

July 22, 2019

CERTIFIED MAIL NO.: 7016 1370 0002 1178 3825

Fayette County Commissioners
Fayette County Courthouse
61 East Main Street
Uniontown, Pennsylvania 15401

3CC
PCCI

Dear Commissioners:

Subject: Act 14 Notification
Erosion and Sedimentation Control Plan 2 (ESCGP-3) for Earth
Disturbance Associated with Oil and Gas Activities
Chevron Appalachia, LLC
Porter Well Pad B
Luzerne Township, Fayette County, Pennsylvania
CEC Project 191-983

This notice, under the requirements of Acts 14, 67, 68, and 127, is to inform you that Chevron Appalachia, LLC (Chevron) is applying 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 from the Pennsylvania Department of Environmental Protection (PADEP) for the Porter Well Pad B project located in Luzerne Township, Fayette County, Pennsylvania.

Applicant Contact: Mr. Branden Weimer
Chevron Appalachia, LLC
700 Cherrington Drive
Coraopolis, Pennsylvania 15108
(724) 564-3745

Project Description and Location: Chevron proposes to construct an approximate 4.0-acre permanent gravel well pad for natural gas exploration purposes located off of Rush Run Road, approximately 0.5-mile north of the intersection of Rush Run Road and Heistersburg Road in Luzerne Township, Fayette County, Pennsylvania. The well pad will be accessed by a 24-foot wide permanent gravel roadway, which will extend from Rush Run Road approximately 850 feet into the site. Additional areas for temporary debris storage, soil stockpile, staging, and stormwater management areas are provided as part of the site design.

Fayette County Commissioners
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Enclosed are a copy of the DRAFT ESCGP-3 Notice of Intent application and an 11-inch x 17-inch set of the draft ESCGP-2 plan drawings. If you wish to submit comments to the PADEP, you must respond within 30 days at the address below:


Pennsylvania Department of Environmental Protection
Southwest Regional Office
Department of Oil and Gas
400 Waterfront Drive
Pittsburgh, Pennsylvania 15222

If you do not submit comments by the end of the comment period, PADEP will assume that there are no substantive conflicts and proceed with the normal application review process.

Sincerely,

CIVIL & ENVIRONMENTAL CONSULTANTS, INC.


Joshua A. Magargee, P.E.
Project Manager


Michael J. Sheleheda, P.E.
Vice President

JAM:MJS/hm
Enclosures

L-191983Jul22/P



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

OFFICIAL USE ONLY	
ID #	_____
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) Weimer	First Name Branden	MI	Telephone No. (412) 865-3140
Organization Name or Registered Fictitious Name Chevron Appalachia, LLC			Telephone No.
DEP Client ID No.			
Headquarters Mailing Address 700 Cherrington Parkway	City Coraopolis	State PA	ZIP Code 15108
Email Address bweimer@chevron.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, 206 Rush Run Road, East Millsboro, PA 15433

Site Name

Porter Well Pad B

Site Location

The project is located at 208 Rush Run Road approximately 150 feet north of the intersection of Rush Run Road and Haines School Road located in Luzerne Township, Fayette County, Pennsylvania.

Site No. (if another permit has been issued for the site)

Site Location – City

East Millsboro

State

PA

ZIP Code

15433

Detailed Written Directions to Site

From Pittsburgh: Take I-376 West to I-79. At the interchange, take I-79 South towards Washington, Pennsylvania for approximately 20 miles. At the I-70 interchange, take I-70 East. Follow I-70 East for approximately 20 miles. Take Exit 37A to merge onto PA 43 South toward California. Follow PA 43 South for approximately 9 miles. Take Exit 26 toward Brownsville/Republic, then turn right onto T601/Telegraph Road. Take the first right to stay on Telegraph Road and continue for approximately 1.75 miles. Turn left onto Rush Run Road, and travel approximately 0.8-mile. The site is located on the right.

Primary Location

County
Fayette

Municipality
Luzerne

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? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| 2. Will the project in which the well pad will be constructed be in or on a floodplain? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| 3. Is any earth disturbance located or proposed to be located on land known to be contaminated by the release of regulated substances as defined in Section 103 of Act 2, 35 P.S. § 6026.103? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| 4. Will naturally occurring geologic formations or soil conditions provide hazards to the project or surrounding environment or have the potential to cause or contribute to pollution when disturbed? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 5. Do any unresolved non-compliance issues exist with the applicant or the facility? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| 6. Is the project a transmission project? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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?	<input type="checkbox"/> Yes <input type="checkbox"/> No
2. Are E&S and PCSM/Site Restoration Plan drawings and narrative prepared and sealed by a licensed professional? <i>(Include interim restoration details when needed)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No
3. Include a Resource Delineation Report and answer the following questions: (If the answer to question a. is "Yes" then skip to #4. If the answer to a. is "No" the applicant must answer "Yes" to at least one of the questions, b. through d. to be eligible for expedited review.)	
a. Were all wetland resources delineated during the growing season?	<input type="checkbox"/> Yes <input type="checkbox"/> No
b. If not during the growing season, was a follow-up visit conducted during the growing season to verify/adjust boundaries and look for potentially missed resources?	<input type="checkbox"/> Yes <input type="checkbox"/> No
c. Was a quality assurance field review conducted at a later date by an independent qualified wetland professional to verify boundaries and look for potentially missed resources? (If yes, attach Quality Assurance Field Review Report)	<input type="checkbox"/> Yes <input type="checkbox"/> No
d. Was a Jurisdictional Determination (JD) or Preliminary JD conducted by the US Army Corps of Engineers on the whole project? (If yes, attach Preliminary or Jurisdictional Determination Report)	<input type="checkbox"/> Yes <input type="checkbox"/> No
4. If applicable, have you included PNDI clearance letters or other documentation from applicable resource agencies?	<input type="checkbox"/> Yes <input type="checkbox"/> No
5. If the project site contains, is along, or within 100 feet of a river, stream, creek, lake, pond or reservoir, will you establish new or preserve existing riparian forest buffer at least 100 feet in width between the top of streambank or normal pool elevation of a lake, pond or reservoir and areas of earth disturbances. If no, will a waiver be obtained? <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
6. Name of Licensed Professional	
Company	
Address	
Phone	

SECTION E. PROJECT INFORMATION

1. Total Project Area/Project Site (Ac):	23.6	Total Disturbed Area (Ac):	14.2
Increased disturbed acreage (for permit modification only)			
Fee: (For additional information regarding fees, refer to NOI Instructions #3 Permit NOI Filing Fees.)			\$ 1,900

2. Project Name: Porter Well Pad B

3. Project Type (Check all that apply)
- | | |
|---|---|
| <input checked="" type="checkbox"/> Oil/Gas Well ¹ | <input type="checkbox"/> Transmission Facility |
| <input type="checkbox"/> Gathering Facility | <input type="checkbox"/> Processing Facility |
| <input type="checkbox"/> Treatment Facility | <input type="checkbox"/> Well Development Impoundment |
| <input type="checkbox"/> Compressor Station | <input type="checkbox"/> Non-FERC regulated Transmission Facility |
| <input type="checkbox"/> Pipeline | <input type="checkbox"/> Ground/Surface Water Withdrawal Site |
| <input type="checkbox"/> Storage Field Facility | |
| <input type="checkbox"/> Other | |

¹ If Oil/Gas Well, is the well conventional or unconventional? Conventional Unconventional

Project Description
 Chevron proposes to construct an approximate 4.0-acre permanent gravel well pad for natural gas exploration purposes located off of Rush Run Road, approximately 0.5-mile north of the intersection of Rush Run Road and Heistersburg Road in Luzerne Township, Fayette County, Pennsylvania. The well pad will be accessed by a 24-foot-wide permanent gravel roadway, which will extend from Rush Run Road approximately 850 feet into the site. Additional areas for temporary debris storage, soil stockpile, staging, and stormwater management areas are provided as part of the site design.

Provide the date of pre-application meeting (if conducted with the Department)

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.

Latitude (DD) 39.976089 Longitude (DD) - 79.947444
 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 Carmichaels
 (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. Pasture/Open meadow, and utility rights-of-way
8. Other Pollutants: Will the stormwater discharge contain pollutional substances other than sediment? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, explain and provide any available quantitative data.
9. Will fuels, chemicals, solvents, other hazardous waste or materials be used or stored on site during earth disturbance activities or will Horizontal Directional Drilling (HDD) activities be conducted? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If yes, Preparedness, Prevention and Contingency (PPC) Plan must be maintained on site during earth disturbance. See NOI Instructions, E.9 PPC Plan Guidance for further information.)</i>
10. Is the project in the watershed of an impaired surface water where the cause of the impairment is identified as siltation? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> <i>(If yes, show how the project will not result in a net change in volume, rate or water quality. See section I below, and E.10 of NOI instructions.)</i>
11. Are there potentially hazardous naturally occurring geological or soil conditions in any portion of the project or surrounding area? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, do the potentially hazardous geologic or soil conditions have the potential to cause or contribute to pollution as a result of the proposed earth disturbance activities? Yes, there is potential for encountering carbonaceous shale pockets during site excavations. The Geotechnical Report for the project is provided in Section 12. If no, provide an explanation. If yes, Geologic Hazard Mitigation Plan must be attached and explain where in this application details are provided.
12. Has the Act 14 Municipal Notification and proof of receipt of notification been attached to the NOI? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If not, the NOI is not complete, see E.12 and #4 Municipal Notification in the NOI Instructions for additional guidance.)</i>
13. Has the PNDI receipt been attached to the NOI? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <i>(If not, the NOI is not complete, see E.13 and #5 PNHP in the NOI Instructions for additional guidance.)</i>
14. Have the E&S Plan and PCSM/SR Plan been planned and designed to be consistent? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
15. Have existing and/or proposed Riparian Forest Buffers been identified? Yes <input type="checkbox"/> N/A <input checked="" type="checkbox"/> <i>(If yes, they must be shown on the E&S Plan as well as the PCSM/SR Plans.)</i>
16. Have antidegradation implementation requirements for special protection waters been addressed? Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> <i>(If yes, antidegradation requirements must be included in the plan.)</i>
17. Has the seasonal high groundwater level been identified and 20-inch separation established at all excavation locations for pits for conventional operations and Well Development Impoundments for unconventional operations? Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>

<p>18. Receiving Waters</p> <p><u>UNT 1 to Rush Run</u></p> <p><u>UNT 3 to Tributary 40252 to Rush Run</u></p> <p>_____</p> <p>_____</p>	<p>Chapter 93, Designated Use Stream Classification</p> <p><input type="checkbox"/> HQ <input type="checkbox"/> EV <input checked="" type="checkbox"/> Other <u>WWF</u></p> <p><input type="checkbox"/> Siltation-impaired</p> <p><input type="checkbox"/> HQ <input type="checkbox"/> EV <input checked="" type="checkbox"/> Other <u>WWF</u></p> <p><input type="checkbox"/> Siltation-impaired</p> <p><input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____</p> <p><input type="checkbox"/> Siltation-impaired</p> <p><input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____</p> <p><input type="checkbox"/> Siltation-impaired</p>	<p>Chapter 93, Existing Use Stream Classification</p> <p><input type="checkbox"/> HQ <input type="checkbox"/> EV <input checked="" type="checkbox"/> Other <u>WWF</u></p> <p><input type="checkbox"/> Siltation-impaired</p> <p><input type="checkbox"/> HQ <input type="checkbox"/> EV <input checked="" type="checkbox"/> Other <u>WWF</u></p> <p><input type="checkbox"/> Siltation-impaired</p> <p><input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____</p> <p><input type="checkbox"/> Siltation-impaired</p> <p><input type="checkbox"/> HQ <input type="checkbox"/> EV <input type="checkbox"/> Other _____</p> <p><input type="checkbox"/> Siltation-impaired</p>
<p>Secondary Receiving Water Monongahela River</p>	<p>Secondary Chapter 93, Designated Use WWF</p>	<p>Secondary Existing Use WWF</p>
<p>Name of Municipal or Private Separate Storm Sewer Operator, if applicable. N/A</p>		
<p>Non-Surface Receiving Water: (include off-site discharges) N/A</p>		

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.

Rock Construction Entrance: shall be installed wherever it is anticipated construction traffic will enter/exit the project site onto a roadway, either public or private.

Compost Filter Sock (CFS): shall be used to control runoff from disturbed areas when it is in the form of sheet flow, and discharge is to a stable area.

Erosion Control Blankets: shall be installed on slopes that are 3H:1V or steeper and where potential exists for sediment pollution to contaminate receiving surface waters.

Pumped Water Filter Bag: shall be utilized when accumulated water is needed to be pumped from the site. Pumping of water shall be pumped through a pumped water filter bag onto a well-vegetated grassy area prior to discharge offsite.

Riprap Aprons: shall be installed at the outlet of proposed channels and/or culverts to reduce the runoff velocity allowing for stable discharge.

Diversion Berm: shall be installed to direct runoff to sediment basin in a non-erosive, controlled manner.

Sediment Basin: shall be installed to control runoff from an appropriate upgradient drainage area where typical sediment barriers (e.g., compost filter sock) will not be adequate. Site runoff is conveyed to the sediment basin via channels or diversions, allowed to settle, and is discharged to a stable area.

Temporary Vegetative Stabilization: shall be used as a temporary method for stabilizing exposed soils that are not subject to construction traffic or where construction traffic has ceased for more than four days. Temporary Vegetative Stabilization shall be used on stockpiled soil materials.

Permanent Vegetative Stabilization: shall be used as a permanent Erosion and Sediment Control (E&S) method for areas in which construction has been completed.

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.

The principal source of thermal impacts is related to the proposed vegetation disturbance and the construction of the permanent gravel well pad and access road and the asphalt paved entrance. Thermal impacts from the permanent well pad and access road will be minimized by the use of two (2) stormwater wet ponds and one (1) retentive grading berm to promote water quality and by discharging runoff through vegetated areas prior to reaching surface waters. Additionally, site areas disturbed during construction will be restored as soon as practicable to meadow-good condition to reduce the effects of thermal impacts on the surface waters. Likewise, vegetation and woods removal will be limited to the extent practicable. Further, maintaining existing tree canopies will limit ground surface exposure to direct sunlight.

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.

SECTION G. RIPARIAN BUFFER

1. Will you be protecting, converting or establishing a voluntary riparian forest buffer as part of this project? Yes No
If yes, as part of the PCSM/SR Plan, provide a Buffer Management Plan.

2. Will proposed earth disturbance activities be conducted in an EV or HQ watershed AND within 150 feet of a perennial or intermittent river, stream, or creek, or lake, pond, or reservoir? Yes No

If no, proceed to the next section/module.

3. Does this project qualify for an exception (see § 102.14(d)(1))? Yes No

If yes, indicate below the type of project for which the exception applies by marking the appropriate box.

- Oil and gas activities for which site reclamation or restoration is part of the permit authorization in Chapter 78 and 78a.
- Road maintenance activities.
- The repair or maintenance of existing pipelines and utilities.
- Other (see §102.14(d)(1))

If exceptions are checked, explain how existing riparian buffer will be undisturbed to the extent practicable. Provide a demonstration that the requirements of §102.14(b) are met, or provide the necessary information to request a riparian buffer waiver.

4. Are you requesting a riparian buffer waiver for this project (see § 102.14(d)(2))? Yes No

If yes, indicate below the type of project for which you are requesting a waiver by marking the appropriate box.

- Linear project that may include pipelines, public roadways, rail lines, or utility lines.
- Project is of a temporary nature where the site will be fully restored to its preexisting conditions during the ESCGP permit term.
- Project where compliance with mandatory riparian buffers is not appropriate or feasible due to site characteristics or existing structures at the project site.
- Other (see §102.14(d)(2)):

If waivers are checked, explain how existing riparian buffers will be undisturbed to the extent practicable.

Note: If "Yes" to #2 AND "No" to #3 and #4, provide an attachment to demonstrate how the requirements of §102.14 are met.

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

See NOI Instructions for additional guidance with PCSM Plans

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

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

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

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

EXAMPLE

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

Act 167 Consistency. Check those that apply.

Is there an Act 167 Plan? Yes No

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

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

Act 167 Plan Name	Date Adopted	Consistency Letter Included	<input type="checkbox"/>
Fayette County Act 167 Plan	September 2010	Verification Report Included	<input checked="" type="checkbox"/>

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.

- 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.
- 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].
- 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.

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.

The principal source of thermal impacts is related to the proposed vegetation disturbance and the construction of the permanent gravel well pad and access road and the asphalt paved entrance. Thermal impacts from the permanent well pad and access road will be minimized by the use of two (2) stormwater wet ponds and one (1) retentive grading berm to promote water quality and by discharging runoff through vegetated areas prior to reaching surface waters. Additionally, site areas disturbed during construction will be restored as soon as practicable to meadow-good condition to reduce the effects of thermal impacts on the surface waters. Likewise, vegetation and woods removal will be limited to the extent practicable. Further, maintaining existing tree canopies will limit ground surface exposure to direct sunlight.

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.

Discharge of stormwater associated with this project will occur on the properties where the site is located. Thus, there are no off-site discharges proposed.

The proposed permanent access road and well pad utilize conveyance channels and culverts to convey runoff from the well pad and access road in a controlled manner. Conveyance channels and culverts (including the proposed wet pond outfalls) will outlet onto riprap aprons, which have been designed in accordance with the PADEP E&S Manual to reduce the velocity of runoff in an effort to reduce the potential for erosion.

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: Drainage Area 1 (POI 1)

Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>2.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)			
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs			
Volume of stormwater runoff (acre-feet) with planned stormwater BMPs			
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour			
2) 10-Year/24-Hour			
3) 50-year/24-Hour			
4) 100-year/24-Hour			

Watershed Name: Drainage Area 2 (POI 2)

Volume Control design storm frequency <u>2-year</u> Rainfall amount <u>2.40</u> inches	Pre-construction	Post Construction	Net Change
Impervious area (acres)			
Volume of stormwater runoff (acre-feet) without planned stormwater BMPs			

Volume of stormwater runoff (acre-feet) with planned stormwater BMPs			
Stormwater discharge rate for the design frequency storm	Pre-construction	Post Construction	Net Change
1) 2-Year/24-Hour			
2) 10-Year/24-Hour			
3) 50-year/24-Hour			
4) 100-year/24-Hour			

f. Summary Description of PCSM/SR BMPs

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

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

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

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

BMP	Function(s)	Purpose(s)	Volume of stormwater treated	Acres treated
Site Restoration ONLY <input type="checkbox"/> Restore Site to Meadow in Good Condition or Better, or Existing Conditions	Infiltration/Recharge Detention/WQ Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____	_____
Bio-infiltration areas <input type="checkbox"/> Infiltration Trench <input type="checkbox"/> Infiltration Bed <input type="checkbox"/> Infiltration Basin <input type="checkbox"/> Rain Garden/ Bioretention <input type="checkbox"/> Infiltration Berm	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____
Natural Area Conservation <input type="checkbox"/> Streamside Buffer Zone <input type="checkbox"/> Wetland Buffer Zone <input type="checkbox"/> Sensitive Area Buffer Zone <input type="checkbox"/> Pre-Construction Drainage Pattern Intact	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____

Stormwater Retention <input type="checkbox"/> Constructed Wetlands <input type="checkbox"/> Wet Ponds <input type="checkbox"/> Retention Basin	Detention/Retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input checked="" type="checkbox"/> VC <input checked="" type="checkbox"/> RC <input checked="" type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Sediment and Pollutant Removal <input type="checkbox"/> Vegetated Filter Strips <input type="checkbox"/> Compost Filter Sock <input type="checkbox"/> Detention Basins	Water Quality Treatment	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____	_____ _____ _____
Access Road Design <input type="checkbox"/> Road Crowning <input type="checkbox"/> Ditches <input type="checkbox"/> Turnouts <input type="checkbox"/> Culverts <input type="checkbox"/> Roadside Vegetated Filter Strips	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____
Stormwater Energy Dissipaters <input type="checkbox"/> Level Spreaders <input type="checkbox"/> Riprap Aprons <input type="checkbox"/> Upslope Diversions <input type="checkbox"/> Other _____	Infiltration/Recharge	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ <input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ	_____ _____ _____ _____	_____ _____ _____ _____

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.

The critical stages of implementation of the PCSM Plan include the installation of the two (2) wet pond/retention basins and the one (1) retentive grading berm BMPs. Periodic inspections by the licensed professional engineer or designee will be required during construction of those facilities, specifically during embankment and outlet structure installation.

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)

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)

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

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.

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

SECTION J. COMPLIANCE HISTORY REVIEW

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

Yes No

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

Permit Program or Activity: _____ Permit Number (if applicable): _____
Brief Description of non-compliance: _____

See attached summary list of violations in Appendix A.

Steps taken to achieve compliance

Date(s) compliance achieved

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 Joshua A. Magargee, P.E.	Signature	Professional Seal	
Company Civil & Environmental Consultants, Inc.			
Address 4000 Triangle Lane, Suite 200, Export, PA 15632			
Phone 724-327-5200			
Most Recent DEP Training Attended	Location		Date
ESCGP-3 Training	Pittsburgh, PA		October 2018
e-Mail Address <u>imagargee@cecinc.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 Chevron Appalachia, 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 _____ 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 Chevron Appalachia, LLC
Entity name

Branden Weimer – Senior Permitting Advisor
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 _____

My Commission expires _____

Notary Public

AFFIX SEAL

SECTION M. ADDITIONAL CONTACT INFORMATION			
Contact's Last Name	First Name	MI	Phone 724-327-5200
Magargee	Joshua		FAX 724-327-5280
Mailing Address	City	State	ZIP + 4
4000 Triangle Lane, Suite 200	Export	PA	15632
e-Mail Address jmagargee@cecinc.com			

Summary of Bio-Infiltration BMPs

Proposed Structural bio-infiltration BMPs (site specific)	Infiltration Information				Drainage Information			BMP Information						
	Measured Infiltration Rate ¹ (in./hr)	Factor of safety (min. of 2)	Design Infiltration rate (in./hr)	De-watering time ² (hr)	Elevation of limiting zone-water table bedrock, etc. ³	Total drainage area to BMP (sq. ft)	Total impervious drainage area to BMP (sq. ft)	Infiltration BMP Surface area (sq. ft)	Volume of runoff tributary to BMP during the 2-yr/24 hr design storm ⁴ (cf)	Calculated removed volume (cf)	Maximum water surface elevation in BMP from 2-yr storm ⁶	Infiltration elevation bottom of bed/basin ⁶	Elevation of infiltration test ⁷	Elevation of E&S sediment basin bottom (if applies)

All information should be based on the 2-yr/24-hr storm.

Provide page numbers from the stormwater narrative identifying the location of the above information.

- ¹The infiltration testing information should be located on the plan view of the PCSM plan and should include infiltration test elevation and rate
- ²Can include active infiltration time-dewatering time should not exceed 72 hours after the 2-yr/24-hr storm
- ³Depth to limiting zone is recommended to be at least 2 ft below infiltration
- ⁴The value should be greater than or equal to the volume to be infiltrated or managed by the BMP
- ⁶A maximum of 2 ft hydraulic head is recommended
- ⁷Provide supporting field notes/documentation from soil evaluation

Any deviation from the recommendations above should be adequately justified by a qualified professional and included with the application.

Note: This chart is for summary purposes only and should be consistent with all design calculations and worksheets.