



pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION



Oil and Gas Management

ESCGP-3

DEP Office of Oil and Gas Management Training

September 27, 2018

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Tom Wolf, Governor

Patrick McDonnell, Secretary



Oil and Gas Management

ESCGP-2 to ESCGP-3 Notice of Intent (NOI) Form and Instructions

PUBLIC RESOURCES

EROSION AND SEDIMENT CONTROL GENERAL PERMIT FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR TRANSMISSION FACILITIES (ESCGP-3)

On July 14, 2018 the Department published the notice of availability of the draft Erosion and Sediment Control General Permit for formal public comment, which is available on [the PA Bulletin](#). The formal public comment period on this Authorization of Coverage is open until Monday, August 13. Directions for submitting public comments are in the Bulletin notice, and comments may be submitted through the Department's [eComment system](#). Updated draft versions of the following documents associated with ESCGP-3 are now available for review at the links provided below:

- [the ESCGP-3 Transition Plan \(PDF\)](#),
- [the Notice of Intent \(NOI\) for Coverage under the Erosion and Sediment Control General Permit \(ESCGP-3\) \(PDF\)](#),
- [The Instructions for the Notice of Intent \(NOI\) for Coverage under the Erosion and Sediment Control General Permit \(ESCGP-3\) \(PDF\)](#), and the
- [Notice of Intent \(NOI\) Administrative Completeness Checklist \(PDF\)](#).

RELATED INFORMATION

- ABANDONED AND ORPHAN WELL PROGRAM
- ADVISORY COMMITTEES
- ANNUAL REPORT
- CONSERVATION LAW
- CONTACTS AND DIRECTIONS
- ELECTRONIC SUBMISSION GUIDES
- FORMS

General Information

- Oil and gas activities that involve five (5) acres or more of earth disturbance
- Must use the most up-to-date NOI authorization package
- Submit NOI Checklist along with NOI
- 60-days to resolve any issues with the NOI application
- A well permit is required prior to construction of the well site
- Applicant must obtain written acknowledgement of coverage under ESCGP-3 from DEP or CD
- Must invite DEP or CD for Preconstruction Meeting

ESCGP-2 NOI vs ESCGP-3 NOI

- New Expedited Review Section
- Alternative BMPs not approved by DEP cannot be used.
- Combined PCSM/SR Section/Module
 - Options for multiple stages of PCSM
 - Submit Water Quality worksheets along with NOI
 - Submit Infiltration summary table for each bio-infiltration BMP
- New Riparian Buffer section/module

Application Type

- New Section
- 'Applicant information' section of ESCGP-2 divided into
 - Application Type
 - Client Information
- Select appropriate application type and type of review

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

Client and Site Information

- Mostly eFACTS Information
- Site Name: Do not use abbreviations, acronyms, etc.
- Site Location: PO Box Numbers will not be accepted for site location information
- Detailed Written Directions to Site : Do not use PO Box address data. If 911 address is available, then written direction is optional.
- County and Municipality: Primary location is based on the area where the greatest amount of earth disturbance occurs.

Expedited Review

Expedited Review Eligibility

1. Special Protection and Siltation-Impaired Watersheds
2. Floodplains
3. Contaminated Land
4. Hazardous Geologic Formations and Soil Conditions
5. Existing Compliance Issues
6. Transmission Facilities

Expedited Review

Expedited Review Process

1. NOI Package prepared by an appropriate licensed professional.
2. E&S, PCSM/SR plans sealed by an appropriate licensed professional
3. Resource Delineation information
4. PNDI Clearance from resource agency
5. Riparian Forest Buffer requirements
6. Licensed professional information

Project Information

SECTION E. PROJECT INFORMATION					
1. Total Project Area/Project Site (Ac):		Total Disturbed Area (Ac):			
Increased disturbed acreage (for permit modification only)					
Fee: (For additional information regarding fees, refer to NOI Instructions #3 Permit NOI Filing Fees.)					\$
2. Project Name:					
3. Project Type (Check all that apply)					
<input type="checkbox"/> Oil/Gas Well ¹	<input type="checkbox"/> Transmission Facility	<div style="border: 2px solid orange; padding: 5px;"> <p style="color: red; margin: 0;">Deleted Centralized Wastewater Impoundment</p> <p style="color: red; margin: 0;">Renamed Centralized Fresh Water Impoundment to Well Development Impoundment</p> <p style="color: red; margin: 0;">Added Compressor stations, Storage Field Facilities, Non-FERC Regulated Transmission Facility</p> <p style="color: red; margin: 0;">Replace Water Pipeline with Pipeline</p> <p style="color: red; margin: 0;">Identify the type - Aboveground, buried, temporary and/or permanent</p> <p style="color: red; margin: 0;">Identify the materials to be transported in the pipeline</p> </div>			
<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					
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) .		Longitude (DD) - .		<p style="color: red; margin: 0;">GPS coordinates - format changed to decimal degrees</p>	
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					
(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

New Line items

New Line item

Project Information

7. List existing and previous land use for a minimum of the previous 5 years. <input type="text"/>
8. Other Pollutants: Will the stormwater discharge contain pollutional substances other than sediment? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, explain and provide any available quantitative data. <input type="text"/>
9. Will fuels, chemicals, solvents, other hazardous waste or materials be used or stored on site during earth disturbance activities? Yes <input 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 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 type="checkbox"/> No <input type="checkbox"/> If yes, do the potentially hazardous geologic or soil conditions have the potential to cause or contribute to pollution as a result of the proposed earth disturbance activities? If no, provide an explanation. If yes, Geologic Hazard Mitigation Plan must be attached and explain where in this application details are provided.
12. Has the Act 14 Municipal Notification and proof of receipt of notification been attached to the NOI? Yes <input type="checkbox"/> No <input type="checkbox"/> <i>(If not, the NOI is not complete, see E.13 and #4 Municipal Notification in the NOI Instructions for additional guidance.)</i>
13. Has the PNDI receipt been attached to the NOI? Yes <input type="checkbox"/> No <input type="checkbox"/> <i>(If not, the NOI is not complete, see E.14 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 type="checkbox"/> No <input type="checkbox"/>
15. Have existing and/or proposed Riparian Forest Buffers been identified? Yes <input type="checkbox"/> N/A <input type="checkbox"/> <i>(If yes, they must be shown on the E&S Plan as well as the PCSM/SR Plans.)</i>
16. Have antidegradation implementation requirements for special protection waters been addressed? Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> <i>(If yes, antidegradation requirements must be included in the plan.)</i>
17. Has the seasonal high groundwater level been identified and 20-inch separation established at all excavation locations for pits for conventional operations and Well Development Impoundments for unconventional operations? Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>

1. Added 78a and 78 reference to PPC plan section of NOI instruction
2. Edited language related to naturally occurring Geologic Formations or soil conditions
3. Deleted Thermal impact question
4. Added Act 14 question
5. Added PNDI question
6. Deleted Riparian Buffer Waiver question

Project Information

<p>18. Receiving Waters</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>	<p>Chapter 93, Designated Use Stream Classification</p> <p>HQ EV Other ____</p> <p>Siltation-impaired</p> <p>HQ EV Other ____</p> <p>Siltation-impaired</p> <p>HQ EV Other ____</p> <p>Siltation-impaired</p> <p>HQ EV Other ____</p> <p>Siltation-impaired</p>	<p>Chapter 93, Existing Use Stream Classification</p> <p>HQ EV Other ____</p> <p>Siltation-impaired</p> <p>HQ EV Other ____</p> <p>Siltation-impaired</p> <p>HQ EV Other ____</p> <p>Siltation-impaired</p> <p>HQ EV Other ____</p> <p>Siltation-impaired</p>
<p>Secondary Receiving Water</p>	<p>Secondary Chapter 93, Designated Use</p>	<p>Secondary Existing Use</p>
<p>Name of Municipal or Private Separate Storm Sewer Operator, if applicable.</p>		
<p>Non-Surface Receiving Water: (include off-site discharges)</p>		

Project Information



DEP > Data and Tools > GIS

GEOGRAPHIC INFORMATION SYSTEMS (GIS) MAPPING TOOLS

[OPEN DATA PORTAL](#)



PA DEP's GIS open data portal provides access to all of our publicly published, non-sensitive GIS data, which includes over 300 data layers relative to abandoned mine lands, air quality, water pollution control, coal mining, hazardous waste, operations, oil & gas, streams and lakes, industrial minerals mining, integrated report, municipal waste, radiation, storage tanks, stormwater, Chapter 93, TMDLs, water resources, and more! Select a category by clicking on the data topics to the left or right or use the search tool above to discover our data

RELATED INFORMATION

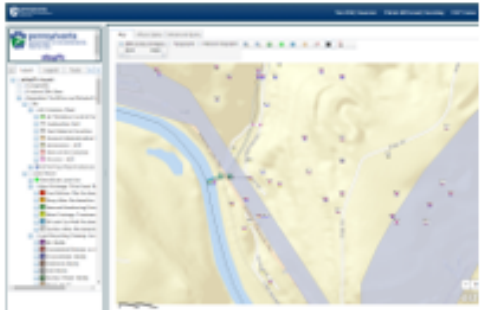
[GIS](#)

[REPORTS](#)

[TOOLS](#)

Project Information

eMAP PA



eMapPA is a GIS based display of environmental contractors and the over 50 map layers and demographics, transportation network buffering, and address matching are available for C

2016 INTEGRATED WATER QUALITY REPORT MAP VIEWER



This interactive web mapping application shows the locations of streams in Pennsylvania, which corresponds to the 2016 Water Quality Monitoring and Assessment Report. It allows the user to see the impairment sources and causes, the TMDL information, the stream names, and much more. The user can print or export the information into a pdf. The user can

WAVE TOOL



WAVE is the GIS based website related resources within the Com results, Internet Explorer should

Erosion and Sediment Control (E&S) Plan

- E&S BMPs included in the E&S Plan must be designed in accordance with
 - E&S manual or
 - Alternate BMP or design standards already approved by the DEP

Note: List of alternative BMPs that have been reviewed by DEP

http://files.dep.state.pa.us/Water/BNPNSM/StormwaterManagement/ConstructionStormwater/Reviewed_Alternative_BMPs.pdf

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

- Deleted Riparian Buffer information, but applicant can provide details of Riparian buffer information which differs from what was submitted in the Riparian Buffer Module.
- Added Offsite Discharge section.
 - Must demonstrate that the discharge will not cause erosion, damage, or a nuisance to off-site properties.

PCSM/SR Plan

- PCSM/SR BMPs included in the PCSM/SR Plan must be designed in accordance with
 - *Pennsylvania Stormwater Best Management Practices Manual (Stormwater BMP Manual)* or
 - Alternate BMP or design standards already approved by the DEP

Note: List of alternative BMPs that have been reviewed by DEP

http://files.dep.state.pa.us/Water/BNPNSM/StormwaterManagement/ConstructionStormwater/Reviewed_Alternative_BMPs.pdf

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

- **Stages of PCSM**
 - New provision to submit details of different stages of PCSM if the entire disturbed area will not be restored to meadow in good condition or better, or existing conditions

PCSM/SR Plan

- **Water Quality Compliance**

- If volume reduction is achieved and at least 90% of the disturbed area is controlled by a BMP – Attach Worksheet #10
- If volume reduction is achieved and but 90% of the disturbed area is not controlled by a BMP – Attach Worksheets #12 and #13
- If volume reduction is not achieved – Attach Worksheets #11, #12 and #13

- **Summary Description of PCSM/SR BMPs**

- A summary table with infiltration testing information must be submitted for all Bio-infiltration BMPs
- Appendix E- Infiltration Summary table template

ATTACHMENT E

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 2yr/24 hr design storm ⁴ (cf)	Calculated removed volume ⁵ (cf)	Maximum water surface elevation in BMP from 2yr 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

⁵Calculated removed volume

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.

Riparian Buffer & Antidegradation Analysis

Riparian Buffer

- New Section G
- Reduce redundancy
- No change in requirements

Antidegradation Analysis

- No new requirements
- Prefer Nondischarge alternative BMPs in E&S and PCSM plans
- If not ABACT BMPs for E&S and PCSM Plans

Compliance History Review & Certifications

- List the violations of any Permits issued by DEP or have been in violation of any regulated activities for past 5 years
 - Authorization of Coverage will be issued after a Compliance review by the Department staff.
- Certification by Person Preparing E&S and PCSM/SR Plans
 - Person responsible for preparing the E&S and PCSM/SR Plans must complete this section
 - Expedited review: Licensed professional is responsible for complete permit NOI package, including the E&S and PCSM/SR Plans
- Applicant Certification
 - Format changed – consistent with PAG-02

Changes to Draft NOI

- Expedited review
 - Added Siltation impaired watershed
 - Deleted Highly erodible soil conditions
- Removed PHMC notification requirement



Oil and Gas Management

ESCGP-3

New and Revised Office of Oil and Gas Management Forms

ESCGP-3

NEW FORM: TRANSFEREE/CO-PERMITTEE

- Transferee/Co-permittee Application: 8000-PM-OOGM0009
 - Based on the BWEW form No. 3150-PM-BWEW0228: Transferee/Co-permittee application for NPDES permits



TRANSFEREE/CO-PERMITTEE APPLICATION FORM FOR AN EROSION AND SEDIMENT CONTROL GENERAL PERMIT (ESCGP) FOR EARTH DISTURBANCE ASSOCIATED WITH OIL AND GAS EXPLORATION, PRODUCTION, PROCESSING, OR TREATMENT OPERATIONS OR TRANSMISSION FACILITIES INSTRUCTIONS

The following instructions are designed to assist the applicant in properly completing the *Transferee/Co-Permittee Application Form for an Erosion and Sediment Control General Permit (ESCGP) for Earth Disturbance Associated with Oil and Gas Exploration, Production, Processing, or Treatment Operations or Transmission Facilities*, permit 8000-PM-OOGM0009. Please type or print clearly when completing the form. If the information requested involves more than the space allows, copy the appropriate page of the form, and append additional required information.

This form may be used by an applicant seeking to apply for either complete or partial operational control of earth disturbance activities at a site that are already authorized by an ESCGP. An operator is a person who meets either of the following criteria: 1) has operational control of construction project plans and specifications, including the ability to make modifications to those plans and specifications; OR 2) has day-to-day operational control (supervision) of those activities at the project that are necessary to ensure compliance with the Erosion and Sediment Control Plan (E&S Plan) for the site or ensure compliance with other permit conditions, (i.e., general contractors). Subcontractors generally do not have supervisory control over earth disturbance activities and therefore usually should not become a permittee or co-permittee. If prior to construction activities, there is no operator, the owner must apply for the permit. Once the operator has been selected, the operator must use this application either to be made a co-permittee or to have the permit transferred to the contractor. **Failure of the operator to be added to the permit is a violation of federal and state law and regulation.**

This application must be filed at least 30 days prior to the proposed change of ownership and/or operational control that will result in the transfer of permit responsibility, coverage, and liability.

ESCGP-3

NEW FORM: CO-PERMITTEE LIABILITY RELEASE

- Co-permittee Liability Release: 8000-PM-OOGM0160
 - Based on BCW form No. 3800-FM-BCW0271
- Instructions revised according to the new form

REVISED FORMS

- Post Drilling Well Site Restoration Report: 8000-FM-OOGM0152U
- Post Plugging Well Site Restoration Report: 8000-FM-OOGM0075U
- Post Drilling Landowner Waiver of Well Site Restoration: 8000-FM-OOGM0149U

ESCGP-3

REVISED FORMS

- Post Plugging Landowner Waiver of Well Site Restoration: 8000-FM-OOGM0155U
- Well Development Impoundment Transfer Form: 8000-FM-OOGM0139U
- All Instruction sets are updated according the revised forms



Oil and Gas Management

ESCGP-3 GIS LAYER PACKAGE



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QUESTIONS ?



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DEPARTMENT OF ENVIRONMENTAL PROTECTION



Oil and Gas Management

PLEASE STAND BY

We will be back shortly