Transcontinental Gas Pipe Line Company, LLC

Section 1-1 – Project Notice of Intent (NOI) and Attachment
1-1.1 NOI Supporting Information

Regional Energy Access Expansion Project

April 2021

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

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	Telephone No.
Transcontinental Gas Pipe Line Company, LLC (Contact: Joseph Dean)	(713) 215-3427

DEP Client ID No.

Headquarters Mailing Address	City	State	ZIP Code
2800 Post Oak Blvd, Level 11	Houston	TX	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, provide site location address.					
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, Northhampton, 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? *(Include interim restoration details when needed)*	☐ 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)

- ☐ Oil/Gas Well [1]
- ☐ Gathering Facility
- ☐ Treatment Facility
- ☒ Compressor Station
- ☒ Pipeline
- ☐ Storage Field Facility
- ☐ Other
- ☒ Transmission Facility
- ☐ Processing Facility
- ☐ Well Development Impoundment
- ☐ Non-FERC regulated Transmission Facility
- ☐ Ground/Surface Water Withdrawal Site

[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) . Longitude (DD) - .

Latitude (DD) . Longitude (DD) - .

Horizontal Collection Method: ☐ GPS ☒ Interpolated from U.S.G.S. Topographic Map ☐ DEP's eMAP

5. U.S.G.S. 7.5 min. topographic quadrangle Name (See Attachment 1-1.1)
(*Include a copy of the project area on the 7.5 min quad map)*

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 ☐ ***(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.)***

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 1.1-1 and Section 2-5 of this Application) ***(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.)***

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 ☐ ***(If not, the NOI is not complete, see E.12 and #4 Municipal Notification in the NOI Instructions for additional guidance.)***

13. Has the PNDI receipt been attached to the NOI?
Yes ☒ No ☐ ***(If not, the NOI is not complete, see E.13 and #5 PNHP in the NOI Instructions for additional guidance.)***

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 ☐ ***(If yes, they must be shown on the E&S Plan as well as the PCSM/SR Plans.)***

16. Have antidegradation implementation requirements for special protection waters been addressed?
Yes ☒ No ☐ N/A ☐ ***(If yes, antidegradation requirements must be included in the plan.)***

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

    Yes ☐ No ☐ N/A ☒

18. Receiving Waters	Chapter 93, Designated Use Stream Classification	Chapter 93, Existing Use Stream Classification
Effort Loop- Lake Creek (HQ-CWF,MF) Princess Run (CWF,MF) Weir Creek (CWF,MF) McMichael Creek (EV, MF) and (HQ-CWF) Pohopoco Creek (CWF,MF) Sugar Hollow Creek (CWF,MF) Poplar Creek (EV,CWF,MF) Mud Run (HQ-CWF, MF) Mud Pond Run (HQ-CWF,EV,MF) Tunkhannock Creek (HQ-CWF,MF) Regional Energy Lateral- Stony Run (HQ-CWF,MF) Shades Creek (HQ-CWF,MF) Little Shades Creek (HQ-CWF,MF) Snider Run (HQ-CWF,MF) Meadow Run (HQ-CWF,MF) Bear Creek (HQ-CWF,MF) Little Bear Creek (HQ-CWF,MF) Mill Creek (CWF,MF) Gardner Creek (CWF,MF) Susquehanna River (WWF,MF) Abrahams Creek (CWF,MF) Toby Creek (CWF,MF) Trout Brook (CWF,MF) Compressor Station 515- Shades Creek (HQ-CWF,MF) Stony Run (HQ-CWF,MF) Compressor Station 200- Valley Creek (EV,MF) Delaware River Regulator- Mud Run (CWF, MF) Mainline "A" Regulator - Dyers Creek (WWF,MF) See Attachment 1-1.1 for detailed list.	☒ HQ ☒ EV ☒ Other CWF, MF, WWF ☒ Siltation-impaired	☐ 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 ☐ 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 appropraite 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 Management Ordinance	August 18, 2010	Verification Report Included	☒
Valley Creek Watershed Stormwater Management Plan	February 04, 2011		

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 correspoding 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	[redacted]	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/Recharge			
☐ Infiltration Trench		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Infiltration Bed		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Infiltration Basin		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Rain Garden/ Bioretention		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Infiltration Berm				
☐ Vegetated Swale		☐ VC ☐ RC ☐ WQ	_____	_____
Natural Area Conservation	Infiltration/Recharge			
☐ Streamside Buffer Zone		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Wetland Buffer Zone		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Sensitive Area Buffer Zone		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Pre-Construction Drainage Pattern Intact		☐ VC ☐ RC ☐ WQ	_____	_____
Stormwater Retention	Detention/Retention			
☐ Constructed Wetlands		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Wet Ponds		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Retention Basin		☐ VC ☐ RC ☐ WQ	_____	_____
Sediment and Pollutant Removal	Water Quality Treatment			
☐ Vegetated Filter Strips		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Compost Filter Sock		☐ VC ☐ RC ☐ WQ	_____	_____
☒ Detention Basins		☒ VC ☒ RC ☒ WQ	1,396cf(2-yr); 6,186cf(100-yr)	0.28
Access Road Design	Infiltration/Recharge			
☐ Road Crowning		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Ditches		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Turnouts		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Culverts		☐ 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	_____	_____

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 2-year Rainfall amount 2.57 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/Recharge			
☐ Infiltration Trench		☐ VC ☐ RC ☐ WQ	_____	_____
☒ Infiltration Bed		☒ VC ☒ RC ☒ WQ	451cf(2-yr); 2,511cf(100-yr)	0.21
☐ Infiltration Basin		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Rain Garden/ Bioretention		☐ VC ☐ RC ☐ WQ	_____	
☐ Infiltration Berm		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Soil Amendment		☐ VC ☐ RC ☐ WQ	_____	_____
Natural Area Conservation	Infiltration/Recharge			
☐ Streamside Buffer Zone		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Wetland Buffer Zone		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Sensitive Area Buffer Zone		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Pre-Construction Drainage Pattern Intact		☐ VC ☐ RC ☐ WQ	_____	_____
Stormwater Retention	Detention/Retention			
☐ Constructed Wetlands		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Wet Ponds		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Retention Basin		☐ VC ☐ RC ☐ WQ	_____	_____
Sediment and Pollutant Removal	Water Quality Treatment			
☐ Vegetated Filter Strips		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Compost Filter Sock		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Detention Basins		☐ VC ☐ RC ☐ WQ	_____	_____
Access Road Design	Infiltration/Recharge			
☐ Road Crowning		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Ditches		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Turnouts		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Culverts		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Roadside Vegetated Filter Strips		☐ VC ☐ RC ☐ WQ	_____	_____

Stormwater Energy Dissipaters ☐ Level Spreaders ☐ Riprap Aprons ☐ Upslope Diversions ☒ OtherVegetated Swale	Infiltration/Recharge	☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☐ VC ☐ RC ☐ WQ ☒ VC ☒ RC ☒ WQ	_____ _____ _____ 1,009cf(2-yr); 4,264cf(100-yr)	_____ _____ _____ 0.49

d. Critical PCSM Plan stages

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

(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: Abrahams Creek

Volume Control design storm frequency 2-year Rainfall amount 2.61 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	[redacted]	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/Recharge			
☐ Infiltration Trench		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Infiltration Bed		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Infiltration Basin		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Rain Garden/ Bioretention		☐ VC ☐ RC ☐ WQ	_____	
☒ Infiltration Berm		☒ VC ☒ RC ☒ WQ	1,280cf (2-yr); 4,445cf(100-yr)	0.26
Natural Area Conservation	Infiltration/Recharge			
☐ Streamside Buffer Zone		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Wetland Buffer Zone		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Sensitive Area Buffer Zone		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Pre-Construction Drainage Pattern Intact		☐ VC ☐ RC ☐ WQ	_____	_____
Stormwater Retention	Detention/Retention			
☐ Constructed Wetlands		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Wet Ponds		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Retention Basin		☐ VC ☐ RC ☐ WQ	_____	_____
Sediment and Pollutant Removal	Water Quality Treatment			
☐ Vegetated Filter Strips		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Compost Filter Sock		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Detention Basins		☐ VC ☐ RC ☐ WQ	_____	_____
Access Road Design	Infiltration/Recharge			
☐ Road Crowning		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Ditches		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Turnouts		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Culverts		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Roadside Vegetated Filter Strips		☐ 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 (ESCGP-3) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR TRANSMISSION FACILITIES

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Regional Energy Lateral Pipeline - Lower Demunds REL Tie-In

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 2-year Rainfall amount 3.40 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/Recharge			
☐ Infiltration Trench		☐ VC ☐ RC ☐ WQ	_____	_____
☒ Infiltration Bed		☒ VC ☒ RC ☒ WQ	1,481cf(2-yr); 4,356cf(100-yr)	0.17
☐ Infiltration Basin		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Rain Garden/ Bioretention		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Infiltration Berm		☐ VC ☐ RC ☐ WQ	_____	_____
Natural Area Conservation	Infiltration/Recharge			
☐ Streamside Buffer Zone		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Wetland Buffer Zone		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Sensitive Area Buffer Zone		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Pre-Construction Drainage Pattern Intact		☐ VC ☐ RC ☐ WQ	_____	_____
Stormwater Retention	Detention/Retention			
☐ Constructed Wetlands		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Wet Ponds		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Retention Basin		☐ VC ☐ RC ☐ WQ	_____	_____
Sediment and Pollutant Removal	Water Quality Treatment			
☐ Vegetated Filter Strips		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Compost Filter Sock		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Detention Basins		☐ VC ☐ RC ☐ WQ	_____	_____
Access Road Design	Infiltration/Recharge			
☐ Road Crowning		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Ditches		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Turnouts		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Culverts		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Roadside Vegetated Filter Strips		☐ 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 2-year Rainfall amount 3.40 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	[redacted]	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/Recharge			
☐ Infiltration Trench		☐ VC ☐ RC ☐ WQ	_____	_____
☒ Infiltration Bed		☒ VC ☒ RC ☒ WQ	2,265cf(2-yr); 5,881cf(100-yr)	0.21
☐ Infiltration Basin		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Rain Garden/ Bioretention		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Infiltration Berm				
☐ Vegetated Swale		☐ VC ☐ RC ☐ WQ	_____	_____
Natural Area Conservation	Infiltration/Recharge			
☐ Streamside Buffer Zone		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Wetland Buffer Zone		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Sensitive Area Buffer Zone		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Pre-Construction Drainage Pattern Intact		☐ VC ☐ RC ☐ WQ	_____	_____
Stormwater Retention	Detention/Retention			
☐ Constructed Wetlands		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Wet Ponds		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Retention Basin		☐ VC ☐ RC ☐ WQ	_____	_____
Sediment and Pollutant Removal	Water Quality Treatment			
☐ Vegetated Filter Strips		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Compost Filter Sock		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Detention Basins		☐ VC ☐ RC ☐ WQ	_____	_____
Access Road Design	Infiltration/Recharge			
☐ Road Crowning		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Ditches		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Turnouts		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Culverts		☐ 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

(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: Sugar Hollow Creek

Volume Control design storm frequency 2-year Rainfall amount 3.26 inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)	0.10	0.62	+0.52
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	[redacted]	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/Recharge			
☐ Infiltration Trench		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Infiltration Bed		☐ VC ☐ RC ☐ WQ	_____	_____
☒ Infiltration Basin		☒ VC ☒ RC ☒ WQ	1,123cf(2-yr); 21,318cf(100-yr)	2.85
☐ Rain Garden/ Bioretention		☐ VC ☐ RC ☐ WQ	_____	_____
☒ Infiltration Berm		☒ VC ☒ RC ☒ WQ	5,915cf(2-yr); 26,924cf(100-yr)	1.54
Natural Area Conservation	Infiltration/Recharge			
☐ Streamside Buffer Zone		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Wetland Buffer Zone		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Sensitive Area Buffer Zone		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Pre-Construction Drainage Pattern Intact		☐ VC ☐ RC ☐ WQ	_____	_____
Stormwater Retention	Detention/Retention			
☐ Constructed Wetlands		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Wet Ponds		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Retention Basin		☐ VC ☐ RC ☐ WQ	_____	_____
Sediment and Pollutant Removal	Water Quality Treatment			
☐ Vegetated Filter Strips		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Compost Filter Sock		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Detention Basins		☐ VC ☐ RC ☐ WQ	_____	_____
Access Road Design	Infiltration/Recharge			
☐ Road Crowning		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Ditches		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Turnouts		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Culverts		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Roadside Vegetated Filter Strips		☐ 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. Prior to construction to ensure the areas of the infiltration berms and infiltration basin have been properly secured with fencing or other methods to prevent compaction of the infiltration areas.
2. For the final grading of the access road, ensuring it is constructed according to the plan details for proper conveyance of runoff.
3. Following final grading and seeding of the collection channels 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 maintain the necessary design volumes.
4. At the start of construction of the infiltration berms and infiltration basin to ascertain the infiltration areas have not been compacted.
5. During the layout and excavation of the outlet control structures for the infiltration basin, the professional or delegate will ensure sizing, materials specifications, and construction procedures are followed to enable proper storage in the basin.
6. Following final grading and seeding of the infiltration berms and infiltration basin 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 BMPs maintain the necessary design volumes.
7. For final inspection of constructed channels, culverts, basin, and berms.
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

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 2-year Rainfall amount 3.30 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	[redacted]	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/Recharge			
☐ Infiltration Trench		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Infiltration Bed		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Infiltration Basin		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Rain Garden/ Bioretention		☐ VC ☐ RC ☐ WQ	_____	_____
☒ Infiltration Berm		☒ VC ☒ RC ☒ WQ	3,790cf(2-yr); 11,631cf(100-yr)	0.56
Natural Area Conservation	Infiltration/Recharge			
☐ Streamside Buffer Zone		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Wetland Buffer Zone		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Sensitive Area Buffer Zone		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Pre-Construction Drainage Pattern Intact		☐ VC ☐ RC ☐ WQ	_____	_____
Stormwater Retention	Detention/Retention			
☐ Constructed Wetlands		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Wet Ponds		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Retention Basin		☐ VC ☐ RC ☐ WQ	_____	_____
Sediment and Pollutant Removal	Water Quality Treatment			
☐ Vegetated Filter Strips		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Compost Filter Sock		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Detention Basins		☐ VC ☐ RC ☐ WQ	_____	_____
Access Road Design	Infiltration/Recharge			
☐ Road Crowning		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Ditches		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Turnouts		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Culverts		☐ 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. Following final grading and seeding of the infiltration berm in order to confirm it has been constructed according to the plan details for proper collection, infiltration, and conveyance of runoff. Periodic assessments will need to be made to ensure that accumulated sediment should be cleaned out so the channels and berm maintain necessary design volume.
2. For final inspection of constructed BMPs.
3. At the establishment of hard surface stabilization or 70% vegetation covers to allow removal of E & S controls.

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

TABLES IN ADDENDUM OF NOI

SECTION H. POST CONSTRUCTION STORMWATER MANAGEMENT (PLAN) BMPs

Compressor Station 515

b. Summary Table for Supporting Calculation and Measurement Data

(See NOI Instructions for additional guidance with this section)

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

Watershed Name: Bear Creek

Volume Control design storm frequency 2-year Rainfall amount 3.40 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	[redacted]	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/Recharge			
☐ Infiltration Trench		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Infiltration Bed		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Infiltration Basin		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Rain Garden/ Bioretention		☐ VC ☐ RC ☐ WQ	_____	_____
☒ Infiltration Berm		☒ VC ☒ RC ☒ WQ	31,799cf(2-yr); 96,268cf(100-yr)	3.83
Natural Area Conservation	Infiltration/Recharge			
☐ Streamside Buffer Zone		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Wetland Buffer Zone		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Sensitive Area Buffer Zone		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Pre-Construction Drainage Pattern Intact		☐ VC ☐ RC ☐ WQ	_____	_____
Stormwater Retention	Detention/Retention			
☐ Constructed Wetlands		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Wet Ponds		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Retention Basin		☐ VC ☐ RC ☐ WQ	_____	_____
Sediment and Pollutant Removal	Water Quality Treatment			
☐ Vegetated Filter Strips		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Compost Filter Sock		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Detention Basins		☐ VC ☐ RC ☐ WQ	_____	_____
Access Road Design	Infiltration/Recharge			
☐ Road Crowning		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Ditches		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Turnouts		☐ VC ☐ RC ☐ WQ	_____	_____
☐ Culverts		☐ 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. 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	Date(s) compliance achieved
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	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

Joseph Dean Manager Permitting - Major Projects
Print Name and Title of Applicant

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

Signature of Applicant

Signature of Co-Applicant

3/31/21
Date Application Signed

Date Application Signed

Notarization

Sworn to and subscribed to before me this 31st day of March, 2021

~~Commonwealth of Pennsylvania~~ TEXAS
County of Harris

My Commission expires 08-12-2024

Notary Public

AFFIX SEAL

AMY W STARKEY
Notary Public, State of Texas
Comm. Expires 08-12-2024
Notary ID 13077790-7

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

Section 1-1.1 NOI Supporting Information

Project Component	Site	Site Location City	ZIP Code	County	Municipality	Total Project Area/Project Site (Acre)	Total Disturbed Area (Acre)	Latitude / Longitude	U.S.G.S. 7.5 min. Topographic Quadrangle	Receiving Waters	Chapter 93, Designated Use Stream Classification	Chapter 93, Existing Use Stream Classification	Siltation Impaired
Regional Energy Lateral	Pipeline			Luzerne	Buck, Bear Creek, Plains, Jenkins, Kingston, Dallas, Wyoming, West Wyoming, Laflin	952.63	420.67 (includes CS 515 and sites below)	41.173337, -75.671706 (eastern terminus) 41.346917, -75.946263 (western terminus)	Kingston, Pittston, Avoca, Wilkes-Barre East, Pleasant View Summit	Stony Run, Shades Creek, Little Shades Creek, Snider Run, Meadow Run, Bear Creek, Little Bear Creek, Mill Creek, Gardner Creek, Susquehanna River, Abrahams Creek, Toby Creek, Trout Brook	MF, HQ-CWF, WWF, CWF	-	No
	CY-LU-001	Wyoming	18644	Luzerne	Wyoming		16.3 (Included within above total)	41.31016, -75.84636		Abrahams Creek	CWF, MF	-	No
	CY-LU-002	Wilkes-Barre	18702	Luzerne	Laflin		11.4 (Included within above total)	41.28491, -75.79026		Gardner Creek	CWF, MF	-	No
	MLV-515RA20	Wilkes-Barre	18702	Luzerne	Bear Creek Township		0.46 (Included within above total)	41.25279, -75.75856		Mill Creek	CWF, MF	-	No
	MLV-515RA30	Wyoming	18644	Luzerne	Wyoming Borough		0.91 (Included within above total)	41.30411, -75.84662		Susquehanna River	WWF		No
	Carverton Tie-in	Wyoming	18644	Luzerne	West Wyoming Borough		0.83 (Included within above total)	41.32053, -75.87270		Abrahams Creek	CWF, MF		No
	Lower Demunds REL Tie-in	Dallas	18612	Luzerne	Dallas Township		0.17 (Included within above total)	41.34652, -75.94551		Trout Brook	CWF, MF		No
	Hildebrandt Tie-in/MLV-515RA40	Dallas	18612	Luzerne	Dallas Township		0.31 (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, Brodheadsville, 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

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		8.64 (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	0.53	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