☐ Sediment basin water for irrigation ☐ Other _____	☒ Treatment BMPs: ☒ Infiltration Practices ☐ Wet ponds ☐ Created wetland treatment systems ☒ Vegetated swales ☐ Manufactured devices ☒ Bio-retention/infiltration ☐ Green Roofs ☐ Land disposal: ☐ Vegetated filters ☐ Riparian Buffers <150ft. ☐ Riparian Forest Buffer <150ft. ☐ Disconnection of roof drainage ☐ Bio-retention/bio-infiltration ☒ Pollution prevention: ☐ Street sweeping ☐ Nutrient, pesticide, herbicide or other chemical application plan alternatives ☒ PPC Plans ☒ Non-structural Practices ☒ Restoration BMPs ☐ Stormwater reuse technologies: ☐ Divert rainwater into impoundment ☐ Underground storage ☐ Spray/Drip Irrigation ☐ Other _____
Are the ABACT BMPs selected sufficient to minimize E&S discharges to the extent that existing or designated surface water uses are protected? ☒ Yes ☐ No If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.	Are the ABACT BMPs selected sufficient to achieve no net change and assure that existing or designated surface water uses are protected? ☒ Yes ☐ No If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.

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
_____ 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					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



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 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.

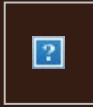
Ryan J. Nelson, PWS
WHM Consulting, LLC

Enclosures:

NOI Form

Erosion and Sediment Control Plan Drawings

From: [UPS](#)
To: SFOX@WHMGROUP.COM
Subject: UPS Delivery Notification, Tracking Number 1Z8797VV0394479597
Date: Thursday, April 1, 2021 2:44:55 PM



Hello, your package has been delivered.

Delivery Date: Thursday, 04/01/2021

Delivery Time: 02:43 PM

Left At: INSIDE DELIV

Signed by: KERNAN

WHM CONSULTING, INC

Tracking Number:	1Z8797VV0394479597
Ship To:	TUNKHANNOCK TOWNSHIP SUPERVISORS 1557 LONG POND ROAD LONG POND, PA 18334 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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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? ☐ Yes ☒ No If yes, Permit No. _____					
Has a well permit application been submitted for this site? ☐ Yes ☒ No If yes, Permit No. _____					
Does this site have a 911 address? ☐ Yes ☒ 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 ☐	Boro ☒	Twp. ☒
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?			☒ Yes ☐ No		
2. Will the project in which the well pad will be constructed be in or on a floodplain?			☐ Yes ☒ 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?			☐ Yes ☒ 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?			☒ Yes ☐ No		
5. Do any unresolved non-compliance issues exist with the applicant or the facility?			☐ Yes ☒ No		
6. Is the project a transmission project?			☒ Yes ☐ No		

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.	
II. Expedited Review Process	
1. Is the technically and administratively complete and accurate NOI package prepared and certified by a licensed professional?	☐ Yes ☐ 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>	☐ Yes ☐ 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?	☐ Yes ☐ 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?	☐ Yes ☐ 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)	☐ Yes ☐ 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)	☐ Yes ☐ No
4. If applicable, have you included PNDI clearance letters or other documentation from applicable resource agencies?	☐ Yes ☐ 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? ☐ Yes ☐ No	☐ Yes ☐ 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 (for permit modification only)																	
Fee: (For additional information regarding fees, refer to NOI Instructions #3 Permit NOI Filing Fees.)			\$ \$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>☐ Oil/Gas Well ¹</td> <td>☒ Transmission Facility</td> </tr> <tr> <td>☐ Gathering Facility</td> <td>☐ Processing Facility</td> </tr> <tr> <td>☐ Treatment Facility</td> <td>☐ Well Development Impoundment</td> </tr> <tr> <td>☒ Compressor Station</td> <td>☐ Non-FERC regulated Transmission Facility</td> </tr> <tr> <td>☒ Pipeline</td> <td>☐ Ground/Surface Water Withdrawal Site</td> </tr> <tr> <td>☐ Storage Field Facility</td> <td></td> </tr> <tr> <td>☐ Other</td> <td></td> </tr> </table>				☐ Oil/Gas Well ¹	☒ Transmission Facility	☐ Gathering Facility	☐ Processing Facility	☐ Treatment Facility	☐ Well Development Impoundment	☒ Compressor Station	☐ Non-FERC regulated Transmission Facility	☒ Pipeline	☐ Ground/Surface Water Withdrawal Site	☐ Storage Field Facility		☐ Other	
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☒ Compressor Station	☐ Non-FERC regulated Transmission Facility																
☒ Pipeline	☐ Ground/Surface Water Withdrawal Site																
☐ Storage Field Facility																	
☐ Other																	
¹ If Oil/Gas Well; is the well conventional or unconventional? ☐ Conventional ☐ 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: ☐ GPS ☒ Interpolated from U.S.G.S. Topographic Map ☐ 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? ☐ Yes ☒ No If Yes, Include Master Site Plan Estimated Timetable for Phased Projects. ☐ 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? ☐ Yes ☒ 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 ☒ No ☐ <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 ☒ No ☐ (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 ☒ No ☐ 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 ☒ No ☐ <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 ☒ No ☐ <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 ☒ No ☐					
15. Have existing and/or proposed Riparian Forest Buffers been identified? Yes ☒ N/A ☐ <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 ☒ No ☐ N/A ☐ <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 <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>	Chapter 93, Designated Use Stream Classification ☒ HQ ☒ EV ☒ Other <u>CWF, MF, WWF</u> ☒ Siltation-impaired	Chapter 93, Existing Use Stream Classification ☐ HQ ☒ EV ☒ Other <u>MF</u> ☐ Siltation-impaired
	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired

	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired ☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired ☐ HQ ☐ EV ☐ Other _____ ☐ 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		☐	☐
Stage 2		☐	☐
Stage 3		☐	☐
Stage 4		☐	☐

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☒ Other <u>Vegetated Swale</u>	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	 <u>1,009cf(2-yr):</u> <u>4,264cf(100-yr)</u>	 <u>0.49</u>
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
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TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - Carverton Tie-In

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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.

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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

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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 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.

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

☐ Roadside Vegetated Filter Strips		☐ VC ☐ RC ☐ WQ	_____	_____
Stormwater Energy Dissipaters	Infiltration/Recharge			
☐ Level Spreaders		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Riprap Aprons		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Upslope Diversions		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Other _____		☐ VC ☐ RC ☐ 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☒ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ 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 ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☐ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	_____ _____ _____ _____ <u>3,790cf(2-yr);</u> <u>11,631cf(100-yr)</u>	_____ _____ _____ _____ <u>0.56</u>
Natural Area Conservation ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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.

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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
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) See Section 2 of this ESCGP-3 Application	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) See Section 3 of this ESCGP-3 Application
Nondischarge BMPs ☐ Alternative Siting ☐ Alternative location ☐ Alternative configuration ☐ Alternative location of discharge ☒ Limited Disturbed Area ☐ Limiting Extent & Duration of Disturbance (Phasing, Sequencing) ☐ Riparian Buffers (150 ft. min.) ☐ Riparian Forest Buffer (150 ft. min.) ☐ Other _____	Nondischarge BMPs ☐ Alternative Siting ☐ Alternative location ☐ Alternative configuration ☐ Alternative location of discharge ☐ Low Impact Development (LID / BSD) ☐ Riparian Buffers (150 ft. min.) ☐ Riparian Forest Buffer (150 ft. min.) ☒ Infiltration ☐ Water Reuse ☐ Other _____
Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality during construction? ☐ Yes ☒ No If yes, antidegradation analysis is complete. If no, proceed to Part 2.	Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality after construction? ☐ Yes ☒ No If yes, antidegradation analysis is complete. If no, proceed to Part 2.

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
☒ Treatment BMPs: ☐ Sediment basin with skimmer ☐ Sediment basin ratio of 4:1 or greater (flow length to basin width) ☐ Sediment basin with 4-7 day detention ☐ Flocculants ☒ Compost Filter Socks ☒ Compost Filter Sock Sediment Basin ☒ RCE w/ Wash Rack ☒ Land disposal: ☐ Vegetated filters ☐ Riparian buffers <150ft. ☐ Riparian Forest Buffer <150ft. ☒ Immediate stabilization ☒ Pollution prevention: ☒ PPC Plans ☒ Street sweeping ☒ Channels, collectors and diversions lined with permanent vegetation, rock, geotextile or other non-erosive materials ☐ Stormwater reuse technologies: ☐ Sediment basin water for dust control ☐ Sediment basin water for irrigation ☐ Other _____	☒ Treatment BMPs: ☒ Infiltration Practices ☐ Wet ponds ☐ Created wetland treatment systems ☒ Vegetated swales ☐ Manufactured devices ☒ Bio-retention/infiltration ☐ Green Roofs ☐ Land disposal: ☐ Vegetated filters ☐ Riparian Buffers <150ft. ☐ Riparian Forest Buffer <150ft. ☐ Disconnection of roof drainage ☐ Bio-retention/bio-infiltration ☒ Pollution prevention: ☐ Street sweeping ☐ Nutrient, pesticide, herbicide or other chemical application plan alternatives ☒ PPC Plans ☒ Non-structural Practices ☒ Restoration BMPs ☐ Stormwater reuse technologies: ☐ Divert rainwater into impoundment ☐ Underground storage ☐ Spray/Drip Irrigation ☐ Other _____
Are the ABACT BMPs selected sufficient to minimize E&S discharges to the extent that existing or designated surface water uses are protected? ☒ Yes ☐ No If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.	Are the ABACT BMPs selected sufficient to achieve no net change and assure that existing or designated surface water uses are protected? ☒ Yes ☐ No If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.

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					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 1.6.3
CHESTER COUNTY
(COMPRESSOR STATION 200)



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,

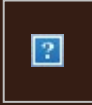
A handwritten signature in black ink, appearing to read "Ryan J. Nelson", with a stylized flourish at the end.

Ryan J. Nelson, PWS
WHM Consulting, LLC

Enclosures:

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

From: [UPS](#)
To: SFOX@WHMGROUP.COM
Subject: UPS Delivery Notification, Tracking Number 1Z8797VV0390653557
Date: Thursday, April 1, 2021 10:11:36 AM



Hello, your package has been delivered.

Delivery Date: Thursday, 04/01/2021

Delivery Time: 10:10 AM

Left At: FRONT DESK

Signed by: JOHN

WHM CONSULTING, INC

Tracking Number:	1Z8797VV0390653557
Ship To:	CHESTER COUNTY COMMISSIONERS 313 WEST MARKET STREET SUITE 6202 W CHESTER, PA 19380 US
Number of Packages:	1
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? ☐ Yes ☒ No If yes, Permit No. _____					
Has a well permit application been submitted for this site? ☐ Yes ☒ No If yes, Permit No. _____					
Does this site have a 911 address? ☐ Yes ☒ 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 ☐	Boro ☒	Twp. ☒
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?				☒ Yes ☐ No	
2. Will the project in which the well pad will be constructed be in or on a floodplain?				☐ Yes ☒ 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?				☐ Yes ☒ 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?				☒ Yes ☐ No	
5. Do any unresolved non-compliance issues exist with the applicant or the facility?				☐ Yes ☒ No	
6. Is the project a transmission project?				☒ Yes ☐ No	

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.	
II. Expedited Review Process	
1. Is the technically and administratively complete and accurate NOI package prepared and certified by a licensed professional?	☐ Yes ☐ 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>	☐ Yes ☐ 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?	☐ Yes ☐ 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?	☐ Yes ☐ 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)	☐ Yes ☐ 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)	☐ Yes ☐ No
4. If applicable, have you included PNDI clearance letters or other documentation from applicable resource agencies?	☐ Yes ☐ 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? ☐ Yes ☐ No	☐ Yes ☐ 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 (for permit modification only)																	
Fee: (For additional information regarding fees, refer to NOI Instructions #3 Permit NOI Filing Fees.)			\$ \$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>☐ Oil/Gas Well ¹</td> <td>☒ Transmission Facility</td> </tr> <tr> <td>☐ Gathering Facility</td> <td>☐ Processing Facility</td> </tr> <tr> <td>☐ Treatment Facility</td> <td>☐ Well Development Impoundment</td> </tr> <tr> <td>☒ Compressor Station</td> <td>☐ Non-FERC regulated Transmission Facility</td> </tr> <tr> <td>☒ Pipeline</td> <td>☐ Ground/Surface Water Withdrawal Site</td> </tr> <tr> <td>☐ Storage Field Facility</td> <td></td> </tr> <tr> <td>☐ Other</td> <td></td> </tr> </table>				☐ Oil/Gas Well ¹	☒ Transmission Facility	☐ Gathering Facility	☐ Processing Facility	☐ Treatment Facility	☐ Well Development Impoundment	☒ Compressor Station	☐ Non-FERC regulated Transmission Facility	☒ Pipeline	☐ Ground/Surface Water Withdrawal Site	☐ Storage Field Facility		☐ Other	
☐ Oil/Gas Well ¹	☒ Transmission Facility																
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☒ Compressor Station	☐ Non-FERC regulated Transmission Facility																
☒ Pipeline	☐ Ground/Surface Water Withdrawal Site																
☐ Storage Field Facility																	
☐ Other																	
¹ If Oil/Gas Well; is the well conventional or unconventional? ☐ Conventional ☐ 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: ☐ GPS ☒ Interpolated from U.S.G.S. Topographic Map ☐ 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? ☐ Yes ☒ No If Yes, Include Master Site Plan Estimated Timetable for Phased Projects. ☐ 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? ☐ Yes ☒ 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 ☒ No ☐ <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 ☒ No ☐ (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 ☒ No ☐ 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 ☒ No ☐ <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 ☒ No ☐ <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 ☒ No ☐					
15. Have existing and/or proposed Riparian Forest Buffers been identified? Yes ☒ N/A ☐ <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 ☒ No ☐ N/A ☐ <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 <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>	Chapter 93, Designated Use Stream Classification ☒ HQ ☒ EV ☒ Other <u>CWF, MF, WWF</u> ☒ Siltation-impaired ☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired	Chapter 93, Existing Use Stream Classification ☐ HQ ☒ EV ☒ Other <u>MF</u> ☐ Siltation-impaired ☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired

	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired ☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired ☐ HQ ☐ EV ☐ Other _____ ☐ 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		☐	☐
Stage 2		☐	☐
Stage 3		☐	☐
Stage 4		☐	☐

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☒ Other <u>Vegetated Swale</u>	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	 <u>1,009cf(2-yr):</u> <u>4,264cf(100-yr)</u>	 <u>0.49</u>

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

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☒ Infiltration Bed ☐ Infiltration Basin ☐ Rain Garden/ Bioretention ☐ Infiltration Berm ☐ Vegetated Swale	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ <u>2,265cf(2-yr);</u> <u>5,881cf(100-yr)</u>	_____ <u>0.21</u>
Natural Area Conservation ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____

☐ Roadside Vegetated Filter Strips		☐ VC ☐ RC ☐ WQ	_____	_____
Stormwater Energy Dissipaters	Infiltration/Recharge			
☐ Level Spreaders		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Riprap Aprons		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Upslope Diversions		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Other _____		☐ VC ☐ RC ☐ 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☒ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ 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 ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☐ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	_____ _____ _____ _____ <u>3,790cf(2-yr);</u> <u>11,631cf(100-yr)</u>	_____ _____ _____ _____ <u>0.56</u>
Natural Area Conservation ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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 <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: 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☐ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	_____ _____ _____ _____ <u>31,799cf(2-yr):</u> <u>96,268cf(100-yr)</u>	_____ _____ _____ _____ <u>3.83</u>
Natural Area Conservation ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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.

- 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
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) See Section 2 of this ESCGP-3 Application	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) See Section 3 of this ESCGP-3 Application
Nondischarge BMPs ☐ Alternative Siting ☐ Alternative location ☐ Alternative configuration ☐ Alternative location of discharge ☒ Limited Disturbed Area ☐ Limiting Extent & Duration of Disturbance (Phasing, Sequencing) ☐ Riparian Buffers (150 ft. min.) ☐ Riparian Forest Buffer (150 ft. min.) ☐ Other _____	Nondischarge BMPs ☐ Alternative Siting ☐ Alternative location ☐ Alternative configuration ☐ Alternative location of discharge ☐ Low Impact Development (LID / BSD) ☐ Riparian Buffers (150 ft. min.) ☐ Riparian Forest Buffer (150 ft. min.) ☒ Infiltration ☐ Water Reuse ☐ Other _____
Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality during construction? ☐ Yes ☒ No If yes, antidegradation analysis is complete. If no, proceed to Part 2.	Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality after construction? ☐ Yes ☒ No If yes, antidegradation analysis is complete. If no, proceed to Part 2.

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
☒ Treatment BMPs: ☐ Sediment basin with skimmer ☐ Sediment basin ratio of 4:1 or greater (flow length to basin width) ☐ Sediment basin with 4-7 day detention ☐ Flocculants ☒ Compost Filter Socks ☒ Compost Filter Sock Sediment Basin ☒ RCE w/ Wash Rack ☒ Land disposal: ☐ Vegetated filters ☐ Riparian buffers <150ft. ☐ Riparian Forest Buffer <150ft. ☒ Immediate stabilization ☒ Pollution prevention: ☒ PPC Plans ☒ Street sweeping ☒ Channels, collectors and diversions lined with permanent vegetation, rock, geotextile or other non-erosive materials ☐ Stormwater reuse technologies: ☐ Sediment basin water for dust control ☐ Sediment basin water for irrigation ☐ Other _____	☒ Treatment BMPs: ☒ Infiltration Practices ☐ Wet ponds ☐ Created wetland treatment systems ☒ Vegetated swales ☐ Manufactured devices ☒ Bio-retention/infiltration ☐ Green Roofs ☐ Land disposal: ☐ Vegetated filters ☐ Riparian Buffers <150ft. ☐ Riparian Forest Buffer <150ft. ☐ Disconnection of roof drainage ☐ Bio-retention/bio-infiltration ☒ Pollution prevention: ☐ Street sweeping ☐ Nutrient, pesticide, herbicide or other chemical application plan alternatives ☒ PPC Plans ☒ Non-structural Practices ☒ Restoration BMPs ☐ Stormwater reuse technologies: ☐ Divert rainwater into impoundment ☐ Underground storage ☐ Spray/Drip Irrigation ☐ Other _____
Are the ABACT BMPs selected sufficient to minimize E&S discharges to the extent that existing or designated surface water uses are protected? ☒ Yes ☐ No If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.	Are the ABACT BMPs selected sufficient to achieve no net change and assure that existing or designated surface water uses are protected? ☒ Yes ☐ No If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.

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	
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					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



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,

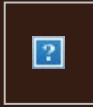
A handwritten signature in black ink, appearing to read "Ryan J. Nelson". The signature is fluid and cursive, with a long horizontal stroke at the end.

Ryan J. Nelson, PWS
WHM Consulting, LLC

Enclosures:

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

From: [UPS](#)
To: SFOX@WHMGROUP.COM
Subject: UPS Delivery Notification, Tracking Number 1Z8797VV0393286369
Date: Thursday, April 1, 2021 2:18:47 PM



Hello, your package has been delivered.

Delivery Date: Thursday, 04/01/2021

Delivery Time: 02:16 PM

Left At: FRONT DESK

Signed by: FRONT DESK

WHM CONSULTING, INC

Tracking Number:	1Z8797VV0393286369
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 20-271, 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? ☐ Yes ☒ No If yes, Permit No. _____					
Has a well permit application been submitted for this site? ☐ Yes ☒ No If yes, Permit No. _____					
Does this site have a 911 address? ☐ Yes ☒ 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 ☐	Boro ☒	Twp. ☒
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?			☒ Yes ☐ No		
2. Will the project in which the well pad will be constructed be in or on a floodplain?			☐ Yes ☒ 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?			☐ Yes ☒ 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?			☒ Yes ☐ No		
5. Do any unresolved non-compliance issues exist with the applicant or the facility?			☐ Yes ☒ No		
6. Is the project a transmission project?			☒ Yes ☐ No		

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.	
II. Expedited Review Process	
1. Is the technically and administratively complete and accurate NOI package prepared and certified by a licensed professional?	☐ Yes ☐ 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>	☐ Yes ☐ 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?	☐ Yes ☐ 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?	☐ Yes ☐ 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)	☐ Yes ☐ 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)	☐ Yes ☐ No
4. If applicable, have you included PNDI clearance letters or other documentation from applicable resource agencies?	☐ Yes ☐ 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? ☐ Yes ☐ No	☐ Yes ☐ 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 (for permit modification only)																	
Fee: (For additional information regarding fees, refer to NOI Instructions #3 Permit NOI Filing Fees.)			\$ \$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>☐ Oil/Gas Well ¹</td> <td>☒ Transmission Facility</td> </tr> <tr> <td>☐ Gathering Facility</td> <td>☐ Processing Facility</td> </tr> <tr> <td>☐ Treatment Facility</td> <td>☐ Well Development Impoundment</td> </tr> <tr> <td>☒ Compressor Station</td> <td>☐ Non-FERC regulated Transmission Facility</td> </tr> <tr> <td>☒ Pipeline</td> <td>☐ Ground/Surface Water Withdrawal Site</td> </tr> <tr> <td>☐ Storage Field Facility</td> <td></td> </tr> <tr> <td>☐ Other</td> <td></td> </tr> </table>				☐ Oil/Gas Well ¹	☒ Transmission Facility	☐ Gathering Facility	☐ Processing Facility	☐ Treatment Facility	☐ Well Development Impoundment	☒ Compressor Station	☐ Non-FERC regulated Transmission Facility	☒ Pipeline	☐ Ground/Surface Water Withdrawal Site	☐ Storage Field Facility		☐ Other	
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☒ Compressor Station	☐ Non-FERC regulated Transmission Facility																
☒ Pipeline	☐ Ground/Surface Water Withdrawal Site																
☐ Storage Field Facility																	
☐ Other																	
¹ If Oil/Gas Well; is the well conventional or unconventional? ☐ Conventional ☐ 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: ☐ GPS ☒ Interpolated from U.S.G.S. Topographic Map ☐ 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? ☐ Yes ☒ No If Yes, Include Master Site Plan Estimated Timetable for Phased Projects. ☐ 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? ☐ Yes ☒ 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 ☒ No ☐ <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 ☒ No ☐ (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 ☒ No ☐ 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 ☒ No ☐ <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 ☒ No ☐ <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 ☒ No ☐					
15. Have existing and/or proposed Riparian Forest Buffers been identified? Yes ☒ N/A ☐ <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 ☒ No ☐ N/A ☐ <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]

	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired ☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired ☐ HQ ☐ EV ☐ Other _____ ☐ 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		☐	☐
Stage 2		☐	☐
Stage 3		☐	☐
Stage 4		☐	☐

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☒ Other <u>Vegetated Swale</u>	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	 <u>1,009cf(2-yr):</u> <u>4,264cf(100-yr)</u>	 <u>0.49</u>

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

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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
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TRANSMISSION FACILITIES**

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - Lower Demunds REL Tie-In

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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 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
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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 <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: 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☒ Infiltration Bed ☐ Infiltration Basin ☐ Rain Garden/ Bioretention ☐ Infiltration Berm ☐ Vegetated Swale	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ <u>2,265cf(2-yr);</u> <u>5,881cf(100-yr)</u>	_____ <u>0.21</u>
Natural Area Conservation ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____

☐ Roadside Vegetated Filter Strips		☐ VC ☐ RC ☐ WQ	_____	_____
Stormwater Energy Dissipaters	Infiltration/Recharge			
☐ Level Spreaders		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Riprap Aprons		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Upslope Diversions		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Other _____		☐ VC ☐ RC ☐ 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☒ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ 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 ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☐ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	_____ _____ _____ _____ <u>3,790cf(2-yr);</u> <u>11,631cf(100-yr)</u>	_____ _____ _____ _____ <u>0.56</u>
Natural Area Conservation ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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 <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: 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☐ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	_____ _____ _____ _____ <u>31,799cf(2-yr):</u> <u>96,268cf(100-yr)</u>	_____ _____ _____ _____ <u>3.83</u>
Natural Area Conservation ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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.

- 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
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) See Section 2 of this ESCGP-3 Application	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) See Section 3 of this ESCGP-3 Application
Nondischarge BMPs ☐ Alternative Siting ☐ Alternative location ☐ Alternative configuration ☐ Alternative location of discharge ☒ Limited Disturbed Area ☐ Limiting Extent & Duration of Disturbance (Phasing, Sequencing) ☐ Riparian Buffers (150 ft. min.) ☐ Riparian Forest Buffer (150 ft. min.) ☐ Other _____	Nondischarge BMPs ☐ Alternative Siting ☐ Alternative location ☐ Alternative configuration ☐ Alternative location of discharge ☐ Low Impact Development (LID / BSD) ☐ Riparian Buffers (150 ft. min.) ☐ Riparian Forest Buffer (150 ft. min.) ☒ Infiltration ☐ Water Reuse ☐ Other _____
Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality during construction? ☐ Yes ☒ No If yes, antidegradation analysis is complete. If no, proceed to Part 2.	Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality after construction? ☐ Yes ☒ No If yes, antidegradation analysis is complete. If no, proceed to Part 2.

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
☒ Treatment BMPs: ☐ Sediment basin with skimmer ☐ Sediment basin ratio of 4:1 or greater (flow length to basin width) ☐ Sediment basin with 4-7 day detention ☐ Flocculants ☒ Compost Filter Socks ☒ Compost Filter Sock Sediment Basin ☒ RCE w/ Wash Rack ☒ Land disposal: ☐ Vegetated filters ☐ Riparian buffers <150ft. ☐ Riparian Forest Buffer <150ft. ☒ Immediate stabilization ☒ Pollution prevention: ☒ PPC Plans ☒ Street sweeping ☒ Channels, collectors and diversions lined with permanent vegetation, rock, geotextile or other non-erosive materials ☐ Stormwater reuse technologies: ☐ Sediment basin water for dust control ☐ Sediment basin water for irrigation ☐ Other _____	☒ Treatment BMPs: ☒ Infiltration Practices ☐ Wet ponds ☐ Created wetland treatment systems ☒ Vegetated swales ☐ Manufactured devices ☒ Bio-retention/infiltration ☐ Green Roofs ☐ Land disposal: ☐ Vegetated filters ☐ Riparian Buffers <150ft. ☐ Riparian Forest Buffer <150ft. ☐ Disconnection of roof drainage ☐ Bio-retention/bio-infiltration ☒ Pollution prevention: ☐ Street sweeping ☐ Nutrient, pesticide, herbicide or other chemical application plan alternatives ☒ PPC Plans ☒ Non-structural Practices ☒ Restoration BMPs ☐ Stormwater reuse technologies: ☐ Divert rainwater into impoundment ☐ Underground storage ☐ Spray/Drip Irrigation ☐ Other _____
Are the ABACT BMPs selected sufficient to minimize E&S discharges to the extent that existing or designated surface water uses are protected? ☒ Yes ☐ No If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.	Are the ABACT BMPs selected sufficient to achieve no net change and assure that existing or designated surface water uses are protected? ☒ Yes ☐ No If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.

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

SECTION 1.6.4
NORTHAMPTON COUNTY
(DELAWARE RIVER REGULATOR)



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,

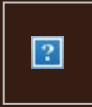
A handwritten signature in black ink, appearing to read "Ryan J. Nelson". The signature is fluid and cursive, with a long horizontal stroke at the end.

Ryan J. Nelson, PWS
WHM Consulting, LLC

Enclosures:

NOI Form
Erosion and Sediment Control Plan Drawings

From: [UPS](#)
To: SFOX@WHMGROUP.COM
Subject: UPS Delivery Notification, Tracking Number 1Z8797VV0391371332
Date: Monday, April 5, 2021 2:43:41 PM



Hello, your package has been delivered.

Delivery Date: Monday, 04/05/2021

Delivery Time: 02:41 PM

Left At: INSIDE DELIV

Signed by: MASTRO



Set Delivery Instructions

Manage Preferences

View My Packages

WHM CONSULTING, INC

Tracking Number: [1Z8797VV0391371332](#)

Ship To: LOWER MOUNT BETHEL TOWNSHIP SUPERV
2004 HUTCHINSON AVENUE
BANGOR, PA 18013
US

Number of Packages: 1

UPS Service: UPS Ground

Package Weight: 1.0 LBS

Reference Number: WILLIAMS 20-266, 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? ☐ Yes ☒ No If yes, Permit No. _____					
Has a well permit application been submitted for this site? ☐ Yes ☒ No If yes, Permit No. _____					
Does this site have a 911 address? ☐ Yes ☒ 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 ☐	Boro ☒	Twp. ☒
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?			☒ Yes ☐ No		
2. Will the project in which the well pad will be constructed be in or on a floodplain?			☐ Yes ☒ 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?			☐ Yes ☒ 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?			☒ Yes ☐ No		
5. Do any unresolved non-compliance issues exist with the applicant or the facility?			☐ Yes ☒ No		
6. Is the project a transmission project?			☒ Yes ☐ No		

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.	
II. Expedited Review Process	
1. Is the technically and administratively complete and accurate NOI package prepared and certified by a licensed professional?	☐ Yes ☐ 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>	☐ Yes ☐ 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?	☐ Yes ☐ 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?	☐ Yes ☐ 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)	☐ Yes ☐ 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)	☐ Yes ☐ No
4. If applicable, have you included PNDI clearance letters or other documentation from applicable resource agencies?	☐ Yes ☐ 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? ☐ Yes ☐ No	☐ Yes ☐ 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 (for permit modification only)																	
Fee: (For additional information regarding fees, refer to NOI Instructions #3 Permit NOI Filing Fees.)			\$ \$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>☐ Oil/Gas Well ¹</td> <td>☒ Transmission Facility</td> </tr> <tr> <td>☐ Gathering Facility</td> <td>☐ Processing Facility</td> </tr> <tr> <td>☐ Treatment Facility</td> <td>☐ Well Development Impoundment</td> </tr> <tr> <td>☒ Compressor Station</td> <td>☐ Non-FERC regulated Transmission Facility</td> </tr> <tr> <td>☒ Pipeline</td> <td>☐ Ground/Surface Water Withdrawal Site</td> </tr> <tr> <td>☐ Storage Field Facility</td> <td></td> </tr> <tr> <td>☐ Other</td> <td></td> </tr> </table>				☐ Oil/Gas Well ¹	☒ Transmission Facility	☐ Gathering Facility	☐ Processing Facility	☐ Treatment Facility	☐ Well Development Impoundment	☒ Compressor Station	☐ Non-FERC regulated Transmission Facility	☒ Pipeline	☐ Ground/Surface Water Withdrawal Site	☐ Storage Field Facility		☐ Other	
☐ Oil/Gas Well ¹	☒ Transmission Facility																
☐ Gathering Facility	☐ Processing Facility																
☐ Treatment Facility	☐ Well Development Impoundment																
☒ Compressor Station	☐ Non-FERC regulated Transmission Facility																
☒ Pipeline	☐ Ground/Surface Water Withdrawal Site																
☐ Storage Field Facility																	
☐ Other																	
¹ If Oil/Gas Well; is the well conventional or unconventional? ☐ Conventional ☐ 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: ☐ GPS ☒ Interpolated from U.S.G.S. Topographic Map ☐ 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? ☐ Yes ☒ No If Yes, Include Master Site Plan Estimated Timetable for Phased Projects. ☐ 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? ☐ Yes ☒ 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 ☒ No ☐ <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 ☒ No ☐ (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 ☒ No ☐ 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 ☒ No ☐ <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 ☒ No ☐ <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 ☒ No ☐					
15. Have existing and/or proposed Riparian Forest Buffers been identified? Yes ☒ N/A ☐ <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 ☒ No ☐ N/A ☐ <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 <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>	Chapter 93, Designated Use Stream Classification ☒ HQ ☒ EV ☒ Other <u>CWF, MF, WWF</u> ☒ Siltation-impaired	Chapter 93, Existing Use Stream Classification ☐ HQ ☒ EV ☒ Other <u>MF</u> ☐ Siltation-impaired
	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired

	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired ☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired ☐ HQ ☐ EV ☐ Other _____ ☐ 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		☐	☐
Stage 2		☐	☐
Stage 3		☐	☐
Stage 4		☐	☐

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☒ Other <u>Vegetated Swale</u>	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	 <u>1,009cf(2-yr):</u> <u>4,264cf(100-yr)</u>	 <u>0.49</u>

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

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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 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 <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: 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☒ Infiltration Bed ☐ Infiltration Basin ☐ Rain Garden/ Bioretention ☐ Infiltration Berm ☐ Vegetated Swale	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ <u>2,265cf(2-yr);</u> <u>5,881cf(100-yr)</u>	_____ <u>0.21</u>
Natural Area Conservation ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____

☐ Roadside Vegetated Filter Strips		☐ VC ☐ RC ☐ WQ	_____	_____
Stormwater Energy Dissipaters	Infiltration/Recharge			
☐ Level Spreaders		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Riprap Aprons		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Upslope Diversions		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Other _____		☐ VC ☐ RC ☐ 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☒ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ 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 ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☐ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	_____ _____ _____ _____ <u>3,790cf(2-yr);</u> <u>11,631cf(100-yr)</u>	_____ _____ _____ _____ <u>0.56</u>
Natural Area Conservation ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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 <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: 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☐ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	_____ _____ _____ _____ <u>31,799cf(2-yr):</u> <u>96,268cf(100-yr)</u>	_____ _____ _____ _____ <u>3.83</u>
Natural Area Conservation ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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.

- 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
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) See Section 2 of this ESCGP-3 Application	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) See Section 3 of this ESCGP-3 Application
Nondischarge BMPs ☐ Alternative Siting ☐ Alternative location ☐ Alternative configuration ☐ Alternative location of discharge ☒ Limited Disturbed Area ☐ Limiting Extent & Duration of Disturbance (Phasing, Sequencing) ☐ Riparian Buffers (150 ft. min.) ☐ Riparian Forest Buffer (150 ft. min.) ☐ Other _____	Nondischarge BMPs ☐ Alternative Siting ☐ Alternative location ☐ Alternative configuration ☐ Alternative location of discharge ☐ Low Impact Development (LID / BSD) ☐ Riparian Buffers (150 ft. min.) ☐ Riparian Forest Buffer (150 ft. min.) ☒ Infiltration ☐ Water Reuse ☐ Other _____
Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality during construction? ☐ Yes ☒ No If yes, antidegradation analysis is complete. If no, proceed to Part 2.	Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality after construction? ☐ Yes ☒ No If yes, antidegradation analysis is complete. If no, proceed to Part 2.

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
☒ Treatment BMPs: ☐ Sediment basin with skimmer ☐ Sediment basin ratio of 4:1 or greater (flow length to basin width) ☐ Sediment basin with 4-7 day detention ☐ Flocculants ☒ Compost Filter Socks ☒ Compost Filter Sock Sediment Basin ☒ RCE w/ Wash Rack ☒ Land disposal: ☐ Vegetated filters ☐ Riparian buffers <150ft. ☐ Riparian Forest Buffer <150ft. ☒ Immediate stabilization ☒ Pollution prevention: ☒ PPC Plans ☒ Street sweeping ☒ Channels, collectors and diversions lined with permanent vegetation, rock, geotextile or other non-erosive materials ☐ Stormwater reuse technologies: ☐ Sediment basin water for dust control ☐ Sediment basin water for irrigation ☐ Other _____	☒ Treatment BMPs: ☒ Infiltration Practices ☐ Wet ponds ☐ Created wetland treatment systems ☒ Vegetated swales ☐ Manufactured devices ☒ Bio-retention/infiltration ☐ Green Roofs ☐ Land disposal: ☐ Vegetated filters ☐ Riparian Buffers <150ft. ☐ Riparian Forest Buffer <150ft. ☐ Disconnection of roof drainage ☐ Bio-retention/bio-infiltration ☒ Pollution prevention: ☐ Street sweeping ☐ Nutrient, pesticide, herbicide or other chemical application plan alternatives ☒ PPC Plans ☒ Non-structural Practices ☒ Restoration BMPs ☐ Stormwater reuse technologies: ☐ Divert rainwater into impoundment ☐ Underground storage ☐ Spray/Drip Irrigation ☐ Other _____
Are the ABACT BMPs selected sufficient to minimize E&S discharges to the extent that existing or designated surface water uses are protected? ☒ Yes ☐ No If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.	Are the ABACT BMPs selected sufficient to achieve no net change and assure that existing or designated surface water uses are protected? ☒ Yes ☐ No If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.

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
_____ 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					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



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,

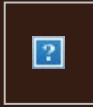
A handwritten signature in black ink, appearing to read "Ryan J. Nelson". The signature is fluid and cursive, with a long horizontal stroke at the end.

Ryan J. Nelson, PWS
WHM Consulting, LLC

Enclosures:

NOI Form
Erosion and Sediment Control Plan Drawings

From: [UPS](#)
To: SFOX@WHMGROUP.COM
Subject: UPS Delivery Notification, Tracking Number 1Z8797VV0393096547
Date: Thursday, April 1, 2021 10:04:41 AM



Hello, your package has been delivered.

Delivery Date: Thursday, 04/01/2021

Delivery Time: 10:03 AM

Left At: RECEIVER

Signed by: COLON

WHM CONSULTING, INC

Tracking Number:	1Z8797VV0393096547
Ship To:	NORTHAMPTON COUNTY COUNCIL 669 WASHINGTON STREET EASTON, PA 18042 US
Number of Packages:	1
UPS Service:	UPS Ground
Package Weight:	1.0 LBS
Reference Number:	WILLIAMS 20-266, 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? ☐ Yes ☒ No If yes, Permit No. _____					
Has a well permit application been submitted for this site? ☐ Yes ☒ No If yes, Permit No. _____					
Does this site have a 911 address? ☐ Yes ☒ 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 ☐	Boro ☒	Twp. ☒
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?			☒ Yes ☐ No		
2. Will the project in which the well pad will be constructed be in or on a floodplain?			☐ Yes ☒ 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?			☐ Yes ☒ 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?			☒ Yes ☐ No		
5. Do any unresolved non-compliance issues exist with the applicant or the facility?			☐ Yes ☒ No		
6. Is the project a transmission project?			☒ Yes ☐ No		

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.	
II. Expedited Review Process	
1. Is the technically and administratively complete and accurate NOI package prepared and certified by a licensed professional?	☐ Yes ☐ 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>	☐ Yes ☐ 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?	☐ Yes ☐ 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?	☐ Yes ☐ 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)	☐ Yes ☐ 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)	☐ Yes ☐ No
4. If applicable, have you included PNDI clearance letters or other documentation from applicable resource agencies?	☐ Yes ☐ 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? ☐ Yes ☐ No	☐ Yes ☐ 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 (for permit modification only)																	
Fee: (For additional information regarding fees, refer to NOI Instructions #3 Permit NOI Filing Fees.)			\$ \$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>☐ Oil/Gas Well ¹</td> <td>☒ Transmission Facility</td> </tr> <tr> <td>☐ Gathering Facility</td> <td>☐ Processing Facility</td> </tr> <tr> <td>☐ Treatment Facility</td> <td>☐ Well Development Impoundment</td> </tr> <tr> <td>☒ Compressor Station</td> <td>☐ Non-FERC regulated Transmission Facility</td> </tr> <tr> <td>☒ Pipeline</td> <td>☐ Ground/Surface Water Withdrawal Site</td> </tr> <tr> <td>☐ Storage Field Facility</td> <td></td> </tr> <tr> <td>☐ Other</td> <td></td> </tr> </table>				☐ Oil/Gas Well ¹	☒ Transmission Facility	☐ Gathering Facility	☐ Processing Facility	☐ Treatment Facility	☐ Well Development Impoundment	☒ Compressor Station	☐ Non-FERC regulated Transmission Facility	☒ Pipeline	☐ Ground/Surface Water Withdrawal Site	☐ Storage Field Facility		☐ Other	
☐ Oil/Gas Well ¹	☒ Transmission Facility																
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☐ Treatment Facility	☐ Well Development Impoundment																
☒ Compressor Station	☐ Non-FERC regulated Transmission Facility																
☒ Pipeline	☐ Ground/Surface Water Withdrawal Site																
☐ Storage Field Facility																	
☐ Other																	
¹ If Oil/Gas Well; is the well conventional or unconventional? ☐ Conventional ☐ 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: ☐ GPS ☒ Interpolated from U.S.G.S. Topographic Map ☐ 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? ☐ Yes ☒ No If Yes, Include Master Site Plan Estimated Timetable for Phased Projects. ☐ 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? ☐ Yes ☒ 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 ☒ No ☐ <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 ☒ No ☐ (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 ☒ No ☐ 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 ☒ No ☐ <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 ☒ No ☐ <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 ☒ No ☐					
15. Have existing and/or proposed Riparian Forest Buffers been identified? Yes ☒ N/A ☐ <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 ☒ No ☐ N/A ☐ <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 <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>	Chapter 93, Designated Use Stream Classification ☒ HQ ☒ EV ☒ Other <u>CWF, MF, WWF</u> ☒ Siltation-impaired ☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired	Chapter 93, Existing Use Stream Classification ☐ HQ ☒ EV ☒ Other <u>MF</u> ☐ Siltation-impaired ☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired

	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired ☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired ☐ HQ ☐ EV ☐ Other _____ ☐ 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		☐	☐
Stage 2		☐	☐
Stage 3		☐	☐
Stage 4		☐	☐

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☒ Other <u>Vegetated Swale</u>	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	 <u>1,009cf(2-yr):</u> <u>4,264cf(100-yr)</u>	 <u>0.49</u>
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

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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 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 <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: 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☒ Infiltration Bed ☐ Infiltration Basin ☐ Rain Garden/ Bioretention ☐ Infiltration Berm ☐ Vegetated Swale	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ <u>2,265cf(2-yr);</u> <u>5,881cf(100-yr)</u>	_____ <u>0.21</u>
Natural Area Conservation ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____

☐ Roadside Vegetated Filter Strips		☐ VC ☐ RC ☐ WQ	_____	_____
Stormwater Energy Dissipaters	Infiltration/Recharge			
☐ Level Spreaders		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Riprap Aprons		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Upslope Diversions		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Other _____		☐ VC ☐ RC ☐ 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☒ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ 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 ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☐ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	_____ _____ _____ _____ <u>3,790cf(2-yr);</u> <u>11,631cf(100-yr)</u>	_____ _____ _____ _____ <u>0.56</u>
Natural Area Conservation ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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
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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 <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: 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☐ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	_____ _____ _____ _____ <u>31,799cf(2-yr):</u> <u>96,268cf(100-yr)</u>	_____ _____ _____ _____ <u>3.83</u>
Natural Area Conservation ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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.

- 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
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) See Section 2 of this ESCGP-3 Application	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) See Section 3 of this ESCGP-3 Application
Nondischarge BMPs ☐ Alternative Siting ☐ Alternative location ☐ Alternative configuration ☐ Alternative location of discharge ☒ Limited Disturbed Area ☐ Limiting Extent & Duration of Disturbance (Phasing, Sequencing) ☐ Riparian Buffers (150 ft. min.) ☐ Riparian Forest Buffer (150 ft. min.) ☐ Other _____	Nondischarge BMPs ☐ Alternative Siting ☐ Alternative location ☐ Alternative configuration ☐ Alternative location of discharge ☐ Low Impact Development (LID / BSD) ☐ Riparian Buffers (150 ft. min.) ☐ Riparian Forest Buffer (150 ft. min.) ☒ Infiltration ☐ Water Reuse ☐ Other _____
Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality during construction? ☐ Yes ☒ No If yes, antidegradation analysis is complete. If no, proceed to Part 2.	Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality after construction? ☐ Yes ☒ No If yes, antidegradation analysis is complete. If no, proceed to Part 2.

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
☒ Treatment BMPs: ☐ Sediment basin with skimmer ☐ Sediment basin ratio of 4:1 or greater (flow length to basin width) ☐ Sediment basin with 4-7 day detention ☐ Flocculants ☒ Compost Filter Socks ☒ Compost Filter Sock Sediment Basin ☒ RCE w/ Wash Rack ☒ Land disposal: ☐ Vegetated filters ☐ Riparian buffers <150ft. ☐ Riparian Forest Buffer <150ft. ☒ Immediate stabilization ☒ Pollution prevention: ☒ PPC Plans ☒ Street sweeping ☒ Channels, collectors and diversions lined with permanent vegetation, rock, geotextile or other non-erosive materials ☐ Stormwater reuse technologies: ☐ Sediment basin water for dust control ☐ Sediment basin water for irrigation ☐ Other _____	☒ Treatment BMPs: ☒ Infiltration Practices ☐ Wet ponds ☐ Created wetland treatment systems ☒ Vegetated swales ☐ Manufactured devices ☒ Bio-retention/infiltration ☐ Green Roofs ☐ Land disposal: ☐ Vegetated filters ☐ Riparian Buffers <150ft. ☐ Riparian Forest Buffer <150ft. ☐ Disconnection of roof drainage ☐ Bio-retention/bio-infiltration ☒ Pollution prevention: ☐ Street sweeping ☐ Nutrient, pesticide, herbicide or other chemical application plan alternatives ☒ PPC Plans ☒ Non-structural Practices ☒ Restoration BMPs ☐ Stormwater reuse technologies: ☐ Divert rainwater into impoundment ☐ Underground storage ☐ Spray/Drip Irrigation ☐ Other _____
Are the ABACT BMPs selected sufficient to minimize E&S discharges to the extent that existing or designated surface water uses are protected? ☒ Yes ☐ No If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.	Are the ABACT BMPs selected sufficient to achieve no net change and assure that existing or designated surface water uses are protected? ☒ Yes ☐ No If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.

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					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)



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,

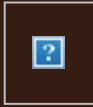
A handwritten signature in black ink, appearing to read "Ryan J. Nelson". The signature is fluid and cursive, with a long horizontal stroke at the end.

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



Hello, your package has been delivered.

Delivery Date: Thursday, 04/01/2021

Delivery Time: 10:20 AM

Left At: DOCK

Signed by: BRAMS RTS

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



[Download the UPS mobile app](#)

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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? ☐ Yes ☒ No If yes, Permit No. _____					
Has a well permit application been submitted for this site? ☐ Yes ☒ No If yes, Permit No. _____					
Does this site have a 911 address? ☐ Yes ☒ 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 ☐	Boro ☒	Twp. ☒
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?				☒ Yes ☐ No	
2. Will the project in which the well pad will be constructed be in or on a floodplain?				☐ Yes ☒ 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?				☐ Yes ☒ 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?				☒ Yes ☐ No	
5. Do any unresolved non-compliance issues exist with the applicant or the facility?				☐ Yes ☒ No	
6. Is the project a transmission project?				☒ Yes ☐ No	

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.	
II. Expedited Review Process	
1. Is the technically and administratively complete and accurate NOI package prepared and certified by a licensed professional?	☐ Yes ☐ 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>	☐ Yes ☐ 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?	☐ Yes ☐ 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?	☐ Yes ☐ 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)	☐ Yes ☐ 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)	☐ Yes ☐ No
4. If applicable, have you included PNDI clearance letters or other documentation from applicable resource agencies?	☐ Yes ☐ 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? ☐ Yes ☐ No	☐ Yes ☐ 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 (for permit modification only)																	
Fee: (For additional information regarding fees, refer to NOI Instructions #3 Permit NOI Filing Fees.)			\$ \$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>☐ Oil/Gas Well ¹</td> <td>☒ Transmission Facility</td> </tr> <tr> <td>☐ Gathering Facility</td> <td>☐ Processing Facility</td> </tr> <tr> <td>☐ Treatment Facility</td> <td>☐ Well Development Impoundment</td> </tr> <tr> <td>☒ Compressor Station</td> <td>☐ Non-FERC regulated Transmission Facility</td> </tr> <tr> <td>☒ Pipeline</td> <td>☐ Ground/Surface Water Withdrawal Site</td> </tr> <tr> <td>☐ Storage Field Facility</td> <td></td> </tr> <tr> <td>☐ Other</td> <td></td> </tr> </table>				☐ Oil/Gas Well ¹	☒ Transmission Facility	☐ Gathering Facility	☐ Processing Facility	☐ Treatment Facility	☐ Well Development Impoundment	☒ Compressor Station	☐ Non-FERC regulated Transmission Facility	☒ Pipeline	☐ Ground/Surface Water Withdrawal Site	☐ Storage Field Facility		☐ Other	
☐ Oil/Gas Well ¹	☒ Transmission Facility																
☐ Gathering Facility	☐ Processing Facility																
☐ Treatment Facility	☐ Well Development Impoundment																
☒ Compressor Station	☐ Non-FERC regulated Transmission Facility																
☒ Pipeline	☐ Ground/Surface Water Withdrawal Site																
☐ Storage Field Facility																	
☐ Other																	
¹ If Oil/Gas Well; is the well conventional or unconventional? ☐ Conventional ☐ 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: ☐ GPS ☒ Interpolated from U.S.G.S. Topographic Map ☐ 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? ☐ Yes ☒ No If Yes, Include Master Site Plan Estimated Timetable for Phased Projects. ☐ 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? ☐ Yes ☒ 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 ☒ No ☐ <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 ☒ No ☐ (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 ☒ No ☐ 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 ☒ No ☐ <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 ☒ No ☐ <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 ☒ No ☐					
15. Have existing and/or proposed Riparian Forest Buffers been identified? Yes ☒ N/A ☐ <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 ☒ No ☐ N/A ☐ <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 <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>	Chapter 93, Designated Use Stream Classification ☒ HQ ☒ EV ☒ Other <u>CWF, MF, WWF</u> ☒ Siltation-impaired	Chapter 93, Existing Use Stream Classification ☐ HQ ☒ EV ☒ Other <u>MF</u> ☐ Siltation-impaired
	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired

	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired ☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired ☐ HQ ☐ EV ☐ Other _____ ☐ 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		☐	☐
Stage 2		☐	☐
Stage 3		☐	☐
Stage 4		☐	☐

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☒ Other <u>Vegetated Swale</u>	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	 <u>1,009cf(2-yr):</u> <u>4,264cf(100-yr)</u>	 <u>0.49</u>

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

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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 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 (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-515RA40-Hildebrandt Tie-In

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

☐ Roadside Vegetated Filter Strips		☐ VC ☐ RC ☐ WQ	_____	_____
Stormwater Energy Dissipaters	Infiltration/Recharge			
☐ Level Spreaders		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Riprap Aprons		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Upslope Diversions		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Other _____		☐ VC ☐ RC ☐ 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☒ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ 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 ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☐ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	_____ _____ _____ _____ <u>3,790cf(2-yr);</u> <u>11,631cf(100-yr)</u>	_____ _____ _____ _____ <u>0.56</u>
Natural Area Conservation ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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 <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: 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☐ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	_____ _____ _____ _____ <u>31,799cf(2-yr):</u> <u>96,268cf(100-yr)</u>	_____ _____ _____ _____ <u>3.83</u>
Natural Area Conservation ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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.

- 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
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) See Section 2 of this ESCGP-3 Application	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) See Section 3 of this ESCGP-3 Application
Nondischarge BMPs ☐ Alternative Siting ☐ Alternative location ☐ Alternative configuration ☐ Alternative location of discharge ☒ Limited Disturbed Area ☐ Limiting Extent & Duration of Disturbance (Phasing, Sequencing) ☐ Riparian Buffers (150 ft. min.) ☐ Riparian Forest Buffer (150 ft. min.) ☐ Other _____	Nondischarge BMPs ☐ Alternative Siting ☐ Alternative location ☐ Alternative configuration ☐ Alternative location of discharge ☐ Low Impact Development (LID / BSD) ☐ Riparian Buffers (150 ft. min.) ☐ Riparian Forest Buffer (150 ft. min.) ☒ Infiltration ☐ Water Reuse ☐ Other _____
Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality during construction? ☐ Yes ☒ No If yes, antidegradation analysis is complete. If no, proceed to Part 2.	Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality after construction? ☐ Yes ☒ No If yes, antidegradation analysis is complete. If no, proceed to Part 2.

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
☒ Treatment BMPs: ☐ Sediment basin with skimmer ☐ Sediment basin ratio of 4:1 or greater (flow length to basin width) ☐ Sediment basin with 4-7 day detention ☐ Flocculants ☒ Compost Filter Socks ☒ Compost Filter Sock Sediment Basin ☒ RCE w/ Wash Rack ☒ Land disposal: ☐ Vegetated filters ☐ Riparian buffers <150ft. ☐ Riparian Forest Buffer <150ft. ☒ Immediate stabilization ☒ Pollution prevention: ☒ PPC Plans ☒ Street sweeping ☒ Channels, collectors and diversions lined with permanent vegetation, rock, geotextile or other non-erosive materials ☐ Stormwater reuse technologies: ☐ Sediment basin water for dust control ☐ Sediment basin water for irrigation ☐ Other _____	☒ Treatment BMPs: ☒ Infiltration Practices ☐ Wet ponds ☐ Created wetland treatment systems ☒ Vegetated swales ☐ Manufactured devices ☒ Bio-retention/infiltration ☐ Green Roofs ☐ Land disposal: ☐ Vegetated filters ☐ Riparian Buffers <150ft. ☐ Riparian Forest Buffer <150ft. ☐ Disconnection of roof drainage ☐ Bio-retention/bio-infiltration ☒ Pollution prevention: ☐ Street sweeping ☐ Nutrient, pesticide, herbicide or other chemical application plan alternatives ☒ PPC Plans ☒ Non-structural Practices ☒ Restoration BMPs ☐ Stormwater reuse technologies: ☐ Divert rainwater into impoundment ☐ Underground storage ☐ Spray/Drip Irrigation ☐ Other _____
Are the ABACT BMPs selected sufficient to minimize E&S discharges to the extent that existing or designated surface water uses are protected? ☒ Yes ☐ No If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.	Are the ABACT BMPs selected sufficient to achieve no net change and assure that existing or designated surface water uses are protected? ☒ Yes ☐ No If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.

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
_____ 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					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



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,

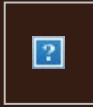
A handwritten signature in black ink, appearing to read "Ryan J. Nelson". The signature is fluid and cursive, with a long horizontal stroke at the end.

Ryan J. Nelson, PWS
WHM Consulting, LLC

Enclosures:

NOI Form
Erosion and Sediment Control Plan Drawings

From: [UPS](#)
To: SFOX@WHMGROUP.COM
Subject: UPS Delivery Notification, Tracking Number 1Z8797VV0393153921
Date: Thursday, April 1, 2021 9:32:28 AM



Hello, your package has been delivered.

Delivery Date: Thursday, 04/01/2021

Delivery Time: 09:30 AM

Left At: INSIDE DELIV

Signed by: POLICE VESTIBUL

WHM CONSULTING, INC

Tracking Number:	1Z8797VV0393153921
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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Address	City	State	ZIP Code
Email Address			

SECTION C. SITE INFORMATION					
Is there an existing ESCGP associated with this site? ☐ Yes ☒ No If yes, Permit No. _____					
Has a well permit application been submitted for this site? ☐ Yes ☒ No If yes, Permit No. _____					
Does this site have a 911 address? ☐ Yes ☒ 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 ☐	Boro ☒	Twp. ☒
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?			☒ Yes ☐ No		
2. Will the project in which the well pad will be constructed be in or on a floodplain?			☐ Yes ☒ 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?			☐ Yes ☒ 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?			☒ Yes ☐ No		
5. Do any unresolved non-compliance issues exist with the applicant or the facility?			☐ Yes ☒ No		
6. Is the project a transmission project?			☒ Yes ☐ No		

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.	
II. Expedited Review Process	
1. Is the technically and administratively complete and accurate NOI package prepared and certified by a licensed professional?	☐ Yes ☐ 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>	☐ Yes ☐ 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?	☐ Yes ☐ 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?	☐ Yes ☐ 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)	☐ Yes ☐ 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)	☐ Yes ☐ No
4. If applicable, have you included PNDI clearance letters or other documentation from applicable resource agencies?	☐ Yes ☐ 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? ☐ Yes ☐ No	☐ Yes ☐ 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 (for permit modification only)																	
Fee: (For additional information regarding fees, refer to NOI Instructions #3 Permit NOI Filing Fees.)			\$ \$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>☐ Oil/Gas Well ¹</td> <td>☒ Transmission Facility</td> </tr> <tr> <td>☐ Gathering Facility</td> <td>☐ Processing Facility</td> </tr> <tr> <td>☐ Treatment Facility</td> <td>☐ Well Development Impoundment</td> </tr> <tr> <td>☒ Compressor Station</td> <td>☐ Non-FERC regulated Transmission Facility</td> </tr> <tr> <td>☒ Pipeline</td> <td>☐ Ground/Surface Water Withdrawal Site</td> </tr> <tr> <td>☐ Storage Field Facility</td> <td></td> </tr> <tr> <td>☐ Other</td> <td></td> </tr> </table>				☐ Oil/Gas Well ¹	☒ Transmission Facility	☐ Gathering Facility	☐ Processing Facility	☐ Treatment Facility	☐ Well Development Impoundment	☒ Compressor Station	☐ Non-FERC regulated Transmission Facility	☒ Pipeline	☐ Ground/Surface Water Withdrawal Site	☐ Storage Field Facility		☐ Other	
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☒ Pipeline	☐ Ground/Surface Water Withdrawal Site																
☐ Storage Field Facility																	
☐ Other																	
¹ If Oil/Gas Well; is the well conventional or unconventional? ☐ Conventional ☐ 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: ☐ GPS ☒ Interpolated from U.S.G.S. Topographic Map ☐ 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? ☐ Yes ☒ No If Yes, Include Master Site Plan Estimated Timetable for Phased Projects. ☐ 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? ☐ Yes ☒ 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 ☒ No ☐ <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 ☒ No ☐ (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 ☒ No ☐ 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 ☒ No ☐ <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 ☒ No ☐ <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 ☒ No ☐					
15. Have existing and/or proposed Riparian Forest Buffers been identified? Yes ☒ N/A ☐ <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 ☒ No ☐ N/A ☐ <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]

	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired ☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired	☐ HQ ☐ EV ☐ Other _____ ☐ Siltation-impaired ☐ HQ ☐ EV ☐ Other _____ ☐ 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		☐	☐
Stage 2		☐	☐
Stage 3		☐	☐
Stage 4		☐	☐

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 ☐
<u>Luzerne County Stormwater Management Ordinance</u>	<u>August 18, 2010</u>	Verification Report Included ☒
<u>Valley Creek Watershed Stormwater Management Plan</u>	<u>February 04, 2011</u>	

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☒ Other <u>Vegetated Swale</u>	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	 <u>1,009cf(2-yr):</u> <u>4,264cf(100-yr)</u>	 <u>0.49</u>

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

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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 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 <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: 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☒ Infiltration Bed ☐ Infiltration Basin ☐ Rain Garden/ Bioretention ☐ Infiltration Berm ☐ Vegetated Swale	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ <u>2,265cf(2-yr);</u> <u>5,881cf(100-yr)</u>	_____ <u>0.21</u>
Natural Area Conservation ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____

☐ Roadside Vegetated Filter Strips		☐ VC ☐ RC ☐ WQ	_____	_____
Stormwater Energy Dissipaters	Infiltration/Recharge			
☐ Level Spreaders		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Riprap Aprons		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Upslope Diversions		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Other _____		☐ VC ☐ RC ☐ 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☒ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ 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 ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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. 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 ☐ Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	☐ VC ☐ RC ☐ WQ	_____	_____
Bio-infiltration areas ☐ Infiltration Trench ☐ Infiltration Bed ☐ Infiltration Basin ☐ Rain Garden/ Bioretention ☒ Infiltration Berm	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	_____ _____ _____ _____ <u>3,790cf(2-yr);</u> <u>11,631cf(100-yr)</u>	_____ _____ _____ _____ <u>0.56</u>
Natural Area Conservation ☐ Streamside Buffer Zone ☐ Wetland Buffer Zone ☐ Sensitive Area Buffer Zone ☐ Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____	_____ _____ _____ _____
Stormwater Retention ☐ Constructed Wetlands ☐ Wet Ponds ☐ Retention Basin	Detention/Retention	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal ☐ Vegetated Filter Strips ☐ Compost Filter Sock ☐ Detention Basins	Water Quality Treatment	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____	_____ _____ _____
Access Road Design ☐ Road Crowning ☐ Ditches ☐ Turnouts ☐ Culverts ☐ Roadside Vegetated Filter Strips	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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.

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

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☐ Other _____	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ 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.

- 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
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) See Section 2 of this ESCGP-3 Application	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) See Section 3 of this ESCGP-3 Application
Nondischarge BMPs ☐ Alternative Siting ☐ Alternative location ☐ Alternative configuration ☐ Alternative location of discharge ☒ Limited Disturbed Area ☐ Limiting Extent & Duration of Disturbance (Phasing, Sequencing) ☐ Riparian Buffers (150 ft. min.) ☐ Riparian Forest Buffer (150 ft. min.) ☐ Other _____	Nondischarge BMPs ☐ Alternative Siting ☐ Alternative location ☐ Alternative configuration ☐ Alternative location of discharge ☐ Low Impact Development (LID / BSD) ☐ Riparian Buffers (150 ft. min.) ☐ Riparian Forest Buffer (150 ft. min.) ☒ Infiltration ☐ Water Reuse ☐ Other _____
Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality during construction? ☐ Yes ☒ No If yes, antidegradation analysis is complete. If no, proceed to Part 2.	Will the non-discharge alternative BMPs eliminate the net change in rate, volume and quality after construction? ☐ Yes ☒ No If yes, antidegradation analysis is complete. If no, proceed to Part 2.

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
☒ Treatment BMPs: ☐ Sediment basin with skimmer ☐ Sediment basin ratio of 4:1 or greater (flow length to basin width) ☐ Sediment basin with 4-7 day detention ☐ Flocculants ☒ Compost Filter Socks ☒ Compost Filter Sock Sediment Basin ☒ RCE w/ Wash Rack ☒ Land disposal: ☐ Vegetated filters ☐ Riparian buffers <150ft. ☐ Riparian Forest Buffer <150ft. ☒ Immediate stabilization ☒ Pollution prevention: ☒ PPC Plans ☒ Street sweeping ☒ Channels, collectors and diversions lined with permanent vegetation, rock, geotextile or other non-erosive materials ☐ Stormwater reuse technologies: ☐ Sediment basin water for dust control ☐ Sediment basin water for irrigation ☐ Other _____	☒ Treatment BMPs: ☒ Infiltration Practices ☐ Wet ponds ☐ Created wetland treatment systems ☒ Vegetated swales ☐ Manufactured devices ☒ Bio-retention/infiltration ☐ Green Roofs ☐ Land disposal: ☐ Vegetated filters ☐ Riparian Buffers <150ft. ☐ Riparian Forest Buffer <150ft. ☐ Disconnection of roof drainage ☐ Bio-retention/bio-infiltration ☒ Pollution prevention: ☐ Street sweeping ☐ Nutrient, pesticide, herbicide or other chemical application plan alternatives ☒ PPC Plans ☒ Non-structural Practices ☒ Restoration BMPs ☐ Stormwater reuse technologies: ☐ Divert rainwater into impoundment ☐ Underground storage ☐ Spray/Drip Irrigation ☐ Other _____
Are the ABACT BMPs selected sufficient to minimize E&S discharges to the extent that existing or designated surface water uses are protected? ☒ Yes ☐ No If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.	Are the ABACT BMPs selected sufficient to achieve no net change and assure that existing or designated surface water uses are protected? ☒ Yes ☐ No If yes, Antidegradation analysis is complete. If no, NOI Application will be returned to the Applicant.

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	
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