

During this presentation, we will cover:

- The various GP's in Chapter 105
- The GP's that apply to Oil and Gas Activities
- Common Terminology
- Authorizations and Forms
- Waivers
- The applicability of the GP for Oil and Gas Activities...what is needed (when and where)
- Permit Conditions of the GP
- Notification Requirements
- Registration Requirements
- The GP Registration Process (who does what)
- Areas of Concern
- PA State Programmatic General Permit
- Joint Permit (Standard and Small Project)

The GP's

- GP-1 Fish Habitat Enhancement Structures
- GP-2 Small Docks & Boat Launching Ramps
- GP-3 Bank Rehabilitation, Bank Protection & Gravel Bar Removal
- GP-4 Intake and Outfall Structures
- GP-5 Utility Line Stream Crossings
- GP-6 Agricultural Crossing & Ramps
- GP-7 Minor Road Crossings
- GP-8 Temporary Road Crossings
- GP-9 Agricultural Activities
- GP-15 Private Residential Construction in Wetlands

<u>Chapter 105- General Permits most</u> commonly related to Oil and Gas Activities

- GP-4 Intake and Outfall Structures
- GP-5 Utility Line Stream Crossings
- > GP-7 Minor Road Crossings
- GP-8 Temporary Road Crossings

Pennsylvania Natural Diversity Inventory (PNDI) Pennsylvania Natural Heritage Program (PNHP)

Location and status of important ecological resources (plants, vertebrates, invertebrates, natural communities and geologic features).

All searches resulting in a conflict must be resolved prior to a general permit being issued.

The common goal is the conservation of Biodiversity, resource conservation and preservation.

Common Terminology

- PNDI-PNHP
- SLLA
- ACT 14
- Drainage Area
- FEMA Floodway
- Encroachment
- Water Obstruction
- Utility Line
- Watercourse

PNDI Tool Update

Effective July 2, 2012 PNDI receipts and clearance letters issued by the jurisdictional agencies will be valid for two years.

http://www.naturalheritage.state.pa.us/







SLLA

Submerged Lands License Agreement

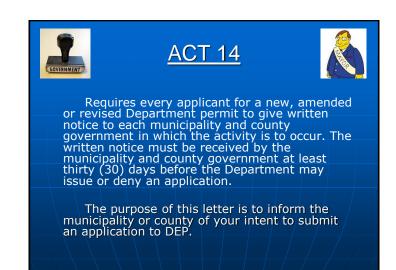
Waters and permanently or periodically inundated lands owned by the Commonwealth (Submerged Lands of the Commonwealth), including lands in the beds of navigable lakes and rivers and beds of streams declared public highways which are owned and held in trust by the Commonwealth.

If applicable, the owner must obtain a SLLA authorizing the occupation.

The SLLA **must be** obtained prior to the utilization of any general permit or in conjunction with an individual Chapter 105 permit.

Drainage area

The drainage area is the total surface area upstream of a point on a stream, where the water from rain or snowmelt which is not absorbed into the ground flows over the ground surface back into streams to finally reach that point on the stream.





FEMA Floodway

Federal Emergency Management Agency

The channel of a watercourse and the adjacent land areas which are required to carry & discharge the 100 year frequency flood.

In areas where there are no FEMA maps or studies, it is assumed that the floodway extends 50' from the top of the bank of the stream.

Water Obstruction

A dike, bridge, culvert, wall, wing wall, fill, pier, wharf, embankment, abutment or other structure located in, along or across or projecting into a watercourse, floodway or body of water.

<u>WATERCOURSE</u>

Any channel or conveyance of surface water having defined bed and banks, whether natural or artificial, with perennial or intermittent flow.





Encroachment

A structure or activity which changes, expands or diminishes the course, current or cross section of a watercourse, floodway or body of water.

examples:

Excavations, fills and or structures in the stream, floodway or body of water (includes obstructions)



UTILITY LINE



Any pipe or pipeline for the transportation of a gaseous, liquid, liquefiable or slurry substance or, any cable, conduit, line or wire for the transmission of electrical energy, telephone, telegraph, radio, or television signals, including cathodic corrosion protection.



Authorizations

Waivers

General Permits (GPs)

 Projects qualify for a GP if they are designed and implemented in accordance with GP's conditions and criteria

PA State Programmatic General Permit (PASPGP-4)

Joint Permit (Standard and Small Project)

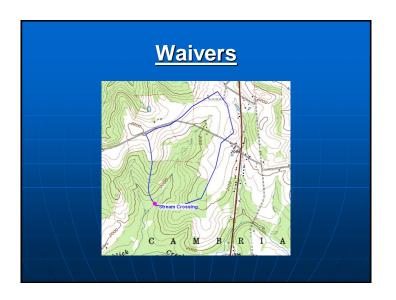
- PA Water Obstruction and Encroachment Permit
- USACOE Section 404 Permit
- if the project does not require the discharge of dredge or fill material and/or the placement of structures in waters an ACOE Section 404 permit may not be required and only Chapter 105 requirements apply.

Waivers

Certain requirements may be waived. However, the activity or structure is still regulated.

These same activities or structures may require a permit, if the Department finds the activity or structure to have a significant effect upon safety or the protection of life, health, property or the environment.

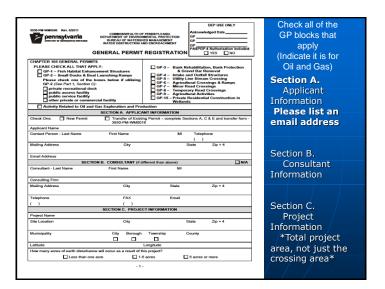
105.12(a)(2) a water obstruction in a stream or floodway with a drainage area of 100 acres or less and no wetland impacts is waived from permit requirements and considered a waived activity (Waiver 2). Waiver 2 activities still may require federal authorization and are reported to the Army Corp of Engineers (ACOE) under the Pennsylvania State Programmatic General Permit (PASPGP-4).



General Permit Registration

- The Department has up to 60 days to process a GP registration form.
- You must receive an acknowledgement of your submitted registration form from the DEP, prior to the start of construction.
- The form number is:

Form 3930-PM-WM0500 Current version: Rev. 6/2011



Section C (continued).

Detailed Directions to the Site

Project Description

- If GP-5, please, indicate "gathering" or "transmission"; the total pipeline size and length
- If GP-7 and 8, describe in detail

Section D.

Compliance Review

• Is the applicant currently in violation of any permits issued by the Dept?

Please provide:

- Permits Numbers
- · Nature of the Violation
- Status of the Violation

Section E. Certification

Original signature of the permittee
Person responsible for the
installation, operation and
maintenance of the authorized
activity.

Section F. Registration Checklist

PNDI

- Completed PNDI Project Planning and Environmental Review Form
- Search Receipt NO Known Impacts
 - Avoidance Measures
 - Potential Impacts & agency coordination

Section F. <u>Registration Checklist</u>

Act 14 Notice (Municipality & County)

Copies of the notification letters and proof of receipt ARE NOT required

- Cumulative Impact screening form
- Location map
- Sketch plan
- Cross section drawings (where reg. GP 5,6,7 & 8)
- Color Photographs

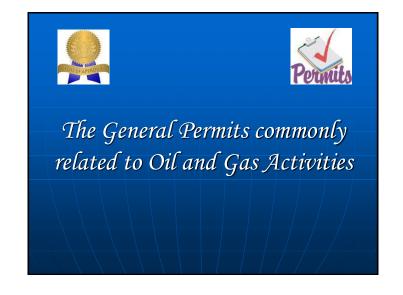
Section F. Registration Checklist

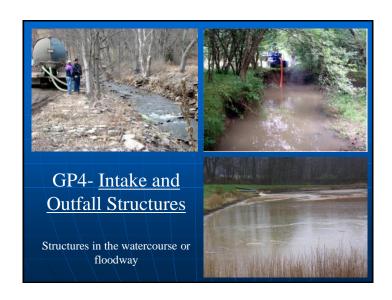
- ✓ Bog Turtle Habitat Screening
 - √ Habitat screening form
 - √ "no effect" determination from the ACOE
 - ✓ Clearance from the US Fish and Wildlife Service
- ✓ Activities which permanently impact wetlands
 - ✓ Delineation with completed data sheets
 - ✓ Impacts > 0.05 acres wetland replacement plan
 - ✓ If on-site is not feasible fee schedule

Section F. Registration Checklist

- Sketch Plan
- Project Cross Sections and Plan Views







GP4- Intake and Outfall Structures Applicability for Use & Conditions

- Watershed drainage can be greater than1 square mile
- Maximum diameter outfall culvert is 36"



GP4- Intake and Outfall Structures NON-Applicability (Can not use for):

- Exceptional Value or High Quality Waters
- Areas of Historic or Archaeological Resources
- Wild or Scenic Rivers
- Natural Landmarks
- Wetlands
- Stocked trout streams
 from March 1st through June 15th
- Wild trout streams from Oct. 1st through Dec. 31st



GP5- Utility Line Stream Crossings Applicability for Use & Conditions

- Watershed drainage can be greater than 1 square mile
- Maximum line diameter is 36"
- 3' of cover (1' of cover if the line is in rock)
- High Quality Waters and below
- Installation of trench plugs (or other adequate measures) must be used in the trench to prevent sedimentation from entering the stream or from dewatering a wetland

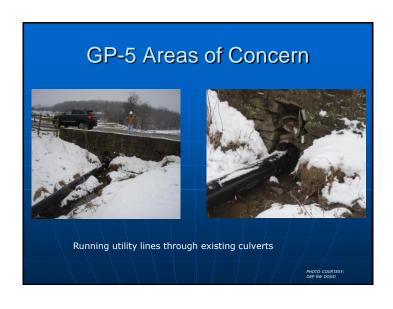




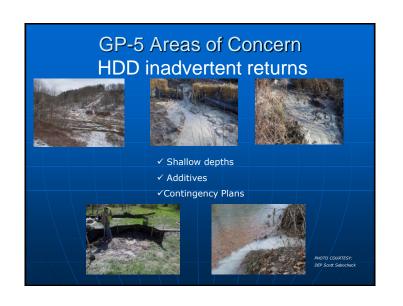


-The owner must also obtain a GP-8 (Temporary Road Crossing) for

construction vehicles crossing at these sites.



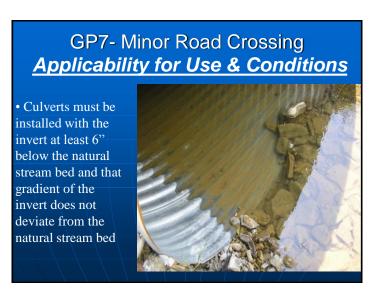
GP5- Utility Line Stream Crossings NON-Applicability (Can not use for): Exceptional Value Waters Areas of Historic or Archaeological Resources Wild or Scenic Rivers Natural Landmarks Threatened or Endangered Species Wetlands greater than 10 acres in size Stocked trout streams from March 1st through June 15th Wild trout streams from Oct. 1st through Dec. 31st Reservoirs







GP7- Minor Road Crossing Applicability for Use & Conditions The construction must be completed within 3 years. If not, the structure must be removed and the watercourse must be restored to the former condition. Crossings are installed at right angles to the stream







- If the watershed drainage is greater than 1.0 square mile
- Exceptional Value Waters (EV)
- Areas of Historic or Archaeological Resources
- Wild or Scenic Rivers
- Natural Landmarks
- Threatened or Endangered Species
- Wetlands crossing greater than 0.1 acre in size and less than 100' in length
- Stocked trout streams from March 1st through June 15th
- Wild trout streams from Oct. 1st through Dec. 31st



- -Culverts and bridges shall be sized accordingly and shall be of sufficient width and size so as not to narrow the existing stream channel
- -Culverts must be aligned with the stream flow

GP8- Temporary Road Crossing **Applicability for Use & Conditions**

- The crossing may remain in place for one year.
- Crossings are done at right angles to the stream.
- Crossing of wetlands shall be avoided if an alternate location is possible.
- Crossing of wetlands must be located at the narrowest practicable point.
- Crossings must be restored to the original topography & stabilized
- (except fords...the approaches must be adequately blocked & stabilized for restoration).

GP8- Temporary Road Crossing NON-Applicability (Can not use for):

- Wetland crossings greater than 200' in length
- Culverts less than 12" diameter
- Areas of Historic or Archaeological Resources
- Threatened or Endangered Species
- Natural Landmarks
- Stocked trout streams
 from March 1st through June 15th
- Wild trout streams
 from Oct. 1st through Dec. 31st



Fords (GP 7 or GP 8)

- These crossings must be stable
- Are prohibited on HQ and EV streams or in wild trout streams
- Discharge of sediment while vehicular crossing is not allowed

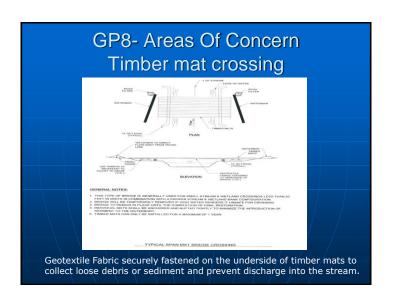




Fords



- Skidding equipment across a ford is prohibited.
- Fords are prohibited within 2,000' upstream from drinking water intakes or reservoirs for public water supplies
- If the stream bed does not have a rock bottom, then a layer of clean rock must be provided and can not obstruct stream flow
- The approaches must enter the stream at less than 10% grade within 50′ of the stream







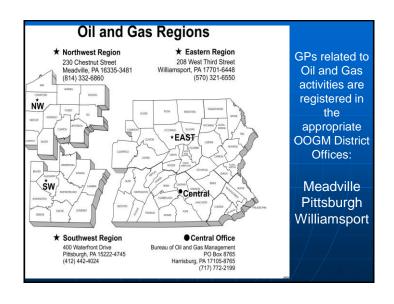


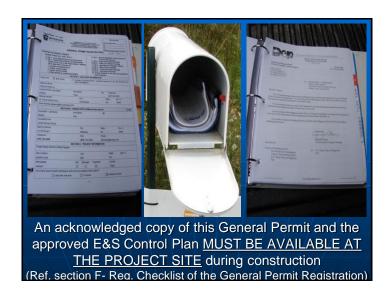
Notification Requirements for GPs related to Oil and Gas Activities Registration form to the DEP OOGM ■ Pa Historical & Museum Commission (If resource was found during the activity)

Registration Requirements for GPs related to Oil and Gas Activities

- Act 14 Notification
- Cumulative Impact Project Screening Form
- USGS Location Map
- Sketch Plan
- Cross Sections
- Color Photographs
- PNDI
- Bog Turtle Screening (required for GP 5,7 & 8)
- Wetland Delineations (NOT applicable for GP4)
- Erosion & Sediment Control Plan
- Submerged Lands License Agreement (SLLA)
 - * required if applicable









County Conservation Districts (CCDs) involvement concerning OOGM GPs

CCDs (with CH105 delegation) will review all GPs associated with transmission lines.

example.... An operator submits an ESCGP to a delegated CCD for a transmission line. Say the transmission line will cross a stream which requires a GP 5. The CCD will also issue the GP for this activity.

GPs not associated with transmission lines (collection, gathering lines etc and everything that we talked about today) will be covered by OOGM.

PASPGP-4 (Federal Authorization)

- Waiver of DEP permit
 - Under 100 acre of drainage area
 - Does not apply to wetlands located in the floodway
 - Must contact USACOE for Federal Authorization
- PASPGP-4
 - An automatic Federal Authorization when DEP General Permit is issued.
 - If it is not attached, then an additional 45 day review by USACOE
 - If > 0.25 acre wetland impacts (accumulated)
 - If > 250 ft linear impacts of stream (accumulated)
- If > 1 acre of all water impacts (streams + wetlands)
 USACOE will review and issue directly
- If < 1 acre water and not eligible DEP General Permit
 - Joint PermitFull
 - Small Project (not any significant impacts (e.g. no wetlands, etc.))

Federal Programmatic General Permit (PASPGP-4) "One Stop Shop"

- Pennsylvania State Programmatic General Permit-4 (4th version) effective July 1, 2011
- Many projects in Commonwealth waters and wetlands also require federal authorization.
- For certain projects DEP can attach a federal SPGP permit to state permit
- When it applies, PASPGP-4 eliminates any need for redundant federal reviews

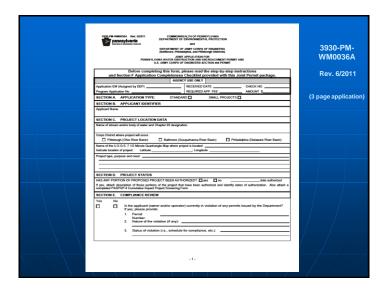
PASPGP-4

Section 404(e) of the Clean Water Act (CWA) (33 United States Code [U.S.C.] Section [§] 1344) allows for the issuance of general permits on a statewide basis, which operate in conjunction with a State regulatory program that protects the aquatic environment in a manner equivalent to the Department of the Army regulatory program, provided that the activities permitted under each category of such general permits are similar in nature and result in no more than minimal individual or cumulative adverse effects on the aquatic environment. This Pennsylvania State Programmatic General Permit # 4 (PASPGP-4) is issued pursuant to Section 404(e) and is based on and consistent with the requirements of the CWA 404(b)(1) Guidelines.

http://www.nap.usace.army.mil/cenap-op/regulatory/paspgp.html

PASPGP3

All activities issued under PASPGP-3 that did not expire prior to June 30, 2011, are reauthorized by the PASPGP-4 without further notice to the applicable Corps District provided the proposed regulated activities comply with all terms, conditions, limits, and best management practices identified and required by the PASPGP-4; all special conditions attached to the original PASPGP-3 authorization; and all applicable PADEP Chapter 105 authorizations. The duration of these reauthorizations will be for: the term of the PASPGP-4 (June 30, 2016) for Category I or II activities, or the applicable PADEP Chapter 105 authorization, or five years from issuance of the PASPGP-3 Category III activities, whichever is less.



Joint Permit (Standard and Small Project)

- No work in wetlands
- No impacts to a Federal wilderness area or a National Historic Site
- No impacts on the habitat of rare, threatened or endangered species (PNDI-PNHP)
- No significant impacts to public water supplies, HQ or EV watersheds, scenic rivers or wild or stocked trout streams

Joint Permit Requirements

An application for a joint permit shall have the following information provided with it:

- A site plan
- A location map
- Project description
- Color photographs
- Stormwater Management Analysis
- Floodplain Management Analysis
- Risk Assessment

Joint Permit Requirements (cont'd)

- Alternatives analysis
- Mitigation plan
 (avoid, reduce, minimize, compensate)
- Impacts analysis
- Other data required by Chapter 105
- Additional information requested by the Department
- Proof of an application for an Earth Disturbance Permit or an Erosion & Sedimentation Control Plan.

Joint Permit Registration

- Under Money Back Guarantee,
 the Department has up to 130 days
 to process a joint permit application
- You must obtain a written permit from DEP, prior to the start of construction
- Form 3930-PM-WM0036A
 - Current version: Rev. 6/2011
 - Do not use other versions

