ESCGP-3
DEP Office of Oil and Gas Management Training
September 27, 2018

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Tom Wolf, Governor  Patrick McDonnell, Secretary
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).
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

<table>
<thead>
<tr>
<th>SECTION A. APPLICATION TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check one:</td>
</tr>
<tr>
<td>NEW □ RENEWAL □ MAJOR MODIFICATIONS (Provide ESCGP number) □</td>
</tr>
<tr>
<td>PHASED □ (check only if applicable; note: Most projects are not submitted as phased projects)</td>
</tr>
<tr>
<td>Check one: EXPEDITED □ STANDARD □</td>
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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 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 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)

2. **Fee:** (For additional information regarding fees, refer to NOI Instructions #3 Permit NOI Filing Fees.) $

3. **Project Name:**

4. **Project Type (Check all that apply):**
   - Oil/Gas Well
   - Transmission Facility
   - Gathering Facility
   - Processing Facility
   - Treatment Facility
   - Well Development Impoundment
   - Compressor Station
   - Non-FERC regulated Transmission Facility
   - Pipeline
   - Ground/Surface Water Withdrawal Site
   - Storage Field Facility
   - Other

5. **If Oil/Gas Well; is the well conventional or unconventional?**
   - Conventional
   - Unconventional

6. **Project Description**
   - Provide the date of pre-application meeting (if conducted with the Department)

7. **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):**

8. **Horizontal Collection Method:**
   - GPS
   - Interpolated from U.S.G.S. Topographic Map
   - DEP’s eMAP

9. **U.S.G.S. 7.5 min. topographic quadrangle Name**
   - Include a copy of the project area on the 7.5 min quad map

10. **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.**

<table>
<thead>
<tr>
<th>Phase No. or Name</th>
<th>Description</th>
<th>Total Area</th>
<th>Disturbed Area</th>
<th>Start Date</th>
<th>End Date</th>
</tr>
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</tbody>
</table>

- **Deleted Centralized Wastewater Impoundment**
- **Renamed Centralized Fresh Water Impoundment to Well Development Impoundment**
- **Added Compressor stations, Storage Field Facilities, Non-FERC Regulated Transmission Facility**
- **Replace Water Pipeline with Pipeline**
  - Identify the type - Aboveground, buried, temporary and/or permanent
  - Identify the materials to be transported in the pipeline

**New Line items**

**New Line item**

**GPS coordinates - format changed to decimal degrees**
### Project Information

<table>
<thead>
<tr>
<th>7.</th>
<th>List existing and previous land use for a minimum of the previous 5 years.</th>
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<tbody>
<tr>
<td>8.</td>
<td>Other Pollutants: Will the stormwater discharge contain pollutional substances other than sediment? □ Yes □ No</td>
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<td></td>
<td>If yes, explain and provide any available quantiative data.</td>
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<td>9.</td>
<td>Will fuels, chemicals, solvents, other hazardous waste or materials be used or stored on site during earth disturbance activities? □ 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.)</td>
</tr>
<tr>
<td>10.</td>
<td>Is the project in the watershed of an impaired surface water where the cause of the impairment is identified as siltation? □ Yes □ No (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.)</td>
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<tr>
<td>11.</td>
<td>Are there potentially hazardous naturally occurring geological or soil conditions in any portion of the project or surrounding area? □ Yes □ No</td>
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<td>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?</td>
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<td>If no, provide an explanation.</td>
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<td></td>
<td>If yes, Geologic Hazard Mitigation Plan must be attached and explain where in this application details are provided.</td>
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<td>12.</td>
<td>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.13 and #4 Municipal Notification in the NOI Instructions for additional guidance.)</td>
</tr>
<tr>
<td>13.</td>
<td>Has the PNDI receipt been attached to the NOI? □ Yes □ No (If not, the NOI is not complete, see E.14 and #5 PNHP in the NOI Instructions for additional guidance.)</td>
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<tr>
<td>14.</td>
<td>Have the E&amp;S Plan and PCSM/SR Plan been planned and designed to be consistent? □ Yes □ No</td>
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<tr>
<td>15.</td>
<td>Have existing and/or proposed Riparian Forest Buffers been identified? □ Yes □ N/A (If yes, they must be shown on the E&amp;S Plan as well as the PCSM/SR Plans.)</td>
</tr>
<tr>
<td>16.</td>
<td>Have antidegradation implementation requirements for special protection waters been addressed? □ Yes □ No □ N/A □ (If yes, antidegradation requirements must be included in the plan.)</td>
</tr>
<tr>
<td>17.</td>
<td>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 □</td>
</tr>
</tbody>
</table>

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

### 18. Receiving Waters

<table>
<thead>
<tr>
<th>Chapter 93, Designated Use Stream Classification</th>
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<tr>
<td>HQ</td>
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<table>
<thead>
<tr>
<th>Chapter 93, Existing Use Stream Classification</th>
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### Secondary Receiving Water

<table>
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<th>Secondary Chapter 93, Designated Use</th>
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<tr>
<td>Name of Municipal or Private Separate Storm Sewer Operator, if applicable.</td>
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</table>

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<thead>
<tr>
<th>Secondary Existing Use</th>
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<tr>
<td>Non-Surface Receiving Water: (include off-site discharges)</td>
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</table>
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 wastes, 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 shown to discover our data.
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 I attaining streams in Pennsylvania, which correspond Water Quality Monitoring and Assessment Report. In the user to see the impairment sources and causes, the TMDL information, the stream names, and much more. print or export the information into a pdf. The user ca

WAVE TOOL

WAVE is the GIS based website related resources within the Con 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/BPNPSM/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 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/BPNPSM/StormwaterManagement/ConstructionStormwater/Reviewed_Altimate_BMPs.pdf](http://files.dep.state.pa.us/Water/BPNPSM/StormwaterManagement/ConstructionStormwater/Reviewed_Altimate_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
• **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
## Summary of Bio-Infiltration BMPs

<table>
<thead>
<tr>
<th>Proposed Structural bio-infiltration BMPs (site specific)</th>
<th>Measured Infiltration Rate (in/hr)</th>
<th>Factor of Safety (min. of 2)</th>
<th>Design Infiltration Rate (in/hr)</th>
<th>De-watering Time (hr)</th>
<th>Elevation of Limiting Zone-Water Table Bedrock, etc.</th>
<th>Total Drainage Area to BMP (sq ft)</th>
<th>Total Impervious Drainage Area to BMP (sq ft)</th>
<th>Infiltration BMP Surface Area (sq ft)</th>
<th>Volume of Runoff Tributary to BMP during the 2yr/24 hr Design Storm (cf)</th>
<th>Calculated Removed Volume (cf)</th>
<th>Maximum Water Surface Elevation in BMP from 2yr Storm (ft)</th>
<th>Infiltration Elevation Bottom of Bed/Basin (ft)</th>
<th>Elevation of E&amp;S Sediment Basin Bottom (if applies)</th>
<th>Elevation of infiltration test</th>
</tr>
</thead>
</table>

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.

1. The infiltration testing information should be located on the plan view of the PCSM plan and should include infiltration test elevation and rate.
2. Can include active infiltration time - de-watering time should not exceed 72 hours after the 2-yr/24-hr storm.
3. Depth to limiting zone is recommended to be at least 2 ft below infiltration.
4. The value should be greater than or equal to the volume to be infiltrated or managed by the BMP.
5. Calculated removed volume.
6. A maximum of 2 ft hydraulic head is recommended.
7. Provide 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
ESCGP-3
New and Revised
Office of Oil and Gas Management Forms
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.
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
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
ESCGP-3
GIS LAYER PACKAGE
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QUESTIONS?
PLEASE STAND BY

We will be back shortly