

**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATERWAYS ENGINEERING AND WETLANDS
GENERAL PERMIT
BWEW-GP-3
BANK REHABILITATION, BANK PROTECTION AND
GRAVEL BAR REMOVAL**

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**INSTRUCTIONS FOR USING THE GENERAL PERMIT
BWEW-GP-3
Bank Rehabilitation, Bank Protection and
Gravel Bar Removal**

PRIOR TO REGISTRATION TO USE:

1. Carefully review the definitions and requirements of the General Permit (Part One and Part Two) to determine if your project can qualify for authorization under this General Permit. Refer to Part One, Section B regarding area restrictions and Part One, Sections D, E and F regarding criteria. If your project cannot be authorized under the General Permit, you may request approval of an individual permit by submitting an application to the appropriate Permitting and Technical Services Section in the Regional Office as listed on Exhibit B.
2. Locate your project on a United States Geological Survey (U.S.G.S.) 7½ Minute Quadrangle Map¹ and prepare a project LOCATION MAP, utilizing a photocopy of the U.S.G.S. Quadrangle Map.
3. Complete the Pennsylvania Natural Diversity Inventory (PNDI) Form and submit it to the person conducting the online PNDI Project Planning and Environmental Review Tool search. This person performing the search could be someone from DEP, the County Conservation Districts, or a consultant. Alternatively, if you plan to conduct the PNDI online search yourself – a search form is not needed prior to the PNDI online search.

After conducting the PNDI online search, if your PNDI Project Environmental Review Receipt has "Potential Impacts," DEP and the jurisdictional agencies require that you submit additional information to the agencies noted on the Receipt for further review. Please send a copy of the PNDI Receipt, a completed PNDI Form, and a USGS 7.5 minute quadrangle map with project boundaries delineated on the map to the agencies referenced on your PNDI Receipt.

4. Your project may also require a permit from the U.S. Army Corps of Engineers under section 404 of the Federal Clean Water Act, sections 9 and 10 of the Rivers and Harbors Act and/or section 103 of the Marine Protection, Research and Sanctuaries Act. The registration to use this State General Permit does not relieve you of the obligation to comply with, and the State is not authorized to address, these Corps of Engineers' requirements. Therefore, in order to avoid violation of Federal statutes, please contact the appropriate U.S. Corps of Engineers District Office listed below to determine whether a Federal permit is required for your project.

Delaware River Basin
Philadelphia Dist. Corps of Engineers
Wanamaker Bldg., 100 Penn Square East
Philadelphia, PA 19107
(215) 656-6725

Susquehanna River Basin
Baltimore Dist. Corps of Engineers
P.O. Box 1715
Baltimore, MD 21203-1715
(410) 962-1846 or (814) 235-0570

Ohio River Basin and Lake Erie Basin
Pittsburgh Dist. Corps of Engineers
Regulatory Branch
1000 Liberty Avenue
Pittsburgh, PA 15222
(412) 395-7152

5. For any earthmoving activity² associated with your project, prepare the Erosion and Sediment Control Plan which must be reviewed and determined satisfactory by the County Conservation

¹ Commonly called "topographic maps", U.S.G.S. Quadrangles may be available from local merchants dealing in books, hunting supplies and camping equipment.

² For the definition of earthmoving activity, see Part Two, Section C.

District in the county where your project is located. The required Erosion and Sediment Control Plan must be prepared and submitted to the Conservation District for review prior to or concurrent with your registration to use the General Permit.

6. Take color photographs of the project area showing the scope of the project and existing condition of the bank and/or gravel bar. Prepare two sets of these photos, mount on 8½" x 11" pages and label each photo with a brief description of what is shown and the date photos were taken.

THE REGISTRATION PROCEDURE:

7. Fill in all information on the GENERAL PERMIT REGISTRATION form and make multiple copies. Send one copy each to the municipality and the county in which the project is located.
8. To register use of the General Permit, prepare a complete registration "package" consisting of:
 - Two copies of the GENERAL PERMIT REGISTRATION form
 - Two copies of the LOCATION MAP
 - Two copies of the PNDI Form and an initialed search receipt
 - Two sets of COLOR PHOTOGRAPHS (mounted with dates and descriptions)

Send these items to either:

- The County Conservation District for projects located in all counties where there is a delegation agreement (See Exhibit C).
- OR-
- The Permitting and Technical Services Section having responsibility for the counties where there is no delegation agreement with the County Conservation District (see Exhibit B).
9. If you are also applying for an individual Water Obstruction and Encroachment Permit to authorize related work, you may register to use the General Permit in conjunction with your individual permit application (see Part Two, Section A, Item 2).

BEFORE AND DURING CONSTRUCTION:

10. Do not begin work until:
 - a. You have received an acknowledgement from the Permitting and Technical Services Section or County Conservation District that your General Permit Registration form has been received and registered.
 - b. Your Erosion and Sediment Control Plan has been reviewed and determined to be satisfactory by the County Conservation District.
 - c. You have notified the Pennsylvania Fish and Boat Commission and the County Conservation District 10 days prior to start of construction (See Part Two, Section D).
 - d. You have obtained any other Federal, State or local permits which may be required, including written authorization from the U.S. Army Corps of Engineers for gravel bar removal.
 - e. You have complied with any other applicable preconstruction requirements as listed in Part Two, Section E.
 - f. You have provided written notifications to the municipalities and county where the projects are located prior to the start of construction.
11. During construction of your project, you are responsible for adhering to all terms and conditions of the General Permit, including your approved Erosion and Sediment Control Plan and all applicable design and construction criteria in Part One, Sections D, E and F.

**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATERWAYS ENGINEERING AND WETLANDS
GENERAL PERMIT
BWEW-GP-3
BANK REHABILITATION, BANK PROTECTION AND
GRAVEL BAR REMOVAL**

PART ONE

- A. GENERAL DESCRIPTION AND FEES** - The Department of Environmental Protection hereby authorizes, by general permit, subject to the terms and criteria set forth below, the installation, operation, modification and maintenance of bank rehabilitation and protection projects and the removal of gravel bars in and along the regulated waters of this Commonwealth. **The fee required for a project authorized under this General Permit shall be consistent with 25 PA Code §105.13 (relating to regulated activities – information and fees).**
- B. SITES AND CONDITIONS WHERE THIS GENERAL PERMIT DOES NOT APPLY** - This General Permit does not apply and is not valid in the following situations. Where the General Permit is not applicable, you may request approval of an individual permit by submitting an application to the appropriate Permitting and Technical Services Section in the Regional Office (See Exhibit B).
1. Historical, cultural or archaeological sites as identified in the latest published version of the Pennsylvania Inventory of Historical Places or the National Register of Historical Places. This information is available from the Pennsylvania Historical and Museum Commission, 400 North Street, Second Floor, Harrisburg, PA 17120-0093, telephone (717) 783-8946.
 2. Sites identified in the latest published version of the National Registry of Natural Landmarks.
 3. Wetlands.
 4. Construction activities in stocked trout streams from March 1 through June 15, in wild trout streams from October 1 through December 31, and in Lake Erie tributaries from March 1 through June 15 and from September 1 through December 31, unless approval is obtained from the Pennsylvania Fish and Boat Commission's Division of Environmental Services (See Exhibit A). Stocked and wild trout stream locations are compiled by the Commission's Division of Fisheries Management (see Exhibit A).
 5. Projects involving channel relocation, channel realignment, or placement of fill to construct berms or levees.
 6. Any project having a scope of work which is greater in length than 500 linear feet measured along a single continuous reach of stream channel.
 7. Projects involving the installation of tires for bank protection.
 8. The removal of vegetated gravel bars.
 9. Projects requiring excavation of mudflats in the tidal waters of the Delaware River.
 10. Projects located where there would be an impact on species of special concern listed under the Endangered Species Act of 1973, the Wild Resources Conservation Act, the Fish and Boat Code or the Game and Wildlife Code. Records regarding species of special concern are maintained in a computer database called the "Pennsylvania Natural Diversity Inventory" (PNDI). To verify that there will be no such impacts for a specific project, the Department requires submission of the attached PNDI Form and an initialed search receipt.

11. Areas in or within 100 feet of a watercourse designated wild in the National or State Scenic Rivers system in accordance with the National Wild and Scenic Rivers Act of 1968 or the Pennsylvania Scenic Rivers Act. For details on scenic river classifications, contact the DCNR, Division of Greenworks and Conservation Partnerships, Pennsylvania Scenic Rivers Program, P.O. Box 8475, Harrisburg, PA 17105-8475, telephone (717) 787-2316.
12. Gravel bar removal in streams or water bodies designated Exceptional Value Waters as defined and listed in Chapter 93 (relating to water quality standards).

C. DEFINITIONS APPLICABLE TO THIS GENERAL PERMIT - The following words and terms, when used in this General Permit, have the following meanings:

BANK REHABILITATION AND BANK PROTECTION - To restore and/or protect the bank of a stream, lake, pond or reservoir against erosion, scour or sloughing by utilizing any of the following: slope protection, dumped rock protection, cribbing, walls, channel deflectors, vegetative stabilization techniques.

CHANNEL REALIGNMENT - Any alteration of the stream channel alignment which involves excavation into an existing stream bank.

CONCRETE RUBBLE - Broken concrete in pieces not to exceed 5 feet in length where neither the width or thickness is less than 1/3 its length and all reinforcing is removed flush with the face of the concrete.

DUMPED ROCK PROTECTION - Sound, durable stone or concrete rubble, insoluble in water and placed by dumping for the purpose of protecting against erosion, scour or sloughing of a bank. To resist transport by flowing water, National Stone Association R-7 is the minimum size rock which shall be used for dumped rock protection.

FILTER LAYER - Well-graded, hard, durable, non-soluble particles (free from muck, topsoil, organic matter or rubbish) or geotextile fabric, placed under slope protection to prevent the natural soil of the bank from being washed away through the slope protection layer.

GRAVEL BARS - Alluvial deposits in stream channels, including accumulations of gravel, glacial till, sediment, silt and flood debris, which obstruct and redirect flow, and which are thereby associated with stream bank erosion.

RIPRAP - A layer, facing or protective mound of stone in random size pieces, selectively placed to prevent erosion, scour or sloughing of a bank.

SLOPE PROTECTION - A layer or facing of sound, durable rock or similar material (natural or manmade), insoluble in water, selectively placed by hand or machine and sized to resist transport by flowing water.

VEGETATED - An area having greater than 50 percent surface coverage of persistent vegetation during the growing season (undisturbed by acts of man). Persistent vegetation is defined as having a predominance of perennial plant species with the exclusion of first year class seedlings of woody vegetation (shrubs and trees). The vegetational groupings to be considered consist of grasslikes, grasses, forbs, vines, shrubs and trees.

D. PROJECT DESIGN AND CONSTRUCTION CRITERIA

1. The use of this General Permit is limited to activities which constitute a single, complete project in and along a continuous reach of stream channel not exceeding 500 feet in length. Multiple registration and use of this General Permit for the purpose of extending a project activity beyond the maximum length is prohibited; however, the Department will consider

authorizing more extensive projects upon receipt of an application for an individual Water Obstruction and Encroachment Permit. Because this General Permit authorizes only single, complete projects, repeated projects each require a separate registration of General Permit use.

2. Construction of the bank rehabilitation, bank protection project or removal of a gravel bar should not constrict or increase the normal channel width. The configuration of the shoreline shall remain substantially the same and the work shall align smoothly with, and not project further into the channel than adjacent upstream and downstream banks. The upstream and downstream ends of a bank rehabilitation or bank protection project shall be keyed into the stream bank to ensure stability.
3. Construction and other activities authorized by this General Permit shall be performed in a manner that minimizes use of equipment within the stream channel or body of water.
4. Bank rehabilitation, bank protection and gravel bar removal shall take place during periods when the stream is at low flow.
5. To the greatest extent possible, the project shall be designed and constructed in a manner which will (a) prevent permanent or long-term adverse changes in water quality, (b) minimize alterations in natural aquatic habitat and (c) maintain natural streamflow velocities and mixing patterns.
6. The placement of fill higher than the elevation of the existing stream banks, the construction of levees, the realignment or relocation of the channel, dredging activities in water and excavation below existing water level are not authorized by this General Permit.
7. Bank rehabilitation, bank protection and gravel bar removal projects shall not extend across adjacent property lines without the written permission of all affected property owners.
8. During construction activities, all public and private property including existing vegetation, landscape features and monuments within, along and adjacent to the work area, shall be protected and preserved to the maximum degree possible. This shall include, but not be limited to, precautions taken to minimize damage, erosion, injury or destruction; prevent pollution; provide protection of all trees and other woody plants; special care being taken to protect the natural vegetation and surroundings to include all natural drainageways, ponds, lakes, wetlands, woods and fields; and storage of materials in such manner to prevent leaching which would be injurious to soils and to plants. Precautions should be taken to prevent damage to pipes, conduits and other underground structures.
9. Archaeological artifacts discovered during the performance of work authorized under this General Permit must be adequately protected and their discovery promptly reported to the Bureau for Historic Preservation, Pennsylvania Historical and Museum Commission, 400 North Street, Second Floor, Harrisburg, PA 17120-0093, telephone (717) 783-8946.
10. As part of the registration to use this General Permit, the owner shall submit duplicate sets of labeled color photographs which show the scope of the project and the existing condition of the bank to be protected and/or the gravel bar to be removed. The two sets of photographs shall be mounted on 8½" x 11" sheets. The date of photography and a written description of what is shown shall be provided for each photograph.

E. ADDITIONAL CRITERIA FOR BANK REHABILITATION AND PROTECTION

1. Slope protection and dumped rock protection shall not exceed the placement of a maximum of 1 cubic yard per running foot below the plane of the ordinary high water mark or the high tide line (in order to be consistent with the requirements of the Corps of Engineers). Where slope protection or dumped rock protection is required to be placed in the floodway or

floodplain above the plane of the ordinary high water mark or the high tide line, an additional 1 cubic yard per running foot of stream is authorized.

2. Riprap and other types of slope protection, except for vegetative stabilization and dumped stone protection, should be constructed in two layers.
 - (A) An outer layer of massive particles to resist the forces of moving water.
 - (1) The outer layer or principal protection layer should consist of well-graded particles. It is recommended that riprap slope protection shall be sized in accordance with the following Table E(2) designated DESIGN PARAMETERS FOR RIPRAP.
 - (2) The protecting layer should be placed to a minimum thickness approximately 6 inches greater than the maximum particle size, or in accordance with the following Table E(2) for riprap design.
 - (B) An underlying filter layer of fine material or filter fabric.
 - (1) Satisfactory filter materials are mixtures of gravel and clean sand with about 80% of the material ranging between 2 inches and 1/4 inch. An alternative is a commercially available geosynthetic filter fabric that will allow drainage without loss of bank material.
 - (2) The gravel filter layer should be placed to a thickness in accordance with the following Table E(2) for riprap design.
3. Grouting of slope protection or dumped rock protection is not authorized by this General Permit.

TABLE E(2). DESIGN PARAMETERS FOR RIPRAP

NATIONAL STONE ASSOCIATION NUMBER	AVERAGE SIZE OF STONE IN INCHES	RANGE OF STONE SIZE IN INCHES	RECOMMENDED PLACEMENT THICKNESS IN INCHES	RECOMMENDED FILTER THICKNESS IN INCHES	MAXIMUM ALLOWABLE STREAMFLOW VELOCITIES IN FEET PER SECOND	
					1.5 HORIZONTAL TO 1 VERTICAL SLOPE	2 HORIZONTAL TO 1 VERTICAL SLOPE
R-4	6	3 TO 12	15	4	8	10
R-5	9	5 TO 18	24	6	11	12
R-6	12	7 TO 24	30	8	13	14
R-7	15	12 TO 30	36	10	14	16

4. Only clean, nonpolluting materials shall be used for bank rehabilitation and protection projects in order to minimize excessive turbidity by leaching of fines as well as to preclude entrance of undesirable chemical constituents to the watercourse by natural runoff or leaching.
5. Slag is not authorized for use under this General Permit unless it qualifies as a co-product which is suitable for the specific use.
6. Along streams which are classified priority 1-A or designated Scenic Rivers, it is recommended that bank protection and rehabilitation projects shall maintain the natural character of the bank by incorporating vegetation (see Drawing Nos. 11, 12 and 13). However, woody vegetation shall not be incorporated in riprap protection. The use of concrete rubble for dumped rock protection is prohibited along Scenic Rivers.
7. Dumped rock protection shall have a maximum exterior slope of 1.5 horizontal to 1.0 vertical and a minimum top width of 18 inches at the top of the zone to be protected, as shown on Drawing No. 3B. No filter layer is required for dumped rock protection using well-graded rock. National Stone Association R-7 rock is the minimum rock size to be used for dumped rock protection.
8. Slope protection should not be placed with an exterior slope steeper than 1.5 horizontal to 1.0 vertical.
9. For rock riprap installations, a trench must be excavated at the toe of the slope to provide a supporting base. This trench should be extended to an elevation of at least 2 feet below the streambed level and be filled with the same material as the outer protection layer.
10. Immediately following completion of the project all disturbed slopes shall be stabilized to prevent accelerated erosion in accordance with the approved Erosion and Sediment Control Plan.
11. Bank rehabilitation and bank protection projects shall be maintained in a functional condition at all times. Periodic removal of debris deposited on the bank project may be necessary.
12. Each bank rehabilitation and bank protection project shall not hinder commercial or recreational navigation nor interfere with the normal migration of fish.
13. Channel deflectors may not extend from the bank into the channel a distance greater than 25% of the total channel width, and may not extend above the normal water flow a distance greater than 6 inches at the streamward tip.
14. The maximum height of a vertical wall authorized under this General Permit is 6 feet measured from the top of wall to the streambed or lakebed adjacent to the wall.

F. ADDITIONAL CRITERIA FOR REMOVAL OF GRAVEL BARS

1. The gravel bar removal shall be completed as a single operation in as short a time period as possible. Such projects shall follow the procedures for channel restoration projects contained in the Department's Erosion and Sediment Pollution Control Program Manual, which is available from the County Conservation District Offices.
2. Removal of a gravel bar shall be limited to periods of low flow; **a gravel bar shall be removed only to a depth 6 inches above the water level at time of the project.** For streams where there are periods of no flow, depth of gravel bar removal is limited to 6 inches above the elevation of the streambed so as not to disturb the existing low flow channel.

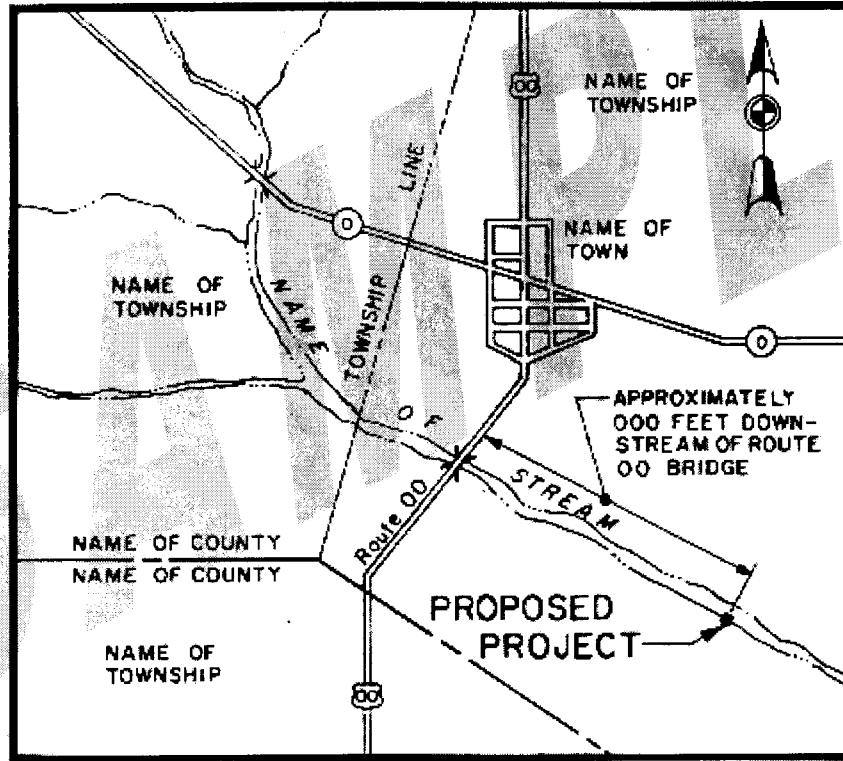
3. The equipment operator or contractor shall be informed of the conditions of this General Permit regarding gravel bar removal and shall be provided with working drawings that clearly show the limits of excavation in accordance with the criteria of this General Permit.
4. Bulldozing of the gravel bar material in or across the stream channel is prohibited. Excavation into a streambed or into a streambank adjacent to a gravel bar is prohibited.
5. Material removed from the stream channel shall be deposited outside regulated waters of the Commonwealth including the floodway and any wetlands adjacent to the project, except when the material is suitable and used for bank reconstruction. When the excavated material is to be used to rebuild opposite streambanks, the material shall be hauled (and not pushed) to the placement location.
6. Clean gravel bar material may be used only as an underlying fill or filter material to reconstruct and stabilize an adjacent streambank where the work can be performed in accordance with Part One, Section E, Item 2 of this General Permit. Gravel bar material used in this manner shall be faced with an outer layer of adequately sized slope protection. Gravel bar material which is removed shall not be used for dumped rock protection as defined in this General Permit.
7. In accordance with §105.233 of Chapter 105 rules and regulations, the removal of sand, gravel or other minerals from submerged lands of this Commonwealth, in quantities which are commercially usable or marketable, shall require a written agreement from and royalty payments to the Commonwealth.
8. Gravel bar removal on lands owned or administered by the Commonwealth as State Parks, State Game Lands or State Forests shall require prior written approval from the administering agency.
9. Gravel bar removal may have limited long-term benefits where there is a streambank erosion problem. Therefore, the use of bank rehabilitation and bank protection measures in conjunction with gravel bar removal is recommended.
10. The owner is advised that a permit from the U.S. Army Corps of Engineers may be required for gravel bar removal projects (see Instructions, Item 4).

G. AUTHORITY AND CONTINUING AUTHORIZATION - Authorization of this General Permit is under section 7 of the Dam Safety and Encroachments Act 32 P.S. §693.7 and the rules and regulations promulgated thereunder at 25 Pa. Code §§105.441-105.449 (relating to General Permits). This General Permit shall authorize the continued operation and maintenance of bank rehabilitation and protection authorized by General Permit BWEW-GP-3 (Bank Rehabilitation and Protection) issued on July 23, 1983 and reauthorized July 23, 1988 and August 20, 1988.

GENERAL PERMIT:

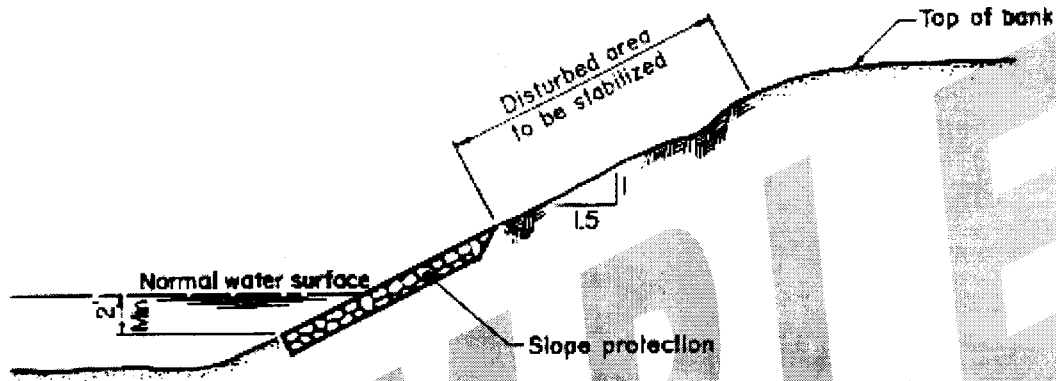
SAMPLE LOCATION MAP

Dwg. No. 1



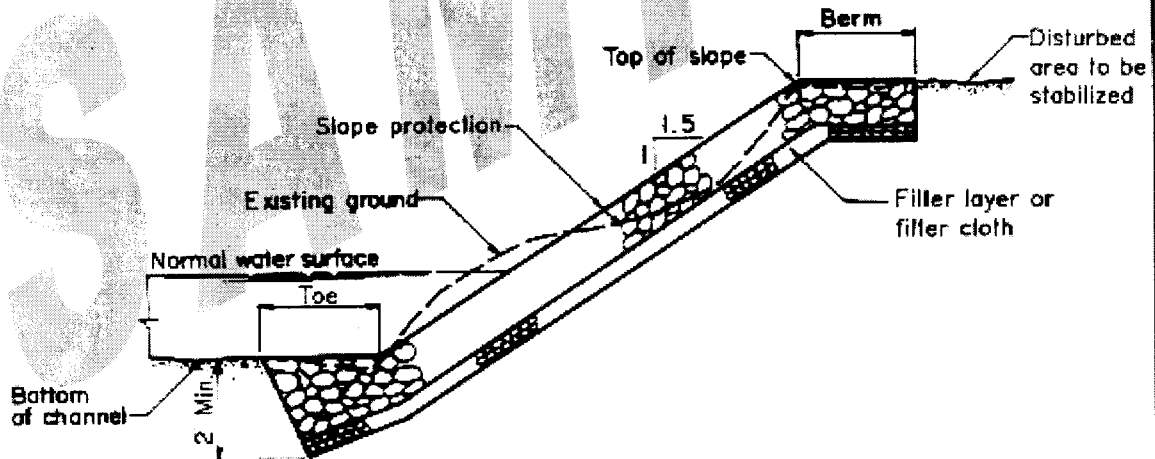
NOTE: Use of a photocopy of the U.S.G.S. quadrangle map(s) is recommended.

GENERAL PERMIT: B.D.W.W. GP-3
Bank Rehabilitation and Protection
Dwg. Nos. 2A & 2B
SLOPE PROTECTION



TYPICAL SECTION - LAKE BANK PROTECTION

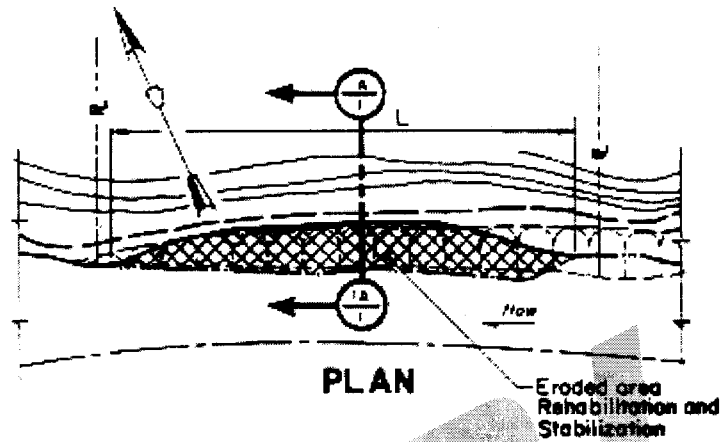
2A



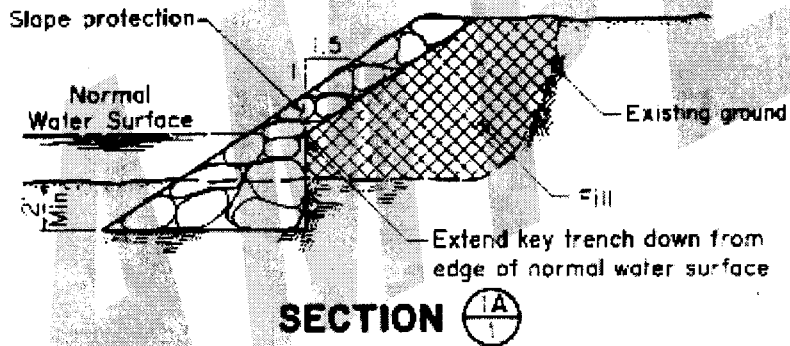
TYPICAL SECTION - STREAM BANK PROTECTION

2B

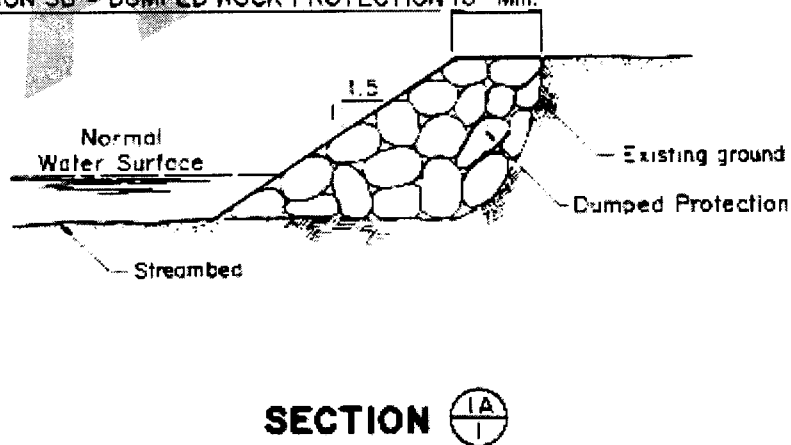
GENERAL PERMIT: B.D.W.W. GP-3
Bank Rehabilitation and Protection
Dwg. Nos. 3A & 3B SLOPE AND DUMPED PROTECTION



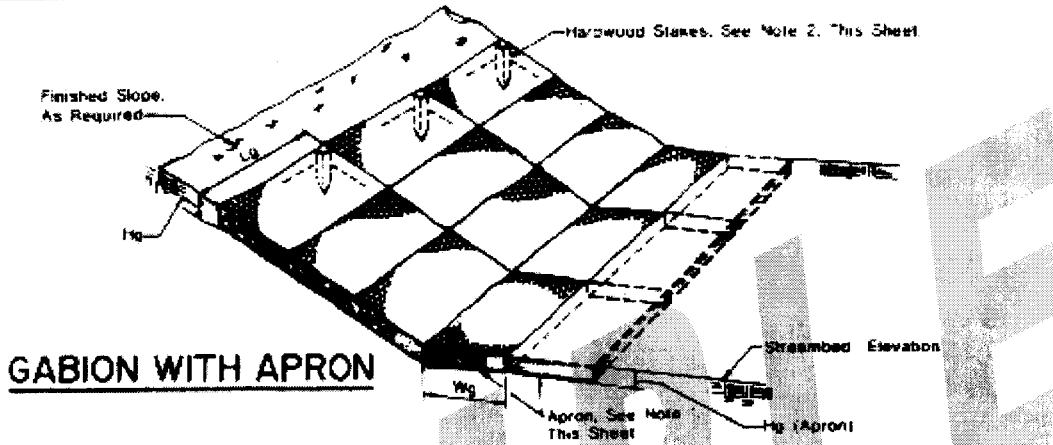
TYPICAL SECTION 3A - SLOPE PROTECTION AND FILL



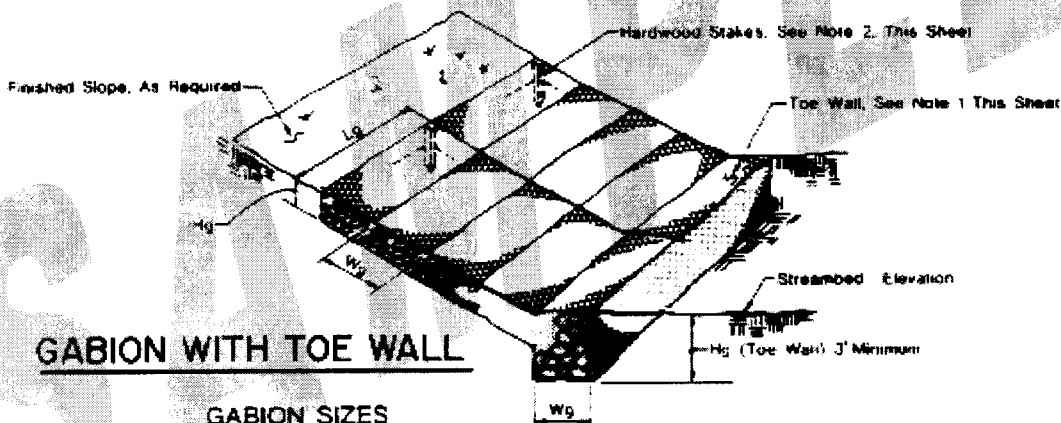
TYPICAL SECTION 3B - DUMPED ROCK PROTECTION 18" Min.



GENERAL PERMIT: B.D.W.W. GP-3
 Bank Rehabilitation and Protection
 Dwg. No. 4 GABION SLOPE PROTECTION



GABION WITH APRON

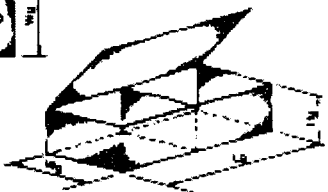
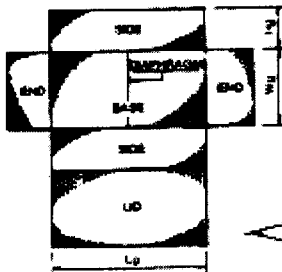


GABION WITH TOE WALL

GABION SIZES

ADDITIONAL SIZES MAY BE AVAILABLE
 ON A SPECIAL ORDER BASIS

MATTRESS TYPE			STANDARD		
Wg	Lg	Hg	Wg	Lg	Hg
6-0	9-0	1-9	3-0	6-0	1-0
6-0	12-0	1-9	3-0	9-0	1-6
			3-0	6-0	3-0
			3-0	9-0	3-0
			3-0	12-0	3-0



WIRE MESH BASKETS

NOTES

1. The Apron or Toe Wall is required where the slope wall is installed adjacent to water. The apron should be approximately two times as wide as the anticipated depth of scour and the toe wall height should be at least equal to the anticipated depth of scour.
2. When gabions are placed on a 1.5 : 1.0 side slope or sleeper, hardwood stakes shall be driven through the gabions, along the top edge, to anchor the installations. Minimum embedment of stakes below gabion bottom shall be 8 inches.

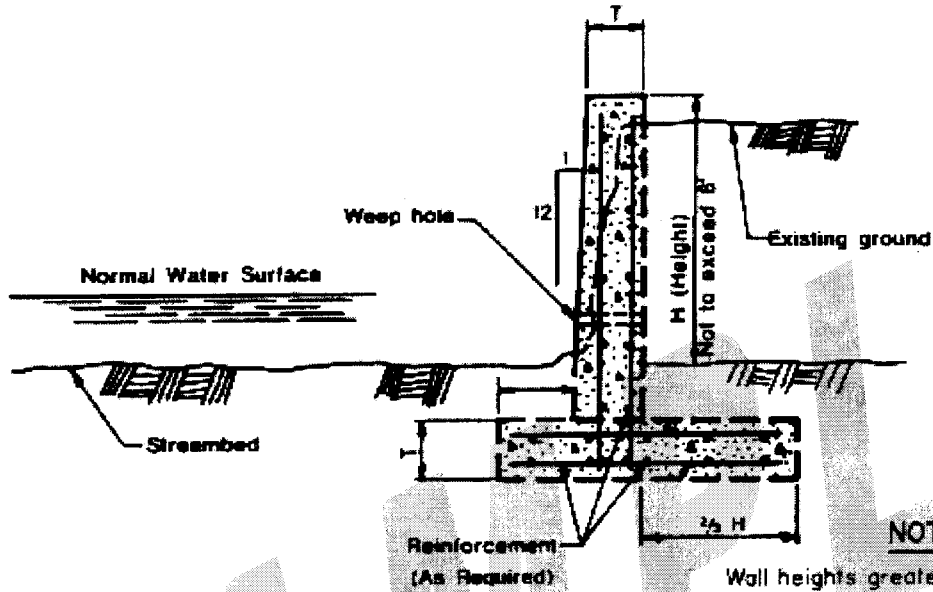
GENERAL PERMIT:

B.D.W.W. GP-3

Bank Rehabilitation and Protection

Dwg. Nos. 5A & 5B

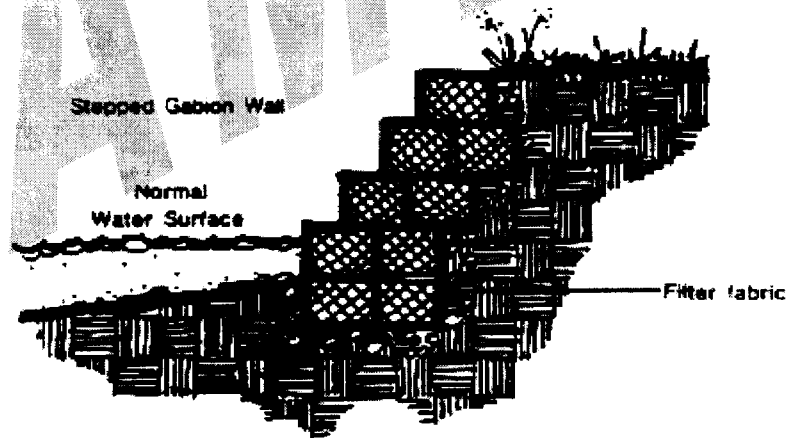
WALLS



NOTE:

Wall heights greater than six (6) feet above stream bed are not authorized.

5A



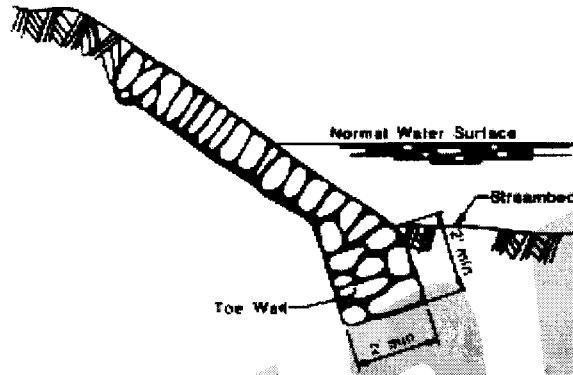
GABIONS

NOTE:

Wall heights greater than six (6) feet above stream bed are not authorized.

5B

GENERAL PERMIT: B.D.W.W. GP-3
 Bank Rehabilitation and Protection
 DWG. Nos. 6A & 6B
 WALLS



DRY OR MORTARED STONE SLOPE WALL

6A



DRY OR MORTARED STONE WALL

(Brick and / or block may be used)

6B

CONSTRUCTION GUIDELINES

- Installation:
- * A wall must resist the water on the stream side and support the soil on the bank side. Walls that are carelessly constructed using short cuts have a high probability of failure.
 - *The wall must be keyed at least 3' into the streambed to resist scouring.
 - *The stone wall must be angled toward the streambank.

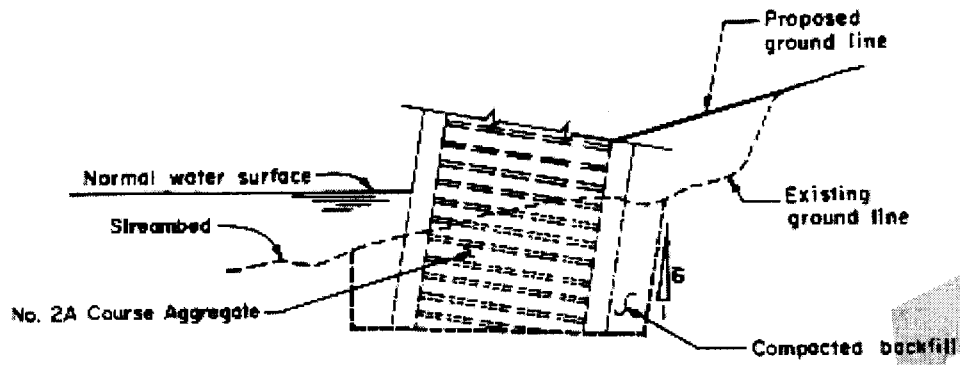
GENERAL PERMIT:

B.D.W.W. GP-3

Bank Rehabilitation and Protection

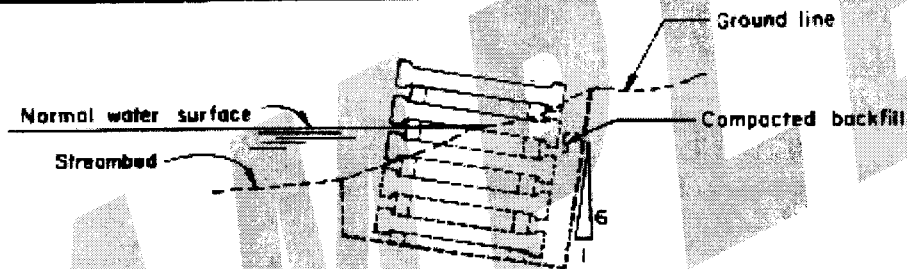
Dwg. Nos. 7A, 7B & 7C

CRIBBING



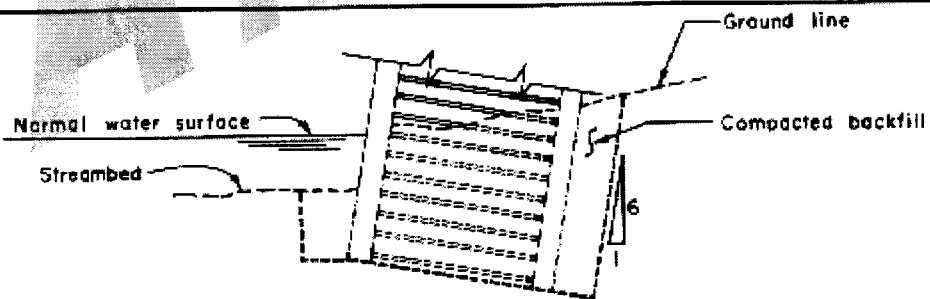
METAL CRIBBING

7A



CONCRETE CRIBBING

7B



RAILROAD TIE CRIBBING

7C

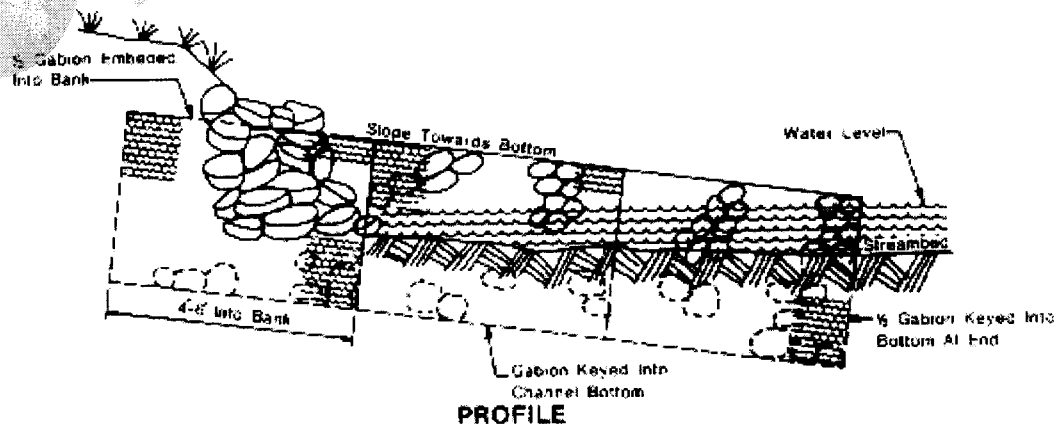
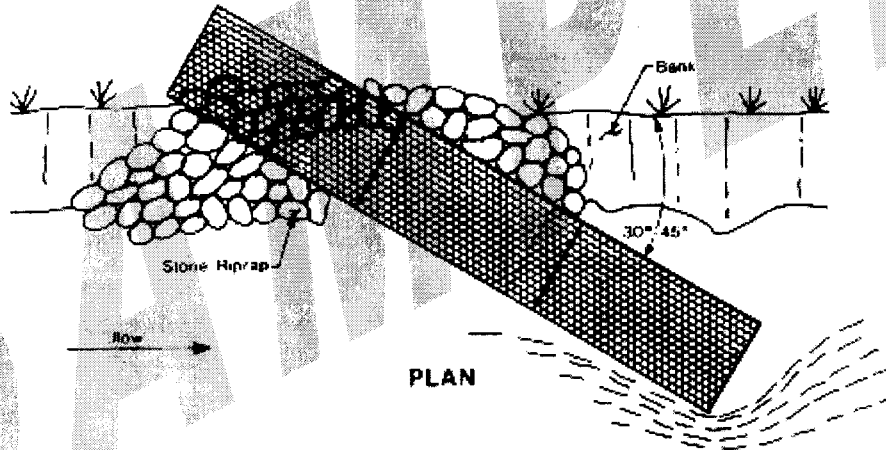
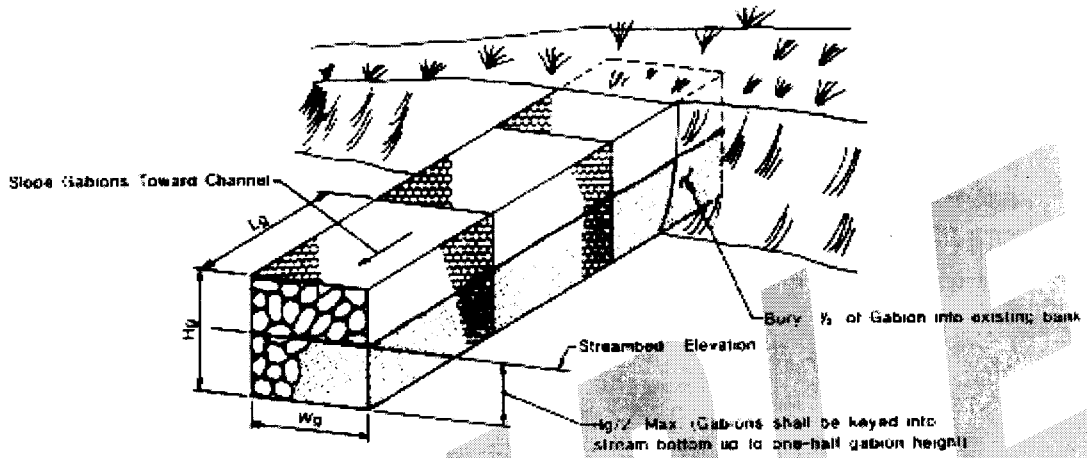
GENERAL PERMIT:

B.D.W.W. GP-3

Bank Rehabilitation and Protection

GABION CHANNEL DEFLECTOR

Dwg. No. 8



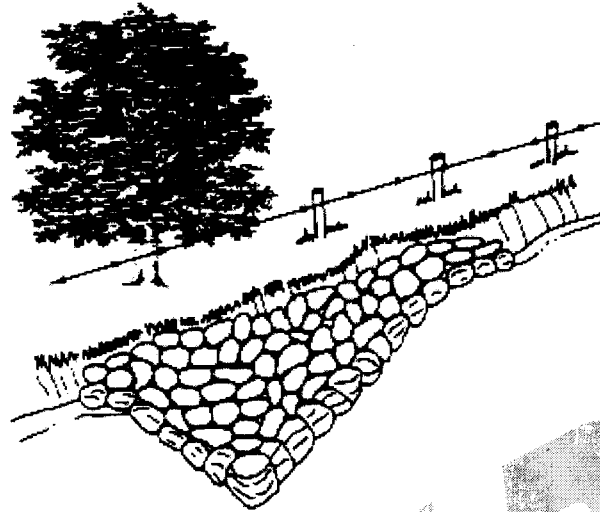
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B.D.W.W. GP-3

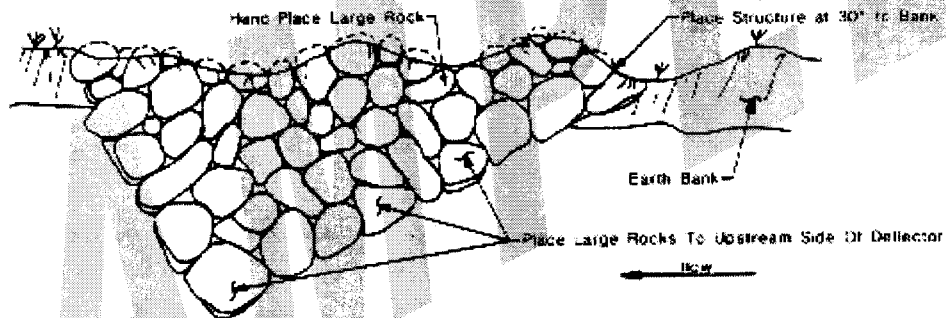
Bank Rehabilitation and Protection

ROCK CHANNEL DEFLECTOR

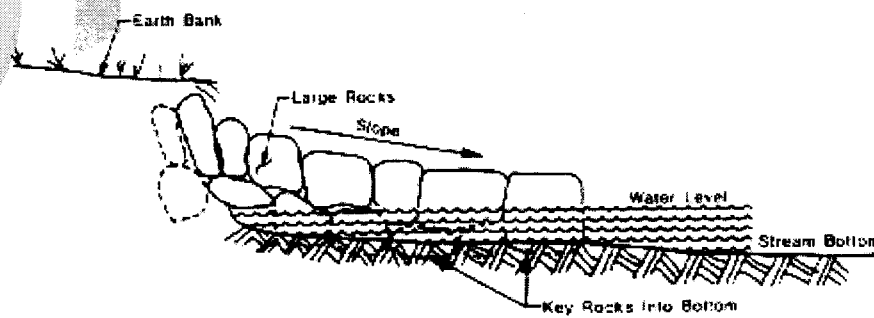
Dwg. No. 9



Deflectors should be kept low, the tip extending not more than 6 inches above normal flow at the tip and tapering upward at the bank and into the bank to prevent the possibility of water washing behind the device. The outline of the deflector should be rocks large enough that high water isn't apt to move them. The center can be smaller rocks but they should be placed in such a manner as to not be washed away easily.



PLAN



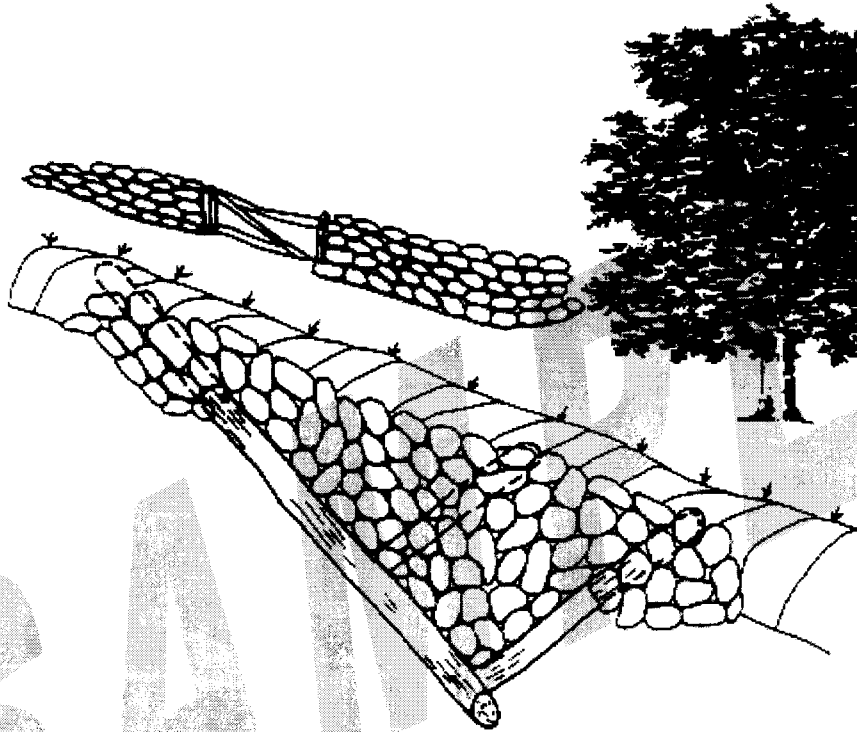
PROFILE

GENERAL PERMIT:

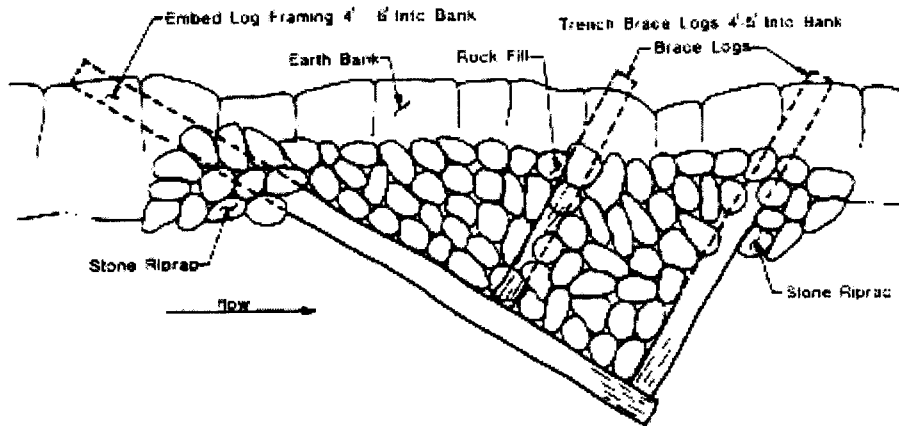
B.D.W.W. GP-3

Bank Rehabilitation and Protection
LOG FRAME CHANNEL DEFLECTOR

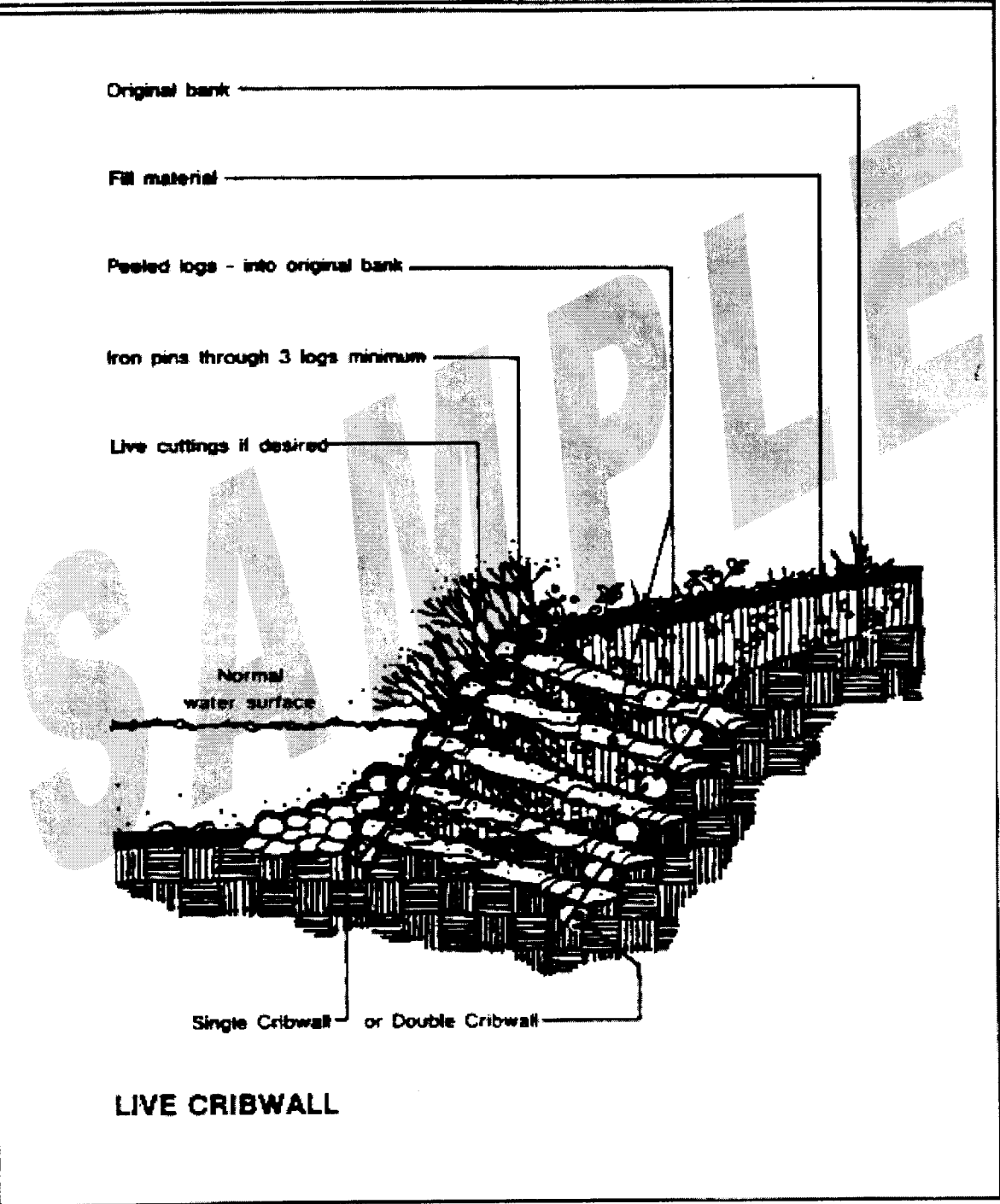
Dwg. No. 10



Deflectors will be basically 30°-60°-90° triangles with the long side abutting the stream bank. The short side will face downstream. A log frame is constructed and buried in the bank. The logs will be pinned to the streambed and to each other with metal rods or another suitable holding device. The frame will then be filled with stone and stone will be placed on the outer edges of the logs where they intersect the bank to prevent scour. The upstream log overlaps the downstream log.



GENERAL PERMIT: B.D.W.W. GP-3
Bank Rehabilitation and Protection
LIVE CRIBWALL



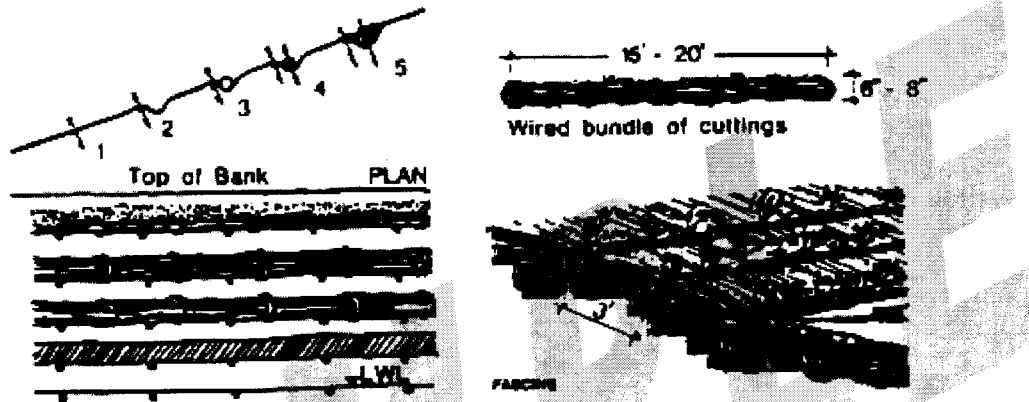
GENERAL PERMIT:

B.D.W.W. GP-3

Bank Rehabilitation and Protection

VEGETATIVE STABILIZATION

Dwg. No. 12



Size

- *Fascines can be 15' to 20' long.
- *The bundles are 6" to 8" in diameter when prepared.
- *The branches which are contained in the bundle should be at least 4' long and have a maximum trunk diameter of 1 inch.
- *Wire for bundling should be 1/16" in diameter or larger, or about the size of electrical fencing wire.

Materials

- *Cuttings must be from a species that roots easily, and has long, straight branches. Young willows are ideal for this method.
- *The cuttings are placed in bundles with the butt ends in the same direction, and wired together every 12" to 15".
- *Live stakes should be 2' to 3' long. Live stakes should be placed through the live fascine and below the fascine.

Installations

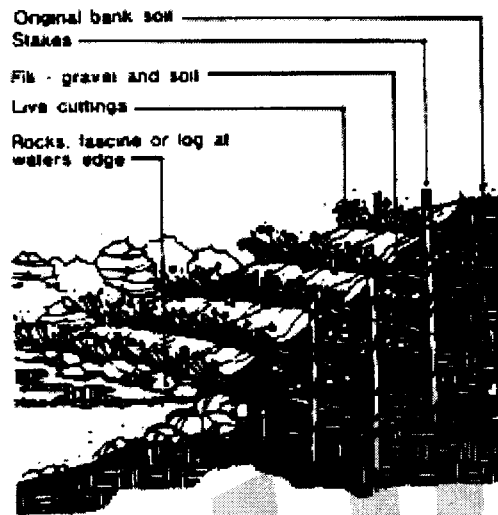
- *Beginning at the base of the bank at mean low water level, tamp stakes in a row across the slope.
- *A shallow trench as deep as the diameter of the fascine is dug above the stakes.
- *Place the bundles in the trench.
- *Tamp more stakes through the bundles.
- *Live stakes should be spaced approximately 12" apart. Extra stakes should be used at joints. Leave the tips of the stakes 6" above the soil.
- *Cover the bundles with soil from above and tamp firmly.
- *Walk on top of the bundles eliminating any air.
- *To minimize drying of the soil, trenching should not precede placement of the bundles by more than one hour.
- *Fascines should be prepared immediately before installation and must be stored in a moist, shady location.
- *The sequence proceeds layer by layer up on the slope with trenches above 3' apart. Twigs at the top of the bundles should protrude above the soil.

GENERAL PERMIT:

B.D.W.W. GP-3

Bank Rehabilitation and Protection
VEGETATIVE STABILIZATION

Dwg. No. 13



BRANCH PACKINGS

CONSTRUCTION GUIDELINES FOR 'BRANCH PACKING' METHOD



Sizes

- *Branches may be 1/2" to 3" in diameter, and long enough to reach original bank soil with 12" left exposed on the stream side.
- *Stakes should be 6' to 8' long.

Materials

- *Live cuttings are required.
- *Soil and gravel is sized and used as alternate layers between brush layers.

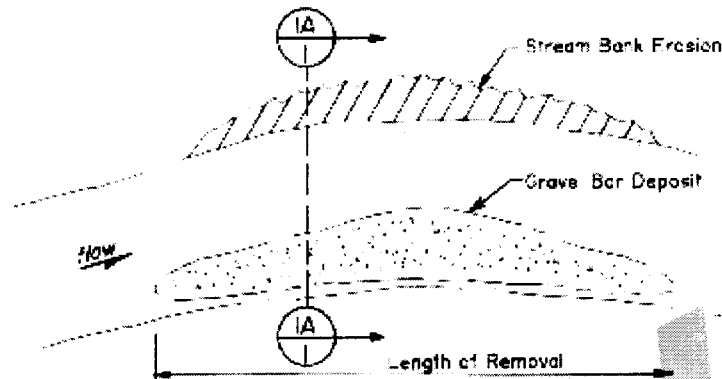
Installation

- *Starting below the low water line, tamp stakes vertically into the soil 3 feet apart.
- *First, a layer of compressed branches 3" to 4" thick is placed in the bottom of the washout between the vertical stakes and covered with an 8" to 12" layer of soil and gravel.
- *The following layers of branches are installed with the basal ends angled down into the streambank so that they are at least 12" lower than the tip of the branches.
- *Each layer of branches must be followed by a layer of soil mix and compacted thoroughly, tamping by foot, in order to insure soil contact with the branch cuttings.
- *Succeeding layers of branches and fill are alternated until the washout is completely filled.
- *The top layer should be soil and gravel fill.
- *From the stream bottom up to the average water level large rocks (do not use rocks from the stream) capable of resisting the current may be placed over the layers to prevent scour.
- *Tips of the branches must extend beyond the soil layers to grow. The basal ends must extend into undisturbed soil.

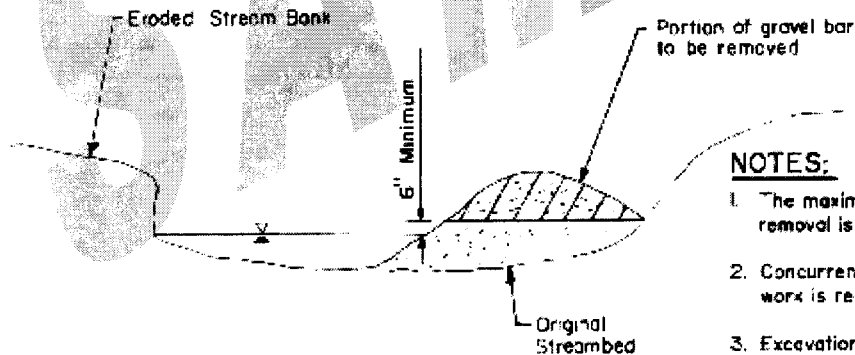
GENERAL PERMIT:

B.D.W.W. GP-3
GRAVEL BAR REMOVAL

Dwg. No. 14



PLAN



CROSS SECTION



NOTES:

1. The maximum length of removal is 500 feet.
2. Concurrent bank protection work is recommended.
3. Excavation into the streambank is prohibited.
4. Maximum removal depth is 6 inches above water level or dry streambed.
5. Access to worksite should be on the side of the gravel bar.



CHAPTER 105 WATER OBSTRUCTIONS AND ENCROACHMENT GENERAL PERMIT REGISTRATION

Please review the language of the General Permit(s) prior to completing the General Permit Registration to determine if the project is eligible for use of the General Permit and meets the terms and conditions of the permit(s).

Please provide **ONE (1) ORIGINAL** and **ONE (1) COPY** of the Registration package. An additional copy is required to be available at the project site during construction along with the GP terms and conditions Municipality & County Notification.

Please provide a copy of the Registration form to the Municipality & County in which the work will be performed. Proof of receipt is not required to be provided to DEP.

SECTION A. APPLICANT INFORMATION:

Activity Subject to Federal Energy Regulatory Commission (FERC) approval: Place an "X" in the box next to "Activity Subject to FERC approval" and/or Oil & Gas Exploration, Production, Storage or Transmission if the activity is regulated by FERC and provide the FERC docket number.

Place an "X" in the box next to "FERC Natural Gas Act Facility" if the activity is also regulated under the Federal Natural Gas Act.

Please fill in the requested information about the applicant (the owner) as accurately as possible. If the property of the project site is privately owned, please list all owners. If owned by a partnership, please list all members. If owned by a corporation, a political subdivision, or a Commonwealth department, board, commission, receiver, trustee or authority, please list the name of the entity. **See SECTION F. CERTIFICATION (page 8) for clarification of applicant signature.**

Please be sure to include DEP Client Identification Number (if known) and Employer Identification Number (EIN), as well as select or write in the proper Client Type and Code (listed below). This information is important to DEP's data tracking system. Please leave blank if the information is unknown or there is a question regarding the proper answer or information. Please note **SECTION A. APPLICANT INFORMATION:**

<u>Government</u>		<u>Non-Government</u>		<u>Individual</u>	
AUTH	Authority	ASSOR	Association/Organization	ASSOR	Association/Organization
CNTY	County	NPACO	Non-Pennsylvania Corporation	LLC	Limited Liability Company
FED	Federal Agency	PACOR	Pennsylvania Corporation	LLP	Limited Liability Partnership
MUNI	Municipality	PARTG	Partnership-General	NPACO	Non-Pennsylvania Corporation
SCHDI	School District	PARTL	Partnership-Limited	OTHER	Other (Non-Govt)
STATE	State Agency	OTHER	Other (Non-government)	PACOR	Pennsylvania Corporation
OTHG	Other (Government)	SOLEP	Sole Proprietorship	PARTG	Partnership-General
NONPG	Non-Pennsylvania Government	LLP	Limited Liability Partnership	PARTL	Partnership-Limited
		LLC	Limited Liability Company	SOLEP	Sole Proprietorship
		ESTST	Estate/Trust		

Business entities desiring to do business within the Commonwealth of Pennsylvania must register with the Pennsylvania Department of State. This requirement includes foreign filing associations such as; corporations for profit, corporations not-for-profit, limited partnerships, limited liability companies, professional associations and business or statutory trusts, which were not created or formed under the laws of Pennsylvania. ***This requirement does not apply to Individuals.***

To register with the Commonwealth, please visit Pennsylvania Department of State, Bureau of Corporations and Charitable Organization registration website at www.dos.pa.gov/BusinessCharities/Pages/default.aspx

SECTION B. CONSULTANT INFORMATION:

If there is a consultant involved in the project, please fill in the requested information about the consultant as accurately as possible. Please be sure to include Employer Identification Number (EIN). If there is no consultant, please place an "X" in the box next to "N/A".

SECTION C. PROJECT INFORMATION:

Please fill in the requested information to identify the project.

Please be sure to include DEP Site Identification Number (if known), as well as select or write in the proper Site-to-Client Relationship and Code (listed below). Please leave blank if the information is unknown or there is a question regarding the proper answer or information. Please note however, that leaving out information may result in delays or denial of the authorization to use the GP.

AGENT Agent for Owner or Operator	LESSE Lessee	OPR Operator	OTHER Other
CONTR Contractor for Owner or Operator	LESOP Lessee/Operator	OWN Owner	GEN Generator
		OWNOP Owner/Operator	PROWN Property Owner

The applicant will provide the latitude and longitude coordinates for each proposed impact as required in Section E. The coordinates should be in decimal degrees. It is important to identify the method used to determine the latitude and longitude. Check the appropriate box matching the collection method used. Also check the appropriate box matching the Horizontal Reference Datum (or projection datum) employed in the latitude and longitude collection process. Identify the date of collection (mm/dd/yyyy) if latitude and longitude coordinates were collected via GPS, WAAS and LORAN.

Description of collection methods:

- EMAP:** Method based on eMAP Pa program. www.depgis.state.pa.us/emappa.
- HGIS:** Method based on the Pennsylvania Natural Heritage Program database (formerly known as PNDI). The database is located at www.dcnr.pa.gov/Conservation/Biodiversity/PennsylvaniaNaturalHeritageProgram.
Note: This method may be preferable since all GP registrations require a PNDI search be conducted.
- GISDR:** Method based on the use of GIS and Digital Raster Graphic 1:24,000 scale USGS 7.5 minute quadrangle maps.
- ITPMP:** Method based on map interpolation of USGS 7.5 minute quadrangle maps.
- GPS:** Global Positioning method with unspecified parameters.
- WAAS:** Method base on GPS WAAS differentially correct.
- LORAN:** Method based on Loran C.

Types of Horizontal Reference Datum (or projection datum):

- NAD27:** North American Datum of 1927
- NAD83:** North American Datum of 1983
- WGS84:** World Geodetic System of 1984 (GEO84)

SECTION D. REGISTRATION CHECKLIST AND REQUIREMENTS

After determining that the project is eligible for use and meets the terms and conditions of the General Permit (GP) intended to be registered, the following instructions are useful to properly complete the GP Registration (Registration) process. A properly completed Registration, done in blue or black ink, allows for a more efficient and timely review. Marking "N/A" indicates that a requirement is non-applicable to the project.

If the project is located in a county where the Conservation District (District) has been delegated responsibility under the Chapter 105 program, the Registration form and other associated documents (Registration package) must be sent to the District (except GP-10, GP-11, GP-15 or a GP for oil and gas related activities). If the District is not delegated or the applicant intends to register a GP-10, GP-11, GP-15 or a GP for oil and gas related activities, the Registration package must be sent to the appropriate Department of Environmental Protection (DEP) Regional Office. Contact Information for District and DEP Regional Offices can be found on GP Registration [Exhibit B \(3150-PM-BWEW0500B\)](#) and [Exhibit C \(3150-PM-BWEW0500C\)](#) and on DEP's eLibrary at www.depgreenport.state.pa.us/elibrary/.

Please provide **ONE (1) ORIGINAL** and **ONE (1) COPY** of the Registration package. Please provide a copy of the Registration form to the Municipality & County in which the work will be performed. Proof of receipt is not required to be provided to DEP. An additional copy is required to be available at the project site during construction along with the GP terms and conditions. Prepare the Registration package for submission beginning with the Registration form, followed by the required attachments in the order they are requested. Not all attachments will be required in all situations for all projects. This standardized format will assist the permit reviewer to process the Registration package more efficiently. **The Registration package should be assembled and provided in the following order 1-9.** Upon review by the District or DEP Regional Office, if the project is determined to not meet the terms and conditions of the GP or the Registration package is incomplete, the applicant will be contacted appropriately.

REGISTERING A GENERAL PERMIT (GP)

- **PLEASE MARK (“X”) CHECK ALL THAT APPLY:** Place an “X” in the box next to the GP(s) the applicant intends to register. Mark all GPs that apply to the project.
 - o Reference Chapter 105 Fee Calculation Worksheet (3150-PM-BWEW0553) with questions regarding fees. Checks should be made payable to the “**Commonwealth of Pennsylvania Clean Water Fund**” or “**_____ Conservation District Clean Water Fund**”, whichever is the reviewing entity. Fee information should also be indicated on the Aquatic Resource Impact Table in Section E.

Please place an “X” next to each item (1-9) to ensure it is completed and/or provided. Unless otherwise specified, all items are required to ensure **a complete Registration package**. Please carefully read the terms and conditions of the GP(s) the applicant intends to register, as additional actions may be required outside of the registration and acknowledgement process prior to construction. Please retain the GP(s) terms and conditions to be available at the project site during construction.

Please provide **ONE (1) ORIGINAL** and **ONE (1) COPY** of the Registration package; **retain an additional copy** to be available at all times on the project site during construction. Prepare the Registration package for submission beginning with the Registration form and follow by the required attachments in the order they are requested.

1. Registering a General Permit (GP)

Check all GP’s that apply. In GP-11 and GP-15 be sure to note whether it is a temporary or permanent disturbance.

2. Location Map with project site marked:

The location map shall be 1:24000 scale 8 ½” x 11” photocopy of the appropriate portion of the U.S.G.S. Quadrangle Map with the project site marked. The Location Map may be a GIS generated map containing the required items with the project site marked.

3. Color Photographs with dates and descriptions:

Please provide color photographs of the project site area including dates and descriptions. The photos, dates and descriptions should be provided on an 8 ½” x 11” piece of paper.

Color photographs are only required for GP-3 and GP-11. Please see those permit conditions for additional details.

4. Project Description

Briefly describe the project, including proposed impacts to waters and/or wetlands. The Project Description may be provided on a separate sheet and included in the appropriate location as part of the Registration package.

Please prepare and provide a detailed chart of each proposed impact to an aquatic resource (watercourse, floodway and/or wetlands) as it pertains to the project’s activities per the instructions provided in Section E. Include a unique identifier (i.e. **GP-5-1**) which will be used in all related items. The [Aquatic Resource Impact Table \(3150-PM-BWEW0557\)](#) worksheet or equivalent which provides all of the details requested must be attached as part of the Registration package.

5. Site Specific Drawing(s) depicting the project’s site specific activities (or Standard Drawing):

Please provide a unique site specific drawing for the project and the GP being registered. Standard Drawings (included in the GPs) may be properly completed and provided when appropriate to the project and the GP being registered, but are not required.

If registering multiple GPs at one time, or the project has several locations, please include all applicable Site Specific and/or Standard Drawings for each GP and location. Please label each drawing with the unique identifier created for the Aquatic Resource Impact Table.

6. Proposed Project Purpose depicting the site of the project’s General Permit activities:

Please prepare and provide a detailed overall Site Plan detailing the projects purpose as it pertains to the project’s activities per the instructions provided in Section E. If registering multiple GPs at one time, or the project has several locations, please mark all Standard Drawing locations on the Site Plan. A Site Plan may consist of required items placed on or provided by a USGS Quadrangle map, aerial map, etc. If required information cannot be included on the Site Plan, it may be attached as part of the Registration package. For example, a FEMA map may be provided instead of including the 100 year flood elevation.

7. Erosion & Sediment Control Plan (E&S Plan) specific to the activity conducted under this permit:

Work must be done in compliance with Chapter 102 of the Department’s Rules and Regulations (relating to Erosion Control). Prior to construction, the applicant must provide an E&S Plan to be reviewed and deemed appropriate by the appropriate DEP Regional Office or delegated District in which the activities are proposed. The E&S Plan shall be

implemented prior to, during and after construction. The E&S Plan is not a requirement for Registration of a GP (except GP-11 or GPs for oil and gas related activities), and does not need to be included in the Registration package. If the applicant intends to register a GP-11 or a GP for oil and gas related activities an E&S Plan must be provided to be reviewed and deemed appropriate by the appropriate DEP Regional Office and shall be implemented prior to, during and after construction. The project site shall at all times be available for inspection by authorized employees of DEP or the delegated District. The E&S Plan shall be available at all times on the project site during construction.

Guidance for preparing an E & S Plan, as well as BMP specifications that meet DEP requirements, can be found in the Department's [Erosion and Sediment Control Program Manual \(363-2134-008\)](#).

8. Pennsylvania Natural Diversity Inventory (PNDI):

Coordination with the Pennsylvania Natural Heritage Program (PNHP) regarding the presence of Federal threatened and endangered (T&E) species and State T&E species and species of special concern on the project site is a regulatory requirement for this permit application/registration. Early coordination (prior to submission) with the appropriate jurisdictional agencies using the PA Conservation Explorer, previously known as the Pennsylvania Natural Diversity Inventory (PNDI) Environmental Review Tool (PNDI ER Tool), is the most effective means of obtaining timely permit decisions. To provide proof of coordination with PNHP and PNDI, applicants must submit a PNDI Receipt as part of the permit application/registration.

Please check the appropriate box indicating the information provided:

- PNDI reviews can still be obtained free-of-charge for users without access to a computer using the standard process of requesting a project review directly from each jurisdictional agency—PA Department of Conservation and Natural Resources (DCNR), PA Game Commission (PGC), PA Fish and Boat Commission (PFBC) and the U.S. Fish and Wildlife Service (US FWS) instead of generating a PNDI Receipt instantly through the PA Conservation Explorer. The standard PNDI review process user is responsible for securing PNDI Receipts from each jurisdictional agency—DCNR, PGC, PFBC and the U.S. FWS.
 - o PNDI Receipts from each jurisdictional agency will be included with the application/registration package. The PNDI review is not complete or satisfied unless PNDI Receipts are included from all four jurisdictional agencies listed above. Applicants are encouraged to use the PA Conservation Explorer because using this tool is the most effective means of a timely permit decision.
- If the review determines there are potential impacts to a T&E species, the PNDI Receipt will provide an explanation of the potential impact(s) and instructions on how to resolve the potential impact(s). **READ AND FOLLOW THESE INSTRUCTIONS CAREFULLY.** Following the procedure outlined by the Department of Environmental Protection (DEP) in the Policy for Pennsylvania Natural Diversity Inventory (PNDI) Coordination During Permit Review and Evaluation, No. 021-0200-001 (PNDI Policy) will allow applicants to meet regulatory requirements.

There are two options available to applicants for handling PNDI coordination in conjunction with DEP's Permit Review Process: sequential review and concurrent review.

Sequential Review:

- The applicant runs the PNDI search and completes all coordination with the appropriate jurisdictional agencies, prior to submitting the permit application/registration. The applicant will include with the application/registration a PNDI Receipt, and clearance letter(s) from the jurisdictional agency(ies) if the PNDI Receipt shows a Potential Impact.
- If selecting sequential review, different items are required to be included as part of the permit application/registration based on the search results:
 - o If the PNDI Receipt shows "No Known Impacts", please provide a copy of the signed PNDI Receipt as part of the Registration package.
 - o If the PNDI Receipt contains "Avoidance Measures", the PNDI review is not complete or satisfied unless the applicant has signed where required on the PNDI Receipt, indicating he/she can and will fulfill the Avoidance Measure(s) for that project. DEP recommends including Avoidance Measures in the Project Description. Please provide a copy of the PNDI Receipt signed as explained above and in the certification section as part of the Registration package.
 - o If the applicant cannot or chooses not to meet the Avoidance Measure(s), he/she must follow the same process for PNDI Receipts showing "Potential Impact", outlined below.

- o If the PNDI Receipt shows "Potential Impacts", DEP and the jurisdictional agencies require that the applicant provide additional information outlined in the PNDI Receipt, to the agencies noted on the Receipt for further review. Please provide a copy of the signed PNDI Receipt showing "Potential Impacts" AND the additional information outlined on the PNDI Receipt along with proof of delivery to the appropriate jurisdictional agency(ies) where further coordination is required. If this coordination is not complete prior to submitting the permit application/registration package; the application/registration will be subject to the concurrent review process as outlined below Concurrent Review:
- The applicant runs the PNDI search and will engage in consultation with the applicable jurisdictional agency(ies). DEP will allow technical review of the permit to occur concurrently with the T&E species and State species of special concern consultation with the jurisdictional agency(ies).
- If selecting a concurrent review, the applicant will include with the permit application/registration a signed PNDI Receipt processed through the PA Conservation Explorer OR PNDI receipts from each jurisdictional agency if the standard process of requesting a project review was used.
 - o It is important to note, however, that the concurrent review option carries certain risks and consequences to the applicant, including:
 - The permit may not be issued/acknowledged until each potential impact is resolved. See DEP's [Permit Review Process and Permit Decision Guarantee Policy, Document No. 021-2100-001](#) (PRP/PDG Policy).
 - The proposed activity subject to the permit application/registration may need to be redesigned as a result of the PNDI consultation ([PNDI Policy](#) pages 7-8). *Note: Any substantive project or design changes to the application will require a new application and fee to be submitted.*

9. Activities which impact wetlands (temporary and/or permanent):

For activities which will impact wetlands (temporary and/or permanent), the following are required to be provided as part of the Registration package:

- A wetland delineation with complete data sheets in accordance with the 1987 Corps of Engineers Wetland Delineation Manual AND the appropriate Regional Supplements to the Corps of Engineers Wetland Delineation Manual for use in Pennsylvania.
- If permanent direct or indirect wetland impacts are greater than 0.05 acres and require compensatory mitigation or an applicant offers compensatory mitigation to address potential anti-degradation concerns, include a wetland replacement, restoration or enhancement plan in accordance with the Department's Replacement criteria which provides a minimum one to one (1:1) wetland replacement ratio for both affected acreage and affected functions and values.
- If compensatory mitigation (for permanent direct or indirect wetland impacts) onsite is not feasible: A check payable to the National Fish and Wildlife Foundation, N.A. 1237, may be provided in accordance with the fee schedule below as compensatory mitigation for impacts in wetlands, in accordance with the Pennsylvania Wetland Replacement Project.

Fee Schedule:

Deminimus impact ≤ .05 acre	\$ 0.00	> .20 acre to .30 acre -	\$2,500.00
> .05 acre to .10 acre -	\$ 500.00	> .30 acre to .40 acre -	\$5,000.00
> .10 acre to .20 acre -	\$1,000.00	> .40 acre to .50 acre -	\$7,500.00

Applicant's Name / Client _____

FOR PENNSYLVANIA CHAPTER 105 WATER OBSTRUCTION AND ENCROACHMENT APPLICATION/REGISTRATION APPLICATION

Please begin to complete the Aquatic Resource Impact Table by including the Applicant's Name / Client (upper right of the page) for each page. Also, complete the Project / Site Name (upper left of the table) and the date of application/registration package submission (upper right of the table, under Applicant's Name / Client). Then complete one row of data for each regulated (PA DEP Chapter 105) structure or activity and type of impact for the proposed project based on the instructions for each column below; add additional worksheets if needed. Provide completed Aquatic Resource Impact Table with Chapter 105 Water Obstruction and Encroachment application/registration. DO NOT submit instructions (page 1) for this table.

DEP Permit Number: _____ leave blank, it will be completed by DEP upon permit acknowledgment/issuance/verification.
 Single Complete Crossing No.: _____ leave blank, it will be completed by DEP upon permit acknowledgment/issuance/verification.
 Crossing Number: _____ leave blank, it will be completed by DEP upon permit acknowledgment/issuance/verification.

Fees: _____ use the Chapter 105 Fee Calculation Worksheet 3150-PM-BWEW0553 to determine applicable fee(s), if needed.

Project Information: _____ provide the appropriate information based on the details on each impact for the project.
 Structure / Activity Identifier: _____ provide a unique identifier for each regulated structure and/or activity being proposed, typically a name and number; this same unique identifier should be used in all aspect of the permit registration/application package. (i.e. GP-5-1, GP-5-2)

Aquatic Resource Type: _____ provide the type of aquatic resource (based on watercourse, floodway or wetland) being impacted.
 Watercourse: _____ provide the type of watercourse being impacted: perennial or intermittent stream
 Floodway: _____ provide the type of floodway being impacted: crossing or paralleling to the stream
 Wetland: _____ provide the type of wetland being impacted: PEM, PSS, PFO or POW wetland

Latitude (nrad83): _____ provide the latitude of the aquatic resource impact in decimal degrees
 Longitude (nrad83): _____ provide the longitude of the aquatic resource impact in decimal degrees
 Waters Name: _____ provide the name of the stream or other body of water (if available)
 PA Code Chapter 93 Designation: _____ provide the Chapter 93 designation for the aquatic resource (i.e. HO-CWF, WWF, EY, MF)

PA DEP Chapter 105 Impacts: _____ provide the appropriate information based on the details on each impact for the project
 Work Proposed: _____ provide the type of work proposed to impact the resource: aerial utility line, horizontal drilling/boring, trench excavation or placement of fill
 PA DEP Impact Type: _____ provide the type of aquatic resource impact: temporary or permanent.
 Watercourse Impact: _____ provide the length and width in feet of impact. Indicate "r/a" if impact is to a wetland.
 Floodway Impact: _____ provide the length and width in feet of direct and indirect/secondary 100-year floodway impact. Indicate "r/a" if impact is to a wetland.
 Wetland Impact: _____ provide the length and width in feet of impact to wetlands; indicate "r/a" if impact is to a watercourse.

Project / Site Name: _____ Example Project		Project Information		Date: _____ 2018		PA DEP / 105								
PA DEP Permit Number	Single Complete Crossing No.	Crossing Number	Fee	Structure / Activity Unique Identifier	Aquatic Resource Type	Latitude dd nrad83	Longitude dd nrad83	Waters Name	PA Code Chapter 93 Designation	Work Proposed	DEP Impact Type / temp / perm	Watercourse Impact Top of Bank to Top of Bank Length and Width in feet	Floodway Impact Top of Bank Landward Length and Width in feet	Wetland Impact Length and Width in feet
	250	GP-5-1	N/A	GP-5-1	Perennial	417710531	77152930	Dunn Creek	CWF	Excavation	Temp	50 - 30	N/A	N/A
	250	GP-5-2		GP-5-2	PEM	417710618	77152945			Excavation	Temp	N/A	N/A	10 - 30
	350	GP-7-1		GP-7-1	Perennial	417710518	77152945	Dunn Creek	CWF	Excavation	Perm	20 - 30	100 - 30	

NOTE: Form 3150-PM-BWEW0557 or equivalent must be printed/submitted for this General Permit Registration or Joint Permit Application.

AQUATIC RESOURCE IMPACT TABLE
FOR PENNSYLVANIA CHAPTER 105 WATER OBSTRUCTION AND ENCROACHMENT APPLICATION / REGISTRATION

Applicant's Name / Client _____

Project / Site Name:

Date:

DEP USE ONLY		Project Information							PADEP / 105					
PADEP Permit Number	Single Complete Crossing No.	Crossing Number	Fee	Structure / Activity unique identifier	Aquatic Resource Type	Latitude dd mdd3	Longitude dd mdd3	Waters Name	PA Code Chapter 93 Designation	Work Proposed	DEP Impact Type / temp / perm	Watercourse Impact Top of Bank to Top of Bank Length and Width in feet	Floodway Impact Top of Bank Landward Length and Width in feet	Wetland Impact Dimension Length and Width in feet
												-	-	-
												-	-	-
												-	-	-
												-	-	-
												-	-	-
												-	-	-
												-	-	-
												-	-	-
												-	-	-

PADEP Impact Type: temporary or permanent.

Permanent Impacts are those areas affected by a water obstruction or encroachment that consist of both direct and indirect impacts that result from the placement or construction of a water obstruction or encroachment and include areas necessary for the operation and maintenance of the water obstruction or encroachment located in, along or across, or projecting into a watercourse, floodway or body of water.

Temporary Impacts are those areas affected during the construction of a water obstruction or encroachment that consists of both direct and indirect impacts located in, along or across, or projecting into a watercourse, floodway or body of water that are restored upon completion of construction. This does not include areas that will be maintained as a result of the operation and maintenance of the water obstruction or encroachment located in, along or across, or projecting into a watercourse, floodway or body of water (these are considered permanent impacts).

SECTION F. CERTIFICATION

Please sign, indicate title and date in the appropriate locations. The Registration package will not be accepted unless the original form and copy are signed and dated by the applicant/owner. **See SECTION A. APPLICANT INFORMATION.**

Clarification on applicant/owner signature:

Individual – The Registration form must be signed by all owners listed within the deed of the property or lease/rental agreement with their original signatures. *For Individual(s), no indication of title is necessary.*

Corporations – The Registration form must be signed by the President or Vice President, Attested by the Secretary (Assistant Secretary) or Treasurer (Assistant Treasurer).

If others are signing on behalf of the corporation, a document evidencing delegation of contracting authority must be provided. Acceptance of the delegated documentation is at the sole discretion of DEP. Absent satisfactory documentation of signatory authority, only the above officers will be accepted as appropriate signatories.

Government agencies – The Registration form must be signed by the Chief Officer or the President/Vice President of the government agency, if incorporated. Chief Clerk, Secretary or Treasurer Signature is required to witness or attest.

Partnerships – The Registration form must be signed by either one general partner to bind the partnership or all partners must sign. For Limited Partnerships (LP), where each individual is a general partner, any general partner may sign. If a corporation is a general partner, the signage must 1) indicate the name of the corporation, 2) that it is a general partner, and 3) the signature of the President or Vice President *and* the signature of the Secretary or Treasurer.

If others are signing on behalf of the Limited Partnership, a document evidencing delegation of contracting authority must be provided. Acceptance of the delegated documentation is at the sole discretion of DEP. Absent satisfactory documentation of signatory authority, only the above officers will be accepted as appropriate signatories.

Limited Liability Companies – The Registration form must be signed by a member for a Limited Liability Company (LLC), where it is member managed; where it is manager managed, a manager must sign. Please indicate whether the person is signing as a “Member” or as a “Manager” of the LLC, according to the Company’s Limited Liability Company Operating Agreement.

If anyone other than a “Member” or “Manager” are signing on behalf of the LLC, documentation of authority to sign on behalf of the LLC must be provided.

This GP shall not be authorized until the E&S Plan has been reviewed by the appropriate DEP Regional Office or District, Federal Authorization has been obtained and, where required, an SLLA has been obtained from DEP.

The acknowledged Registration form, the GP(s) terms and conditions, required Federal authorization(s), and the E&S Plan must be maintained and available at the project site during construction. Please remember the authorization is subject to all terms and conditions listed in the GP(s).

SECTION G. DECISION / DISPOSITION

Upon review of this Registration package, the applicant will receive a signed copy GP Registration form. The disposition status will indicate if the GP registration is acknowledging use of the GP(s), the GP registration has been withdrawn or if the GP registration is incomplete requiring additional information. Incomplete submissions will have 60 calendar days to submit information or the registration will be considered withdrawn. **Fees are not refundable.** Work on the project may NOT begin until federal authorization is obtained, if required. If the acknowledged use of this general permit does not have Federal authorization for this project attached, in accordance with procedures established with the U.S. Army Corps of Engineers, you will be contacted directly by the Corps regarding Federal Authorization.

NOTE: If the GP registration information is incomplete a copy of this registration form and requested additional information will be sent to the applicant. A copy of the returned registration form and additional information must be re-submitted within 60 calendar days unless extended by the extension date listed above.

THE FOLLOWING ITEMS ARE USEFUL IN IDENTIFYING RESOURCES:

- **Historic Places:** The Pennsylvania Historic and Museum Commission, Bureau for Historic Preservation manages the National Register of Historic Places for Pennsylvania. Access to these paper records is free and open to the public by appointment at the office in Harrisburg (see [Exhibit A - 3150-PM-BWEW0500A](#)).

Access to some of these data is available on the Cultural Resources Geographic Information System (CRGIS) at www.phmc.pa.gov/Preservation/Cultural-Resources-GIS/.

- **National Natural Landmarks:** Additional information on National Natural Landmarks and the National Registry of Natural Landmarks is available at www.nature.nps.gov/nnl/.
- **Exceptional Value and High Quality Waters (including Exceptional Value Wetlands):** Additional information on Exceptional Value (EV) and High Quality (HQ) waters can be found on DEP's website at [Statewide Existing Use Classifications](#) and [25 Pa. Code Chapter 93](#).

25 Pa. Code Chapter 93 also provides an important linkage to Exceptional Value Wetlands which are determined in [25 Pa. Code Chapter 105.17](#).

- **Threatened and Endangered Species:** (see also Section E, Items 13 & 14 for requirements and documentation): Additional information on the Pennsylvania Natural Heritage Program (PNHP) regarding the presence of Federal threatened and endangered (T&E) species and State T&E species and species of special concern on the project site and the PA Conservation Explorer, previously known as the Pennsylvania Natural Diversity Inventory (PNDI) Environmental Review Tool (PNDI ER Tool) can be accessed at www.naturalheritage.state.pa.us/Species.aspx.

First time users will have to register at the website before conducting the review. Upon completion of the review, a PNDI Receipt, valid for a period of two years from the date the search was conducted, is automatically available for printing.

- **Wild and Stocked Trout Waters:** Additional information on Wild and Stocked Trout Waters can be found at <http://www.fishandboat.com/fish/pennsylvaniafishes/trout/>.
- **Wild or Scenic Rivers:** Additional information on National or State Wild or Scenic rivers can be found at www.rivers.gov/pennsylvania.php and www.dcnr.pa.gov/Conservation/Water/RiversConservation/.
- **Wetlands:** (see also Section E, Item 15 for requirements and documentation): Additional information on the 1987 Corps of Engineers Wetlands Delineation Manual and the appropriate Regional Supplements to the Corps of Engineers Wetland Delineation Manual for use in Pennsylvania can be found at www.usace.army.mil/missions/civilworks/regulatoryprogramandpermits/reg_supp.aspx.
- **Additional Information:** Additional Information on resource identification (including agency contact information) can be found on GP Registration [Exhibit A - 3150-PM-BWEW0500A](#) and [Exhibit B \(3150-PM-BWEW0500B\)](#); on DEP's website at www.dep.pa.gov; and on DEP's eLibrary at www.depgreenport.state.pa.us/elibrary/.

CHAPTER 105 WATER OBSTRUCTIONS AND ENCROACHMENT GENERAL PERMIT REGISTRATION

SECTION A. APPLICANT INFORMATION

<input type="checkbox"/> FERC Natural Gas Activity Docket Number _____ Type of Facility _____ Has a Water Quality Certification (WQC) request been sent to DEP? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Activity Subject to FERC approval and/or Oil & Gas Exploration, Production, Storage or Transmission if the activity is regulated by FERC and provide the FERC docket number.	
--	--

Applicant's Name / Client	DEP Client ID# (if known)	Employer ID# (EIN)
Client Information - Please select Client Type / Code from drop down box under the correct entity shown below. (or may be written in) ↓		

Government	Non-Government	Individual

Mailing Address	City	State	ZIP + 4
Contact Person – Last Name First MI Suffix	Telephone ()	Email Address	

SECTION B. CONSULTANT INFORMATION (If applicable) N/A

Contact Person – Last Name First MI Suffix	Consultants Title	Consulting Firm
Mailing Address	City	State ZIP + 4
Telephone ()	Fax ()	Email Employer ID# (EIN)

SECTION C. PROJECT INFORMATION

Project / Site Name	DEP Site ID# (if known or leave blank)
Client Relationship - Please select Site-to-Client Relationship / Code from drop down box to the right. (or may be written in) →	Double-click on shaded area below to select correct Site-to-Client Relationship / Code ↓

County	Municipality <input type="checkbox"/> City <input type="checkbox"/> Borough <input type="checkbox"/> Township	Note: Municipal & County Notification is Required
Site Location / Address	City	State ZIP + 4

Collection Method: EMAP HGIS GISDR* ITPMP GPS WAAS LORAN
 Check the horizontal reference datum (or projection datum) employed in the collection method.
 EMAP and HGIS (PNDI) have known datum and do not require checking here. NAD27 NAD83 WGS84 (GEO84) LAT.: _____ LONG.: _____

NOTE: A Submerged Lands License Agreement (SLLA) with an annual fee, if applicable, may also be required for your project. You will be notified if an SLLA is required.

The [Aquatic Resources Impact Table \(SECTION E. PROPOSED IMPACTS\)](#) must be completed or equivalent submitted for this registration to be complete.

SECTION D. REGISTRATION CHECKLIST AND REQUIREMENTS

Please place an "X" next to each item (1-9) to ensure it is completed and/or provided.

Unless otherwise specified, all items are **required** to ensure a complete Registration package.

Provide ONE (1) ORIGINAL and ONE (1) COPY of the Registration package

**Please provide a copy of the Registration form to the Municipality & County in which the work will be performed.
Proof of receipt is not required to be provided to DEP.**

1. REGISTERING A GENERAL PERMIT (GP) check all that apply

Federal, State, county or municipal agencies or municipal authorities:

EXEMPT from fees

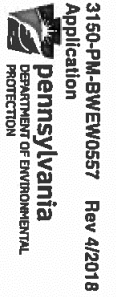
<input type="checkbox"/> GP-1	Fish Habitat Enhancement Structures.....	Per Project	\$ 50	= \$ _____
<input type="checkbox"/> GP-2	Small Docks and Boat Launching Ramps	Per Dock / Ramp _____ (#) X	\$ 175	= \$ _____
<input type="checkbox"/> GP-3	Bank Rehabilitation, Bank Protection and Gravel Bar Removal.....	Per Project _____ (#) X	\$ 250	= \$ _____
<input type="checkbox"/> GP-4	Intake and Outfall Structures.....	Per Structure _____ (#) X	\$ 200	= \$ _____
<input type="checkbox"/> GP-5	Utility Line Stream Crossings	Per Individual Utility _____ (#) X _____ (#) X	\$ 250	= \$ _____
<input type="checkbox"/> GP-6	Agricultural Crossings and Ramps	Per Crossing / Ramp _____ (#) X	\$ 50	= \$ _____
<input type="checkbox"/> GP-7	Minor Road Crossings ²	Per Crossing _____ (#) X	\$ 350	= \$ _____
<input type="checkbox"/> GP-8	Temporary Road Crossings ²	Per Crossing _____ (#) X	\$ 175	= \$ _____
<input type="checkbox"/> GP-9	Agricultural Activities.....	Per Project	\$ 50	= \$ _____
<input type="checkbox"/> GP-10	Abandoned Mine Reclamation	Per Project	\$ 500	= \$ _____
<input type="checkbox"/> GP-11	Maintenance, Testing, Repair, Rehabilitation, or Replacement of Water Obstructions and Encroachments ¹		\$ 750	+
<input type="checkbox"/>	Temporary Disturbance (\$400/0.1ac).....	_____ acres x \$4,000 =	\$ _____	+
<input type="checkbox"/>	Permanent Disturbance (\$800/0.1ac).....	_____ acres x \$8,000 =	\$ _____	= \$ _____
<input type="checkbox"/> GP-15	Private Residential Construction in Wetlands ¹		\$ 750	+
<input type="checkbox"/>	Temporary Disturbance (\$400/0.1ac).....	_____ acres x \$4,000 =	\$ _____	+
<input type="checkbox"/>	Permanent Disturbance (\$800/0.1ac).....	_____ acres x \$8,000 =	\$ _____	= \$ _____

GP(s) FEE subtotal (b) \$ _____

	Applicant Entry	DEP Use Only
2. Location Map (USGS quad map) with project site marked:	<input type="checkbox"/>	<input type="checkbox"/>
3. Color Photographs with dates, locations, and descriptions: <input type="checkbox"/> GP-3 <input type="checkbox"/> GP-11 <input type="checkbox"/> N/A	<input type="checkbox"/>	<input type="checkbox"/>
4. Project Description: (Example: Linear pipeline project using multiple GP-5's and GP-8's; One GP-7 for an access road to my property) _____ _____ _____	<input type="checkbox"/>	<input type="checkbox"/>
5. Site Specific and/or Standard Drawings are (required for all) project's GP activities. For Activities that qualify for GP-7 or GP-11 Plans, specifications, and reports for bridges and culverts across a stream which are to be used by the general public such as an access to an industrial, commercial or residential development, etc., shall be prepared by a registered professional engineer and shall be affixed with their seal and certification which shall read as follows on the drawings: If the project includes a bridge or culvert replacement or the proposed work will change the waterway opening, please complete and provide the <u>Bridge and/or Culvert Replacement Projects or Projects That Change the Waterway Opening (3150-PM-BWEW0552B)</u> worksheet. If the project consists of similar work (replacement or change in waterway opening) on more than one structure, provide the data requested for each structure included in this Registration package. <i>"I (name) do hereby certify pursuant to the penalties of 18 Pa. C.S.A. Sec. 4904 to the best of my knowledge, information and belief, that the information contained in the accompanying plans, specifications, and reports has been prepared in accordance with accepted engineering practice, is true and correct, and is in conformance with Chapter 105 of the rules and regulations of the Department of Environmental Protection."</i>	<input type="checkbox"/>	<input type="checkbox"/>
6. Proposed Project Purpose depicting the site of the projects GP activities and impacts. Briefly discuss the need for the authorization.	<input type="checkbox"/>	<input type="checkbox"/>
7. Erosion & Sediment Control Plan (E&S Plan) (Required for all GP's but specifically required with submission with a registration of GP-11 or GP's for oil and gas related activities submitted to DEP.)	<input type="checkbox"/>	<input type="checkbox"/>
8. Pennsylvania Natural Diversity Inventory (PNDI): PNDI Search Receipt and clearance letters, if available. See additional requirements for submission with Avoidance Measures and/or Potential Impacts.	<input type="checkbox"/>	<input type="checkbox"/>
9. Activities which impact wetlands: (For State Regulated Impacts) Please place an "X" next to the appropriate box indicating the information provided: <ul style="list-style-type: none"> ➤ N/A because no wetland impacts are proposed or no compensatory mitigation is necessary. <input type="checkbox"/> ➤ A wetland delineation with complete data sheets in accordance with the 1987 Corps of Engineers Wetland Delineation Manual AND the appropriate Regional Supplements to the Corps of Engineers Wetland Delineation Manual for use in Pennsylvania..... <input type="checkbox"/> ➤ If direct or indirect wetland impacts are greater than 0.05 acre, a compensatory mitigation plan in accordance with the Department's Replacement criteria which provides compensation for both affected acreage, and functions at a minimum of one to one ratio. <input type="checkbox"/> ➤ If compensatory mitigation onsite is determined not feasible: A check, number _____, in the amount of \$ _____ payable to the National Fish and Wildlife Foundation, N.A. 1237, as compensatory mitigation for _____ acres of impact in wetlands, in accordance with the Pennsylvania Wetland Replacement Project..... <input type="checkbox"/> <p style="text-align: center;">(Additional Mitigation May Be Required by U.S. Army Corps)</p>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
NOTE: If the Pennsylvania Wetland Replacement Fund is proposed to be used as compensatory mitigation for waters of the Commonwealth the U.S. Army Corps of Engineers may also require additional mitigation if the proposed activity impacts waters of the United States.		

SECTION E. PROPOSED IMPACTS

NOTE: Form 3150-PM-BWEW0557 or equivalent must be printed and submitted under this Section.



3150-PM-BWEW0557 Rev 4/2018
Application
Pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATERWAYS ENGINEERING AND WETLANDS

AQUATIC RESOURCE IMPACT TABLE
FOR PENNSYLVANIA CHAPTER 105 WATER OBSTRUCTION AND ENCROACHMENT APPLICATION / REGISTRATION

Applicant's Name / Client _____

Project / Site Name:		Project Information										PADEP / 105				
DEP USE ONLY		PADEP Permit Number	Single Complete Crossing No.	Crossing Number	Fee	Structure / Activity unique Identifier	Aquatic Resource Type	Latitude dd mddd	Longitude dd mddd	Waters Name	PA Code Chapter 93 Designation	Work Proposed	DEP Impact Type / perm	Watercourse Impact Top of Bank to Top of Bank Length and Width in feet	Floodway Impact Top of Bank Landward Length and Width in feet	Wetland Impact Dimension Length and Width in feet

PADEP Impact Type: temporary or permanent.

Permanent impacts are those areas affected by a water obstruction or encroachment that consist of both direct and indirect impacts that result from the placement or construction of a water obstruction or encroachment and include areas necessary for the operation and maintenance of the water obstruction or encroachment located in, along or across, or projecting into a watercourse, floodway or body of water.

Temporary impacts are those areas affected during the construction of a water obstruction or encroachment that consists of both direct and indirect impacts located in, along or across, or projecting into a watercourse, floodway or body of water that are restored upon completion of construction. This does not include areas that will be maintained as a result of the operation and maintenance of the water obstruction or encroachment located in, along or across, or projecting into a watercourse, floodway or body of water (these are considered permanent impacts).

SECTION F. CERTIFICATION

I certify under penalty of law that the information provided in this permit registration is true and correct to the best of my knowledge and information and that I possess the authority to undertake the proposed action. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. (If any of the information and/or plans is found to be in error, falsified, and/or incomplete, this authorization/verification may be subject to modification, suspension, or revocation in accordance with applicable regulations.) I further certify that this project complies with all the conditions of the general permit.

Signature of Applicant / Owner _____
Date

Typed / Printed Name

Typed / Printed Title

This General Permit shall not be effective until the owner has had their E&S Plan reviewed by the appropriate Regional Office or District, and, where required, obtained an SLLA from DEP.

THIS ACKNOWLEDGED COPY OF THIS GENERAL PERMIT REGISTRATION PACKAGE AND THE E&S PLAN MUST BE AVAILABLE AT THE PROJECT SITE DURING CONSTRUCTION.

SECTION G. DECISION / DISPOSITION – COMPLETED BY DEP

Decision Review:

DEP / District Reviewer Signature GP _____

Reviewer's Typed / Printed Name GP _____

NOTE: See Aquatic Resource Impact Table for any additional authorizations.

Disposition Status

Comments

- | | | |
|---|---|-------|
| <input type="checkbox"/> ACKNOWLEDGED | Date _____ | _____ |
| SLLA Required | <input type="checkbox"/> Yes Attached <input type="checkbox"/> No | _____ |
| <input type="checkbox"/> INCOMPLETE / DEFICIENCY | Date _____ | _____ |
| <input type="checkbox"/> EXTENSION REQUEST | Date _____ | _____ |
| <input type="checkbox"/> WITHDRAWN | Date _____ | _____ |

NOTE: If the GP registration information is incomplete a copy of this registration form and requested additional information will be sent to the applicant. A copy of the returned registration form and additional information must be re-submitted within 60 calendar days unless extended by the extension date listed above.

FEDERAL AUTHORIZATION

- Non-reporting PASPGP verification / authorization attached.
- Reporting – A copy of this General Permit registration package has been sent to the U.S. Army Corps of Engineers. Separate federal authorization may be required

NOTE: Please be advised that if the reporting box is checked you do not have Federal authorization for this project and such authorization may be required prior to starting your project. In accordance with Section 404 of the Clean Water Act, a Department of the Army authorization is required for the discharge of dredged and/or fill material into waters of the United States, including jurisdictional wetlands. Section 10 of the Rivers and Harbors Act also requires Department of the Army authorization for any work in, over, or under a navigable water of the United States. In accordance with procedures established with the U.S. Army Corps of Engineers, you will be contacted directly by the Corps regarding Federal Authorization.

EXHIBIT A

PENNSYLVANIA OFFICES

PENNSYLVANIA FISH AND BOAT COMMISSION

Regional Headquarters Address	County Responsibility
Northwest Region	
Regional Manager 11528 Highway 98 Meadville, PA 16335-7320 814-337-0444	Butler, Clarion, Crawford, Erie, Forest, Lawrence, Mercer, Venango and Warren
Southwest Region	
Regional Manager 236 Lake Road Somerset, PA 15501-1644 814-445-8974	Allegheny, Armstrong, Beaver, Cambria, Fayette, Greene, Indiana, Somerset, Washington and Westmoreland
Northcentral Region	
Regional Manager 595 East Rolling Ridge Drive Bellefonte, PA 16823 814-359-5250	Cameron, Centre, Clearfield, Clinton, Elk, Jefferson, Lycoming, McKean, Montour, Northumberland, Potter, Snyder, Tioga and Union
Southcentral Region	
Regional Manager 1704 Pine Road Newville, PA 17241 717-486-7087	Adams, Bedford, Blair, Cumberland, Dauphin, Franklin, Fulton, Huntingdon, Juniata, Lebanon, Mifflin, Northumberland (Mahatango Creek in Jordan and Lower Mahanoy Townships only), Perry and York
Southeast Region	
Regional Manager P.O. Box 9 Elm, PA 17521 717-626-0228	Berks, Bucks, Chester, Delaware, Lancaster, Lehigh, Montgomery, Northampton, Philadelphia and Schuylkill
Northeast Region	
Regional Manager 5566 Main Road Sweet Valley, PA 18656 570-477-5717	Bradford, Carbon, Columbia, Lackawanna, Luzerne, Monroe, Pike, Sullivan, Susquehanna, Wayne and Wyoming

DIVISION OF ENVIRONMENTAL SERVICES

595 East Rolling Ridge Drive, Bellefonte, PA 16823-9620

814-359-5147

DIVISION OF FISHERIES MANAGEMENT

595 East Rolling Ridge Drive, Bellefonte PA 16823-9620

814-359-5110

DIVISION OF FISHERIES MANAGEMENT

595 East Rolling Ridge Drive, Bellefonte, PA 16823-9620
814-359-5147

BUREAU OF LAW ENFORCEMENT

Aids to Navigation Coordinator
P.O. Box 67000, Harrisburg, PA 17106
717-705-7861

PENNSYLVANIA HISTORIC AND MUSEUM COMMISSION

BUREAU FOR HISTORIC PRESERVATION

Commonwealth Keystone Building,
400 North Street, 2nd Floor,
Harrisburg, PA 17120-0093
717-783-8946

PENNSYLVANIA DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES

**BUREAU OF FORESTRY
ECOLOGICAL SERVICES SECTION**

P.O. Box 8552,
Harrisburg, PA 17105-8852
717-787-3444

EXHIBIT B

**U.S. ARMY CORPS OF ENGINEERS DISTRICT OFFICES
AND
DEPARTMENT OF ENVIRONMENTAL PROTECTION REGIONAL OFFICES**

U.S. ARMY CORPS OF ENGINEERS DISTRICT OFFICES

Ohio River Basin Portions of Lake Erie and Genesee River Basins Located in PA	Susquehanna River Basin	Delaware River Basin
Pittsburgh District Corps of Engineers Regulatory Branch Federal Building, 20 th Floor 1000 Liberty Avenue Pittsburgh, PA 15222 Phone: 412-395-7155 Fax: 412-644-4211	Baltimore District Corps of Engineers Pennsylvania Field Office 1631 South Atherton Street, Suite 101 State College, PA 16801 Phone: 814-235-0570 Fax: 814-235-0576	Philadelphia District Corps of Engineers Regulatory Branch Wanamaker Building 100 Penn Square East Philadelphia, PA 19107 Phone: 215-656-6725 Phone: 215-656-6729 (to report violations) Fax: 215-656-6724

DEPARTMENT OF ENVIRONMENTAL PROTECTION REGIONAL OFFICES

General Permit Registrations associated with oil and gas activities -

The General Permit Registration form and other associated documents must be sent to the appropriate DEP Bureau of Oil and Gas Management, Surfaces Permitting Section, Regional Office listed below.

**Bureau of Oil and Gas Management
Surfaces Permitting Section**

County Responsibility

Northwest District Oil & Gas Operations Office

230 Chestnut Street
 Meadville, PA 16335
 (814) 332-6860

Butler, Clarion, Crawford, Elk, Erie, Forest, Jefferson,
 Lawrence, McKean, Mercer, Venango and Warren

Southwest District Oil & Gas Operations Office

400 Waterfront Drive
 Pittsburgh, PA 15222-4745
 (412) 442-4281

Allegheny, Armstrong, Beaver, Cambria, Fayette,
 Greene, Indiana, Somerset, Washington and
 Westmoreland

Eastern District Oil & Gas Operations Office

208 W. Third Street, Suite 101
 Williamsport, PA 17701
 (570) 321-6550

Adams, Bedford, Berks, Blair, Bradford, Bucks, Carbon,
 Cameron, Centre, Chester, Clearfield, Clinton, Columbia,
 Cumberland, Dauphin, Delaware, Franklin, Fulton,
 Huntingdon, Juniata, Lackawanna, Lancaster, Lebanon,
 Lehigh, Luzerne, Lycoming, Mifflin, Monroe, Montgomery,
 Montour, Northampton, Northumberland, Perry,
 Philadelphia, Pike, Potter, Schuylkill, Snyder, Sullivan,
 Susquehanna, Tioga, Union, Wayne, Wyoming and York

DEPARTMENT OF ENVIRONMENTAL PROTECTION REGIONAL OFFICES continued***General Permit Registrations not associated with oil and gas activities –***

The General Permit Registration form and other associated documents must be sent to the appropriate delegated County Conservation District (see Exhibit C). This process does not apply to GP-11 or GP-15, which are sent to the DEP Regional Offices.

If the County Conservation District has not been delegated responsibility under the Chapter 105 program the General Permit Registration form and other associated documents must be sent to the appropriate DEP Permitting and Technical Service Section, Regional Office listed below.

Waterways and Wetlands Program Section	County Responsibility
Northwest Regional Office 230 Chestnut Street Meadville, PA 16335 (814) 332-6984	Butler, Clarion, Crawford, Elk, Erie, Forest, Jefferson, Lawrence, McKean, Mercer, Venango and Warren
Southwest Regional Office 400 Waterfront Drive Pittsburgh, PA 15222-4745 (412) 442-4000	Allegheny, Armstrong, Beaver, Cambria, Fayette, Greene, Indiana, Somerset, Washington and Westmoreland
Northcentral Regional Office 208 W. Third Street, Suite 101 Williamsport, PA 17701 (570) 327-3574	Bradford, Cameron, Centre, Clearfield, Clinton, Columbia, Lycoming, Montour, Northumberland, Potter, Snyder, Sullivan, Tioga and Union
Southcentral Regional Office 909 Elmerton Avenue, Second Floor Harrisburg, PA 17110 (717) 705-4802	Adams, Bedford, Berks, Blair, Cumberland, Dauphin, Franklin, Fulton, Huntingdon, Juniata, Lancaster, Lebanon, Mifflin, Perry and York
Northeast Regional Office 2 Public Square Wilkes-Barre, PA 18711-0790 (570) 826-2511	Carbon, Lackawanna, Lehigh, Luzerne, Monroe, Northampton, Pike, Schuylkill, Susquehanna, Wayne and Wyoming
Southeast Regional Office 2 East Main Street Norristown, PA 19401 (484) 250-5970	Bucks, Chester, Delaware, Montgomery and Philadelphia

Delegated Programs

- ◆ Chapter 105
- NPDES and E&S Permits

EXHIBIT C

CONSERVATION DISTRICTS

- Adams County
670 Old Harrisburg Rd., Suite 201
Gettysburg, PA 17325
717-334-0636
- Allegheny County
◆ 33 Terminal Way, Suite 325B
Pittsburgh, PA 15219
412-241-7645
- Armstrong County
Armsdale Admin. Building
124 Armsdale Rd., Suite B-2
Kittanning, PA 16201
724-548-3425
- Beaver County
◆ 156 Cowpath Rd.
Aliquippa, PA 15001
724-378-1701
- Bedford County
702 W. Pitt St., Suite 4
Bedford, PA 15522
814-623-7900 Ext. 4
- Berks County
◆ 1238 County Welfare Rd., Suite 200
Leesport, PA 19533
610-372-4657 Ext. 5
- Blair County
1407 Blair St.
Hollidaysburg, PA 16648
814-696-0877 Ext. 5
- Bradford County
◆ Stoll Natural Resource Center
RR 5, Box 5030C,
Towanda, PA 18848
570-265-5539 Ext. 6
- Bucks County
1456 Ferry Rd., Suite 704
Doylestown, PA 18901
215-345-7577
- Butler County
◆ 122 McCune Dr.
Butler, PA 16001
724-284-5270
- Cambria County
◆ 401 Candlelight Dr., Suite 221
Ebensburg, PA 15931
814-472-2120
- Cameron County
◆ 20 E. Fifth St., Room 105
Emporium, PA 15834
814-486-9353
- Carbon County
5664 Interchange Rd.
Lehighton, PA 18235
610-377-4894 Ext. 4
- Centre County
◆ 414 Holmes Ave., Suite 4
Bellefonte, PA 16823
814-355-6817
- Chester County
Willowdale Town Center
688 Unionville Rd., Suite 200
Kennett Square, PA 19348
610-925-4920
- Clarion County
214 S. 7th Ave
Clarion, PA 16214
814-297-7813
- Clearfield County
6395 Clearfield Woodland Hwy
Suite 2
Clearfield, PA 16830
814-765-2629
- Clinton County
◆ 45 Cooperation Lane
Mill Hall, PA 17751
570-726-3798
- Columbia County
◆ 702 Sawmill Rd., Suite 204
Bloomsburg, PA 17815
570-784-1310 Ext. 5
- Crawford County
◆ Woodcock Creek Nature Center
21742 German Rd.
Meadville, PA 16335
814-763-5269
- Cumberland County
310 Allen Rd., Suite 301
Carlisle, PA 17013
717-240-7812
- Dauphin County
1451 Peters Mountain Rd.
Dauphin, PA 17018
717-921-8100
- Delaware County
◆ Rose Tree Park Hunt Club
1521 N. Providence Rd.
Media, PA 19063
610-892-9484
- Elk County
◆ 850 Washington St.
St. Mary's, PA 15857
814-776-5373
- Erie County
◆ 1927 Wager Rd.
Erie, PA 16509
814-825-6403
- Fayette County
10 Nickman Plaza
Lemont Furnace, PA 15456
724-438-4497
- Forest County
526 Elm St., Box 4
Tionesta, PA 16353
814-755-3560
- Franklin County
185 Franklin Farm Lane
Chambersburg, PA 17202
717-264-5499
- Fulton County
216 N. Second St., Suite 15
McConnellsburg, PA 17233
717-485-3547
- Greene County
◆ 22 W. High St., Suite 204
Waynesburg, PA 15370-1839
724-852-5273
- Huntingdon County
10605 Raystown Rd., Suite A
Huntingdon, PA 16652
814-627-1627
- Indiana County
◆ 625 Kolter Dr., Suite 8
Indiana, PA 15701
724-471-4751
- Jefferson County
◆ 1514 Route 28
Brookville, PA 15825
814-849-7463
- Juniata County
146 Stoney Creek Dr.
Mifflintown, PA 17059
717-436-8953 Ext. 5
- Lackawanna County
1038 Montdale Rd., Suite 109
Scott, PA 18447
570-382-3086
- Lancaster County
◆ 1383 Arcadia Rd., Room 200
Lancaster, PA 17601-3149
717-299-5361 Ext. 5
- Lawrence County
430 Court St.
New Castle, PA 16101
724-652-4512

- Lebanon County
Lebanon Valley Ag. Center
2120 Cornwall Rd., Suite 5
Lebanon, PA 17042-9788
717-272-3908 Ext. 4
- Lehigh County
Lehigh Ag. Center, Suite 105
4184 Dorney Park Rd.
Allentown, PA 18104
610-391-9583
- Luzerne County
325 Smiths Pond Rd.
Shavertown, PA 18708
570-674-7991
- Lycoming County
542 County Farm Rd., Suite 202
Montoursville, PA 17754
570-433-3003
- McKean County
◆17137 Route 6
Smethport, PA 16749
814-887-4001
- Mercer County
◆24 Avalon Ct., Suite 300
Mercer, PA 16137-5023
724-662-2242
- Mifflin County
20 Windmill Hill #4
Burnham, PA 17009
717-248-4695
- Monroe County
◆8050 Running Valley Rd.
Stroudsburg, PA 18360
570-629-3060
- Montgomery County
143 Level Rd.
Collegeville, PA 19426
610-489-4506
- Montour County
◆14 E. Mahoning St.
Danville, PA 17821
570-271-1140
- Northampton County
Greystone Building.
14 Gracedale Ave.
Nazareth, PA 18064
610-829-6276
- Northumberland County
◆441 Plum Creek Rd.
Sunbury, PA 17801
570-495-4665 Ext. 4
- Perry County
P.O. Box 36
31 W. Main St.,
New Bloomfield, PA 17068
717-582-8988 Ext. 4
- Pike County
◆556 Route 402
Hawley, PA 18428
570-226-8220
- Potter County
◆107 Market St.
Coudersport, PA 16915
814-274-8411 Ext. 4
- Schuylkill County
1206 AG Center Dr.
Pottsville, PA 17901
570-622-3742 Ext. 5
- Snyder County
10541 Route 522
Middleburg, PA 17842
570-837-3000 Ext. 0
- Somerset County
6024 Glades Pike, Suite 103
Somerset, PA 15501
814-445-4652 Ext. 5
- Sullivan County
9219 Route 487, Suite B
Dushore, PA 18614
570-928-7057
- Susquehanna County
◆88 Chenango St.
Montrose, PA 18801
570-278-2497
- Tioga County
◆1867 Shumway Hill Rd.
Wellsboro, PA 16901
570-724-1801 Ext. 3
- Union County
◆155 N. 15th St.
Lewisburg, PA 17837
570-524-3860
- Venango County
1793 Cherrytree Rd.
Franklin, PA 16323
814-676-2832
- Warren County
◆4000 Conewango Ave.
Warren, PA 16365
814-726-1441
- Washington County
◆2800 N. Main St., Suite 105
Washington, PA 15301
724-228-6774
- Wayne County
◆Wayne Co. Park St. Complex
648 Park St.
Honesdale, PA 18431
570-253-0930
- Westmoreland County
◆Center for Conservation Ed.
218 Donohoe Rd.
Greensburg, PA 15601
724-837-5271
- Wyoming County
21 Hollowcrest Complex
Tunkhannock, PA 18657
570-836-2589 Ext. 3
- York County
118 Pleasant Acres Rd.
York, PA 17402
717-840-7430

CHAPTER 105 FEE(S) CALCULATION WORKSHEET

Additional information can be found at [25 PA Code §105.13](#) (relating to regulated activities – information and fees), the General Permit Registration ([3150-PM-BWEW0500](#)), the Joint Permit Application ([3150-PM-BWEW0036](#)) and the Dam Permit Application ([3140-PM-BWEW0001](#))

Federal, State, county or municipal agencies or municipal authorities:

EXEMPT from fees

These entities are exempt from these fees. If the applicant falls into one of these categories, please check the box above and provide only the first page of this worksheet with the project application or registration.

ALL OTHERS:

1. Please place an “X” in the box next to all authorizations that apply to the project and complete the fee information below those authorization(s). Projects may require multiple authorizations and fees, further clarification and examples are included below and at the end of this document.
2. Total each authorization, Section, and Part. Part One is for Water Obstructions and Encroachment authorizations, Part Two is for Dam Safety authorizations.
3. Please provide this completed worksheet (page 1 and page 2 and/or page 3, as is appropriate to the project) and a check for the applicable fee(s) with the project application or registration. The check should be made payable to the “**Commonwealth of Pennsylvania Clean Water Fund**” OR “**_____ Conservation District Clean Water Fund**”, whichever is the reviewing entity.

NOTES:

Per 25 PA Code §105.13(c)(2)(iii) Disturbance review fees are calculated by individually adding all of the permanent and temporary impacts to waterways, floodways, floodplains and bodies of water including wetlands to the next highest tenth acre and multiplying the permanent and temporary impacts by the respective fees and then these amounts are added to the other applicable fees.

Entities proposing structures or activities to occupy a Submerged Lands of the Commonwealth must obtain a Submerged Lands License Agreement (SLLA) and pay the appropriate annual charge. The applicant will be contacted if this charge applies to the project.

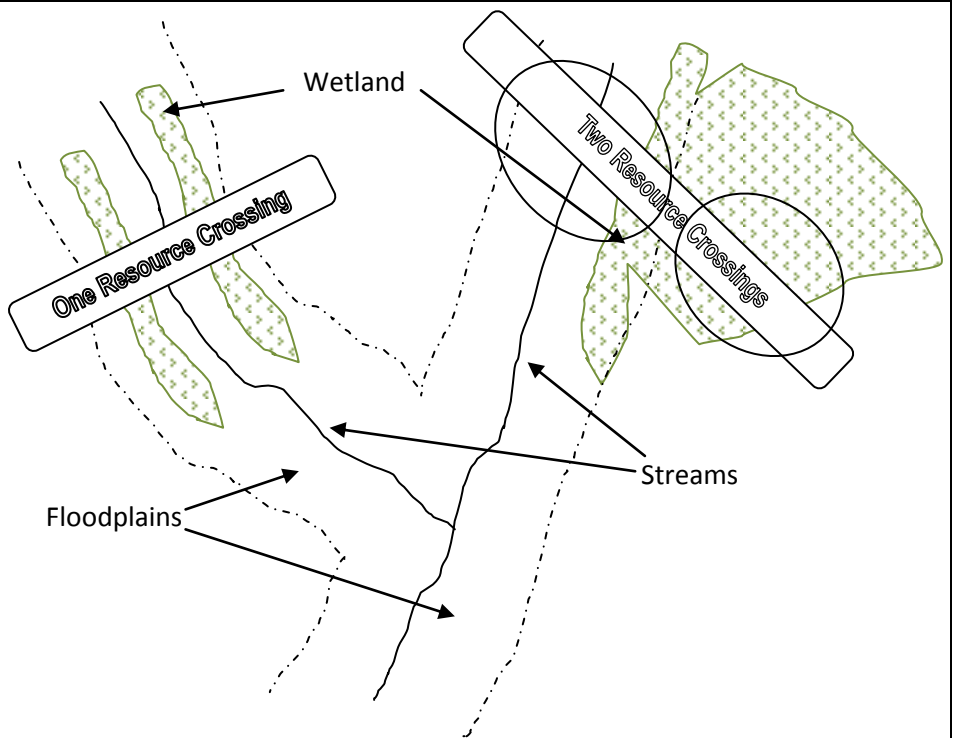
Floodway – The channel of the watercourse and portions of the adjoining floodplains which are reasonably required to carry and discharge the 100-year frequency flood. Unless otherwise specified, the boundary of the floodway is as indicated on maps and flood insurance studies provided by FEMA. In an area where no FEMA maps or studies have defined the boundary of the 100-year frequency floodway, it is assumed, absent evidence to the contrary, that the floodway extends from the stream to 50 feet from the top of the bank of the stream.

Wetland and Stream Clarification:

¹ In many instances, wetlands are located within the floodplain of a stream. These resources for the purposes of calculating disturbance fees are considered co-located or overlapping and the area of disturbance would only be used once.

² In the case of GP-5, GP-7 and GP-8 fees are charged per structure per resource crossing and the following also applies to the disturbance fees:

- A crossing of the stream and the floodplain with wetlands present within the floodplain is considered one resource crossing.
- When the crossing traverses a stream and the floodplain and a wetland that is located outside of the floodplain or a wetland that extends out beyond the floodplain, it is considered two resource crossings.



PART ONE: WATER OBSTRUCTIONS AND ENCROACHMENTS

SECTION A. APPLICATION FEES

WATER OBSTRUCTION AND ENCROACHMENT PERMIT (Joint Permit Application)

Some activities or structures within a project may also qualify for an accumulation of General Permit fees, please mark the box above indicating an Individual Water Obstruction and Encroachment Permit AND the corresponding fee(s) in the General Permit section below those. Activities or structures not qualifying for a General Permit fee must include a disturbance fee.

<input type="checkbox"/> Administrative Filing Fee ¹		\$ 1,750	+	
<input type="checkbox"/> Temporary Disturbance (\$400/0.1ac)	_____ acres x \$4,000 =	\$ _____	+	
<input type="checkbox"/> Permanent Disturbance (\$800/0.1ac)	_____ acres x \$8,000 =	\$ _____		= \$ _____
WO&E FEE subtotal (a)				\$ _____

GENERAL PERMIT(S) (select activity/structure(s) below, see page 4 for “#” explanation)

Some activities or structures within a project requiring an Individual Water Obstruction and Encroachment Permit may qualify for an accumulation of General Permit fees, please mark the corresponding fee(s) below but not the box above indicating a General Permit.

<input type="checkbox"/> GP-1 Fish Habitat Enhancement Structures		\$ 50		= \$ _____
<input type="checkbox"/> GP-2 Small Docks and Boat Launching Ramps.....	_____ (#) X	\$ 175		= \$ _____
<input type="checkbox"/> GP-3 Bank Rehabilitation, Bank Protection and Gravel Bar Removal	_____ (#) X	\$ 250		= \$ _____
<input type="checkbox"/> GP-4 Intake and Outfall Structures	_____ (#) X	\$ 200		= \$ _____
<input type="checkbox"/> GP-5 Utility Line Stream Crossings ²	_____ (#) X _____ (#) X	\$ 250		= \$ _____
<input type="checkbox"/> GP-6 Agricultural Crossings and Ramps	_____ (#) X	\$ 50		= \$ _____
<input type="checkbox"/> GP-7 Minor Road Crossings ²	_____ (#) X	\$ 350		= \$ _____
<input type="checkbox"/> GP-8 Temporary Road Crossings ²	_____ (#) X	\$ 175		= \$ _____
<input type="checkbox"/> GP-9 Agricultural Activities		\$ 50		= \$ _____
<input type="checkbox"/> GP-10 Abandoned Mine Reclamation		\$ 500		= \$ _____
<input type="checkbox"/> GP-11 Maintenance, Testing, Repair, Rehabilitation, or Replacement of Water Obstructions and Encroachments ¹		\$ 750	+	
<input type="checkbox"/> Temporary Disturbance (\$400/0.1ac)	_____ acres x \$4,000 =	\$ _____	+	
<input type="checkbox"/> Permanent Disturbance (\$800/0.1ac)	_____ acres x \$8,000 =	\$ _____		= \$ _____
<input type="checkbox"/> GP-15 Private Residential Construction in Wetlands ¹		\$ 750	+	
<input type="checkbox"/> Temporary Disturbance (\$400/0.1ac)	_____ acres x \$4,000 =	\$ _____	+	
<input type="checkbox"/> Permanent Disturbance (\$800/0.1ac)	_____ acres x \$8,000 =	\$ _____		= \$ _____
GP(s) FEE subtotal (b)				\$ _____

PART ONE: SECTION A. APPLICATION FEE(S) subtotal (a+b=c) \$ _____

SECTION B. OTHER FEES

<input type="checkbox"/> Environmental Assessment for Waived Activities (§105.13(c)(2)(iv))		\$ 500		\$ _____
<input type="checkbox"/> Amendment to Water Obstruction and Encroachment Permit				
<input type="checkbox"/> Major Amendment ¹		\$ 500	+	
<input type="checkbox"/> Temporary Disturbance	_____ acres x \$4,000 =	\$ _____	+	\$ _____
<input type="checkbox"/> Permanent Disturbance	_____ acres x \$8,000 =	\$ _____		= \$ _____
<input type="checkbox"/> Minor Amendment		\$ 250		\$ _____

Transfer of Water Obstruction and Encroachment Permit *does not require submission of this form;*
see [Application for Transfer of Permit / Submerged Lands License Agreement \(3150-PM-BWEW-0016\)](#)

PART ONE: SECTION B. OTHER FEE(S) subtotal (d) \$ _____

PART ONE: FEE(S) TOTAL (c+d=e) \$ _____

DEP USE ONLY

FEE TOTAL: _____	Permit / Authorization Number (s): _____
Correct Amount: _____	Check #: _____
Check Amount: _____	Payable to: _____

PART TWO: DAM SAFETY (USE ONE FEE SHEET PER DAM)

SECTION A. APPLICATION FEES

DAM PERMIT APPLICATION – NEW DAM

- Size A Hazard 1 \$26,500 Hazard 2 \$26,500 Hazard 3 \$25,500 Hazard 4 \$23,500 \$ _____
- Size B Hazard 1 \$19,000 Hazard 2 \$19,000 Hazard 3 \$18,500 Hazard 4 \$17,000 \$ _____
- Size C Hazard 1 \$10,500 Hazard 2 \$10,500 Hazard 3 \$10,000 Hazard 4 \$ 8,000 \$ _____

STAGED CONSTRUCTION

NO. OF STAGES BEYOND INITIAL STAGE _____ X APPLICATION FEE _____ X 0.90 (90%) \$ _____

DAM PERMIT APPLICATION – MODIFICATION OF DAM

- Size A Hazard 1 \$18,500 Hazard 2 \$18,500 Hazard 3 \$18,500 Hazard 4 \$18,000 \$ _____
- Size B Hazard 1 \$12,000 Hazard 2 \$12,000 Hazard 3 \$12,000 Hazard 4 \$11,500 \$ _____
- Size C Hazard 1 \$ 7,500 Hazard 2 \$ 7,500 Hazard 3 \$ 7,500 Hazard 4 \$ 7,500 \$ _____

STAGED CONSTRUCTION

NO. OF STAGES BEYOND INITIAL STAGE _____ X APPLICATION FEE _____ X 0.85 (85%) \$ _____

DAM PERMIT APPLICATION – OPERATION & MAINTANANCE OF EXISTING DAM

- Size A Hazard 1 \$12,500 Hazard 2 \$12,500 Hazard 3 \$12,000 Hazard 4 \$10,000 \$ _____
- Size B Hazard 1 \$10,000 Hazard 2 \$10,000 Hazard 3 \$ 9,500 Hazard 4 \$ 8,500 \$ _____
- Size C Hazard 1 \$ 7,000 Hazard 2 \$ 7,000 Hazard 3 \$ 6,500 Hazard 4 \$ 6,000 \$ _____

PART TWO: SECTION A. APPLICATION FEE(S) subtotal (a) \$ _____

SECTION B. OTHER FEES

Letter of Amendment or Authorization

Major (≥\$250,000)

- Size A \$14,700 Size B \$ 8,700 Size C \$ 4,400 \$ _____

Minor (<\$250,000)

- Size A \$ 1,300 Size B \$ 1,000 Size C \$ 650 \$ _____

Major Dam Design Revision

- Size A \$ 4,700 Size B \$ 3,200 Size C \$ 1,700 \$ _____

Environmental Assessment

Environmental Assessment for Dam Removal (§105.12(a)(16)) \$ 500 \$ _____

Non-Jurisdictional Dams \$ 900 \$ _____

Letter of Amendment or Authorization

- Size A \$ 1,400 Size B \$ 1,000 Size C \$ 900 \$ _____

Transfer of Dam Permit

No Proof of Financial Responsibility \$ 550 Proof of Financial Responsibility \$300 \$ _____

Annual Registration

- Hazard 1 \$ 1,500 Hazard 2 \$ 1,500 Hazard 3 \$ 800 \$ _____

PART TWO: SECTION B. OTHER FEE(S) subtotal (b) \$ _____

PART TWO: FEE(S) TOTAL (a+b=c) \$ _____

DEP USE ONLY

FEE TOTAL:	_____	Permit / Authorization Number (s):	_____
Correct Amount:	_____	Check #:	_____
Check amount:	_____	Payable to:	_____

GP Fee Explanation (#):

GP #	Description	Fee	Fee Explanation (#)
GP-1	Fish Habitat Enhancement Structures	\$ 50	Fee is assessed per project not per individual structure.
GP-2	Small Docks and Boat Launching Ramps	\$175	Fee is assessed per individual dock or boat ramp. The fee is the number of docks and ramps totaled times the fee.
GP-3	Bank Rehabilitation, Bank Protection and Gravel Bar Removal	\$250	Fee is assessed per project and not individual bank or gravel bar removal locations. Only one single and complete project along a continuous stream reach not exceeding 500 feet measured down centerline of stream. Additional projects or areas must be separately registered and the fee would apply to each registration.
GP-4	Intake and Outfall Structures	\$200	Fee is assessed per individual intake or outfall structure. The fee is the total number of structures times the fee.
GP-5 ²	Utility Line Stream Crossings ²	\$250	Fee is assessed per individual utility line or conduit crossing (a wetland and stream crossing may be separate crossings even if adjacent). The fee is the total number of utility lines times the number of resource crossings times the fee.
GP-6	Agricultural Crossings and Ramps	\$ 50	Fee is assessed per individual crossing or ramp structure. The fee is the total number of crossings and ramps times the fee.
GP-7 ²	Minor Road Crossings ²	\$350	Fee is assessed per individual minor road crossing (a wetland and stream crossing may be separate crossings even if adjacent). The fee is the total number of road crossings times the fee.
GP-8 ²	Temporary Road Crossings ²	\$175	Fee is assessed per individual temporary road crossing (a wetland and stream crossing may be separate crossings even if adjacent). The fee is the total number of temporary road crossings times the fee.
GP-9	Agricultural Activities	\$ 50	Fee is assessed per project not per individual structure or activity. Multiple projects can be registered under a single registration and as such the fee is applied to each project and then totaled.
GP-10	Abandoned Mine Reclamation	\$500	Fee is assessed per project not per individual activity. Multiple projects can be registered under a single registration and as such the fee is applied to each project and then totaled.
GP-11 ¹	Maintenance, Testing, Repair, Rehabilitation, or Replacement of Water Obstructions and Encroachments ¹	\$750	Fee is assessed for each registration package (can include multiple activities or structures) and is added to the permanent and temporary disturbance review fees calculated for each registration package respectively.
GP-15 ¹	Private Residential Construction in Wetlands ¹	\$750	Fee is assessed for each registration package (can include multiple activities or structures) and is added to the permanent and temporary disturbance review fees calculated for each registration package respectively.

Water Obstruction and Encroachment Examples:

1. **GP-7 Minor Road Crossing:** Minor road crossing of a stream that qualifies for BDWM GP-07.

GENERAL PERMIT(S) (select activity/structure(s) below)

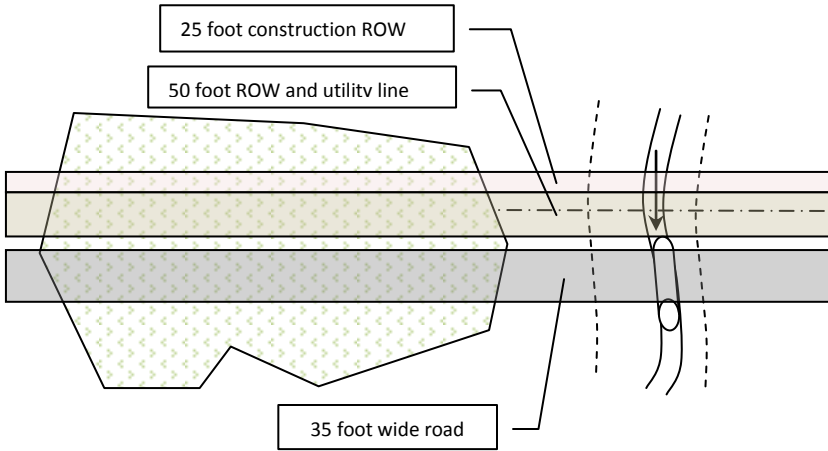
Some activities or structures within a project requiring an Individual Water Obstruction and Encroachment Permit may qualify for an accumulation of General Permit fees, please mark the corresponding fee(s) below but not the box above indicating a General Permit.

GP-7 Minor Road Crossings..... 1 (#) x \$ 350 = \$ 350
GP(s) FEE subtotal (b) \$ 350

2. **Joint Permit Application for Individual Water Obstruction Encroachment Permit:** The project proposes to construct an access road requiring the placement of fill in 0.27 acres of wetlands as part of a residential subdivision.

Administrative Filing Fee \$ 1,750 +
 Temporary Disturbance (\$400/0.1ac)..... 0.0 acres x \$4,000 = \$ 0 +
 Permanent Disturbance (\$800/0.1ac)..... 0.3 acres x \$8,000 = \$ 2,400 = \$ 4,150
WO&E FEE subtotal (a) \$ 4,150

3. Joint Permit Application for Individual Water Obstruction Encroachment Permit: The project proposes to construct an access road and utility line through a wetland and stream. The road will require placement of fill in 0.28 acres of wetlands, placement of a 45 foot long x 36 inch CMP in the stream and placement of fill in the floodway for road approaches to the culvert (east approach 35 feet wide x 4 feet deep x 50 feet long and west approach 35 feet wide x 2 feet deep x 15 feet). The utility line is 30 inch diameter steel pipe carrying petroleum products. The utility line will be open trenched through the wetland with a permanent right of way of 50 feet x 350 feet and an additional construction right of way 25 feet x 350 feet. The utility line will be open trenched traversing through the entire floodway and stream with a permanent right of way totaling 50 feet x 68 feet (east floodway 50 feet x 50 feet, stream 50 feet x 3 feet and west floodway 50 feet x 15 feet) and an additional construction right of way 25 feet x 68 feet.



Impact Calculations and Summary

Resource/Impact Type	Permanent	Temporary
Wetland		
Road	0.28	0
Utility Const. ROW	0	0.2
Utility Perm. ROW	0.4	0
Floodway/Stream		
Road	0.05	0
Utility Const. ROW	0	0.04
Utility Perm. ROW	0.08	0
Totals:	0.81	0.24
Rounded Totals:	0.9	0.3

<input checked="" type="checkbox"/> Administrative Filing Fee	\$ 1,750	+	
<input checked="" type="checkbox"/> Temporary Disturbance (\$400/0.1ac)..... <u>0.3</u> acres x \$4,000 =	\$ <u>1,200</u>	+	
<input checked="" type="checkbox"/> Permanent Disturbance (\$800/0.1ac)..... <u>0.9</u> acres x \$8,000 =	\$ <u>7,200</u>		= \$ <u>10,150</u>
WO&E FEE subtotal (a)			\$ <u>10,150</u>

4. Joint Permit Application for Individual Water Obstruction Encroachment Permit: The project proposes to construct a building, two minor road crossings that qualify for BDWM GP-07 and place three separate utility lines through a wetland and a separate stream that qualify for BDWM GP-05. The building will require placement of fill in 0.17 acres of wetlands.

<input checked="" type="checkbox"/> Administrative Filing Fee	\$ 1,750	+	
<input type="checkbox"/> Temporary Disturbance (\$400/0.1ac)..... <u>0.0</u> acres x \$4,000 =	\$ <u>0</u>	+	
<input checked="" type="checkbox"/> Permanent Disturbance (\$800/0.1ac)..... <u>0.2</u> acres x \$8,000 =	\$ <u>1,600</u>		= \$ <u>3,350</u>
WO&E FEE subtotal (a)			\$ <u>3,350</u>

GENERAL PERMIT(S) (select activity/structure(s) below)

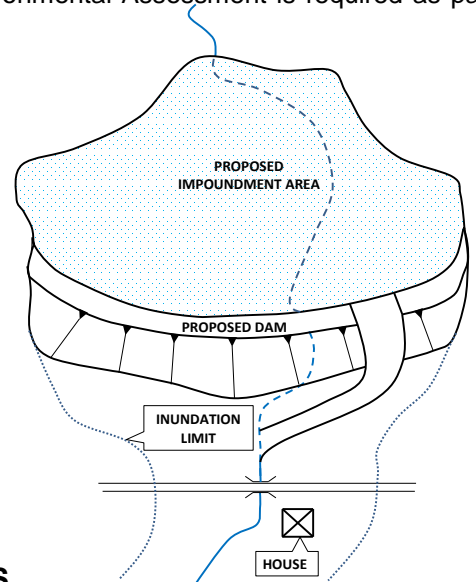
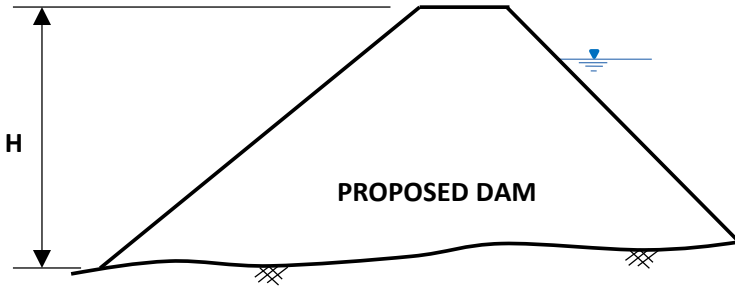
Some activities or structures within a project requiring an Individual Water Obstruction and Encroachment Permit may qualify for an accumulation of General Permit fees, please mark the corresponding fee(s) below but not the box above indicating a General Permit.

<input checked="" type="checkbox"/> GP-5 Utility Line Stream Crossings..... <u>6</u> (#) x	\$ 250		= \$ <u>1,500</u>
<input checked="" type="checkbox"/> GP-7 Minor Road Crossings..... <u>2</u> (#) x	\$ 350		= \$ <u>700</u>
GP(s) FEE subtotal (b)			\$ <u>2,200</u>

PART ONE: SECTION A. APPLICATION FEE(S) subtotal (a+b=c) \$ 5,550

Dam Safety Examples:

5. New Dam Permit Application: This project proposes to construct a 25-foot high dam that has a maximum storage of 500 acre-feet of water. This dam would be classified as a size category "C" dam per §105.91. There is one home and one roadway within the inundation area downstream of the dam. This dam would have a hazard classification of "2". All stream and wetland impacts are covered under the Dam Permit Application. An Environmental Assessment is required as part of the Dam Permit Application, but a separate fee is not required.

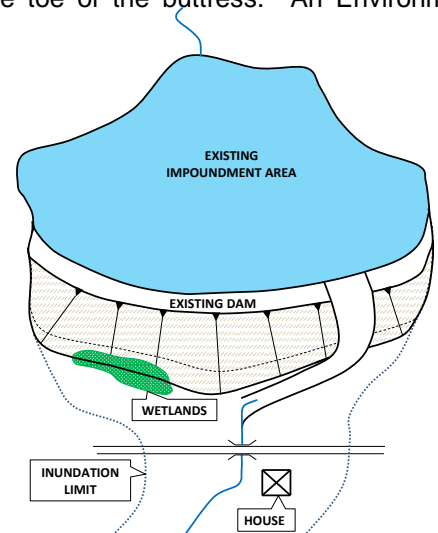
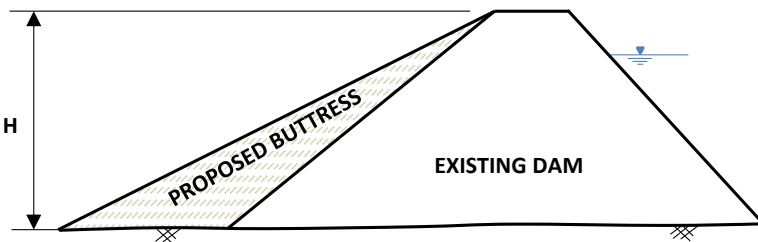


**DAM SAFETY APPLICATION FEES
(TO BE FILED WITH DAM SAFETY WITH THE DAM PERMIT APPLICATION)**

DAM PERMIT APPLICATION – NEW DAM

<input checked="" type="checkbox"/> Size C	<input type="checkbox"/> Hazard 1 \$10,500	<input checked="" type="checkbox"/> Hazard 2 \$10,500	<input type="checkbox"/> Hazard 3 \$10,000	<input type="checkbox"/> Hazard 4 \$8,000	<u>\$ 10,500</u>
DAM SAFETY FEE total					\$ 10,050

6. Letter of Authorization with Environmental Assessment: This project proposes to modify a 25-foot high dam that has a maximum storage of 500 acre-feet of water. This dam would be classified as a size category "C" dam per §105.91. The proposed modification involves buttressing the downstream slope of the dam with soil to improve the stability. The total project cost will be \$100,000. A small wetland area will be impacted near the toe of the buttress. An Environmental Assessment will be required to assess the impacts to the wetland.

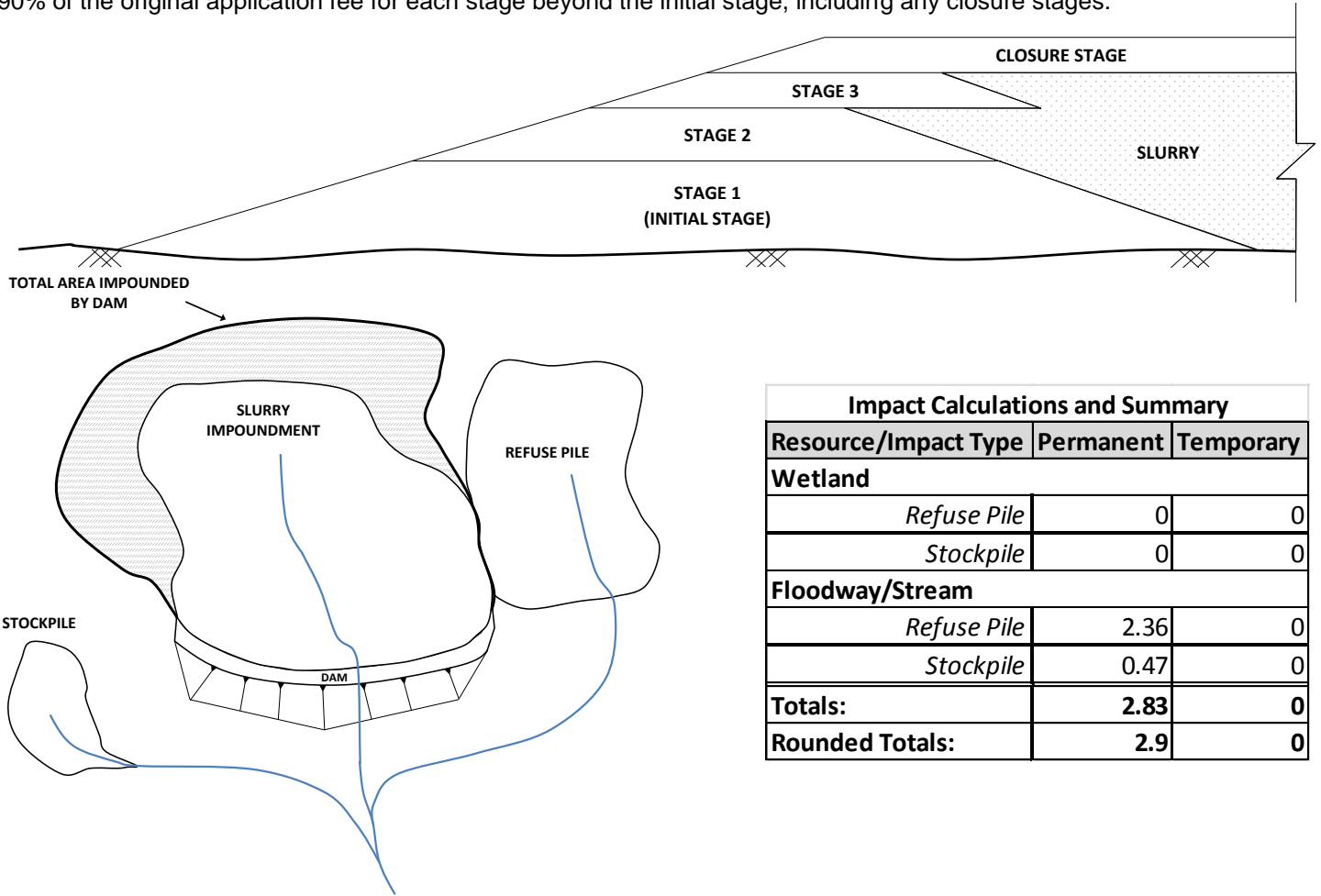


DAM SAFETY FEES

<input checked="" type="checkbox"/> Letter of Amendment or Authorization				
<input checked="" type="checkbox"/> Minor (<\$250,000)				
<input type="checkbox"/> Size A \$ 1,300	<input type="checkbox"/> Size B \$ 1,000			
<input checked="" type="checkbox"/> Environmental Assessment				
<input checked="" type="checkbox"/> Letter of Amendment or Authorization				
<input type="checkbox"/> Size A \$ 1,400	<input type="checkbox"/> Size B \$ 1,000			

<input checked="" type="checkbox"/> Size C	\$ 650	<u>\$ 650</u>
<input checked="" type="checkbox"/> Size C	\$ 900	<u>\$ 900</u>
DAM SAFETY FEE total		\$ 1,550

7. New Dam Permit Application with Staged Construction and Disturbance Review Fees: The project proposes to construct a staged construction, high hazard dam, to be utilized for containing a slurry impoundment. There will also be a refuse pile constructed adjacent to the slurry impoundment impacting 1000 linear feet of stream, causing a permanent disturbance to the 3-foot wide stream and 50 feet of floodway on either side of the stream [1000 x (50+3+50)]. A refuse stockpile will also impact 200 linear feet of stream, causing a permanent disturbance to the 3-foot wide stream and 50 feet of floodway on either side of the stream [200 x (50+3+50)]. The Dam Safety Application Fee will include the application fee for the applicable size and hazard classification of the dam. The Dam Safety Application Fee will also include a fee equal to 90% of the original application fee for each stage beyond the initial stage, including any closure stages.



WATER OBSTRUCTION AND ENCROACHMENT FEES

(TO BE FILED WITH DEP REGIONAL OFFICE, COUNTY CONSERVATION OFFICE, OR DISTRICT MINING)

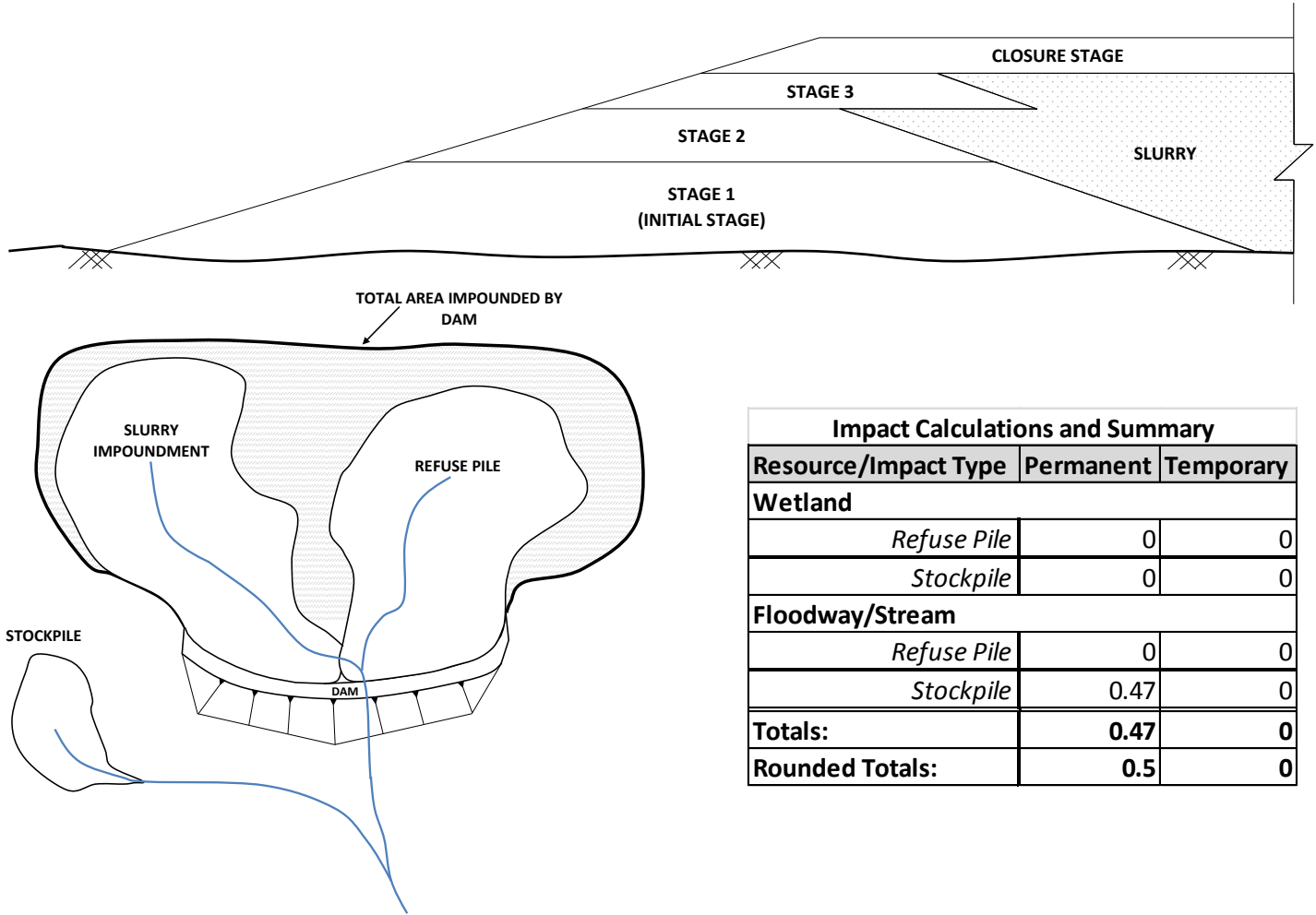
<input checked="" type="checkbox"/> Administrative Filing Fee		\$1,750
<input type="checkbox"/> Temporary Disturbance (\$400/0.1ac)	<u>0.0</u> acres x \$4,000 =	
<input checked="" type="checkbox"/> Permanent Disturbance (\$800/0.1ac)	<u>2.9</u> acres x \$8,000 =	<u>\$23,200</u>
WO&E FEE total		<u>\$24,950</u>

DAM SAFETY APPLICATION FEES

(TO BE FILED WITH DAM SAFETY WITH THE DAM PERMIT APPLICATION)

<input checked="" type="checkbox"/> DAM PERMIT APPLICATION – NEW DAM		
<input checked="" type="checkbox"/> Size A	<input checked="" type="checkbox"/> Hazard 1 \$26,500	<input type="checkbox"/> Hazard 2 \$26,500
	<input type="checkbox"/> Hazard 3 \$25,500	<input type="checkbox"/> Hazard 4 \$23,500
		\$ <u>26,500</u>
<input checked="" type="checkbox"/> STAGED CONSTRUCTION		
No. OF STAGES BEYOND INITIAL STAGE <u>3</u> X APPLICATION FEE	<u>\$26,500</u> X 0.90 (90%)	<u>\$ 71,550</u>
DAM SAFETY FEE total		<u>\$ 98,050</u>

8. New Dam Permit Application with Staged Construction: The project proposes to construct a staged construction, high hazard dam, to be utilized for containing a slurry impoundment and refuse pile. A refuse stockpile will also impact 200 linear feet of stream, causing a permanent disturbance to the 3-foot wide stream and 50 feet of floodway on either side of the stream [200 x (50+3+50)]. The Dam Safety Application Fee will include the application fee for the applicable size and hazard classification of the dam. The Dam Safety Application Fee will also include a fee equal to 90% of the original application fee for each stage beyond the initial stage, including any closure stages.



Impact Calculations and Summary		
Resource/Impact Type	Permanent	Temporary
Wetland		
Refuse Pile	0	0
Stockpile	0	0
Floodway/Stream		
Refuse Pile	0	0
Stockpile	0.47	0
Totals:	0.47	0
Rounded Totals:	0.5	0

WATER OBSTRUCTION AND ENCROACHMENT FEES

(TO BE FILED WITH DEP REGIONAL OFFICE, COUNTY CONSERVATION OFFICE, OR DISTRICT MINING)

<input checked="" type="checkbox"/> Administrative Filing Fee		\$1,750
<input type="checkbox"/> Temporary Disturbance (\$400/0.1ac)	0.0 acres x \$4,000 =	
<input checked="" type="checkbox"/> Permanent Disturbance (\$800/0.1ac)	0.5 acres x \$8,000 =	\$4,000
WO&E FEE total		\$5,750

DAM SAFETY APPLICATION FEES

(TO BE FILED WITH DAM SAFETY WITH THE DAM PERMIT APPLICATION)

<input checked="" type="checkbox"/> DAM PERMIT APPLICATION – NEW DAM		
<input checked="" type="checkbox"/> Size A	<input checked="" type="checkbox"/> Hazard 1 \$26,500	<input type="checkbox"/> Hazard 2 \$26,500
<input type="checkbox"/> Hazard 3 \$25,500	<input type="checkbox"/> Hazard 4 \$23,500	\$ 26,500
<input checked="" type="checkbox"/> STAGED CONSTRUCTION		
No. OF STAGES BEYOND INITIAL STAGE <u>3</u> X APPLICATION FEE \$26,500 X 0.90 (90%)		\$ 71,550
DAM SAFETY FEE total		\$ 98,050

INSTRUCTIONS FOR COMPLETING THE PASPGP-5 REVIEW CHECKLIST

The following instructions below are provided as a tool to assist permit applicants to determine if a proposed project will be either a U.S. Army Corp of Engineer's Reporting or Non-Reporting action. The checklist is not required to be submitted for a Chapter 105 permit review but, if provided, it may provide clarity to DEP during the permit review.

Question 1:

Answer YES if any of the proposed work is located waterward of the ordinary high water mark (OHWM) and/or the mean high water line (MHWL) of the following ineligible waterbodies within Pennsylvania:

- a. The Delaware River, downstream of the U.S. Route 202 Bridge at New Hope, Pennsylvania;
- b. The Schuylkill River downstream of the Fairmount Dam in Philadelphia, Pennsylvania;
- c. All of the Ohio River;
- d. All of the Beaver River;
- e. All of the Little Beaver Creek;
- f. All of the Mahoning River;
- g. All of the Monongahela River;
- h. The Youghiogheny River from its mouth at McKeesport, Pennsylvania to river mile 31.2 at West Newton, Pennsylvania;
- i. The Allegheny River, from its mouth in Pittsburgh, Pennsylvania to river mile 197.4 at Kinzua Dam, north of Warren, Pennsylvania;
- j. The Kiskiminetas River from its mouth near Freeport, Pennsylvania to river mile 26.8 at Saltsburg, Pennsylvania;
- k. Tenmile Creek from its mouth at Millsboro, Pennsylvania to river mile 2.7; and
- l. Lake Erie activities which require submittal of a DEP Chapter 105 Joint Permit Application or Environmental Assessment to the DEP. For Lake Erie, the OHWM is located at elevation 573.4.

Question 2:

Answer YES if the proposed work will result in the diversion of more than 10,000 gallons per day of surface water or groundwater into or out of the Great Lakes Basin (Lake Erie Watershed).

Question 3:

Answer YES if more than 0.10 acre of shrub-scrub or forested wetland will be permanently converted to emergent wetland.

Question 4:

Answer YES if your application/registration is associated with a Single and Complete Project whereby a previous Department of the Army authorization has been issued through an Individual Permit, a Nationwide Permit, or a PASPGP processed by the Army Corps of Engineers (Corps) as a Category III/Reporting Activity. Also enter data associated with the prior authorizations into table, including the type of authorization or permit, permit or authorization number(s), date(s) of issuance, and permitted impacts (including square feet or linear feet). Types of authorizations or permits may be abbreviated as Corps Nationwide Permit (NWP), Corps Individual Permit (IP), or Corps PASPGP (SPGP).

Question 5:

Answer YES if the proposed project requires the preparation of an Environmental Impact Statement (EIS).

Question 6:

Answer YES if the proposed regulated activity or area of indirect impact (secondary impact) extends across state boundaries (i.e., the work is not wholly located within the Commonwealth of Pennsylvania).

Question 7:

Answer YES if the proposed project is part of or involves the construction or expansion of a residential, commercial or institutional subdivision or development.

Question 8:

Answer YES if greater than 0.25 acre of wetlands exist within the property boundary that are not being directly impacted as part of this application/registration. **If YES, provide total remaining wetland acreage.**

Question 9:

Answer YES if you proposing to protect the wetland area(s) through a deed restriction or conservation easement that follows the Corps' Model Protective Covenants. **If YES, attach a copy of the proposed deed restriction or conservation easement to this form and submit with your application / registration form. If you answer NO it is a Reporting action.**

Question 10:

Answer YES if temporary impacts associated with a Single and Complete Project will be in place greater than 1 year.
Also, answer YES if you are requesting an extension of an existing DEP Chapter 105 GP-8 or GP-11 acknowledgement that will result in the temporary impacts now exceeding one year.

Question 11:

Answer YES if you are proposing to do work in the Delaware River (upstream from the U.S. Route 202 Bridge in New Hope, Pennsylvania.) and/or the Lehigh River (from the mouth to FE Walter Dam, located in Carbon and Luzerne County, Pennsylvania between March 15 and June 30.

Question 12:

Answer YES if your project is proposed in one of the following waterways occupied by Federally listed, proposed, or candidate mussels or fish, or in waters of the United States within 300 feet of these listed waterways.

WATERWAYS	COUNTY
Allegheny River (from Kinzua Dam to the Ohio River)	Armstrong, Clarion, Forest, Venango, Warren,
Conewango Creek	Warren
French Creek	Crawford, Erie, Mercer, Venango
Conneaut Outlet	Crawford
Conneauttee Creek	Crawford
LeBoeuf Creek	Erie
Muddy Creek	Crawford
Shenango River (Pymatuning Reservoir to Big Bend)	Crawford and Mercer
Delaware River	Monroe, Pike, Wayne
Cussewago Creek	Crawford
Little Mahoning Creek	Indiana
Little Shenango River	Mercer
Oil Creek	Venango
West Branch of French Creek	Erie
Woodcock Creek	Crawford

Question 13:

Answer YES if your completed PNDI search identifies a potential conflict(s) for a Federally listed species.
 And you have received additional documented clearance from the USFWS, a "No Effect" determination from the Corps, or agree through signing the PNDI receipt to comply with the avoidance measures associated with Federally listed species in completing the proposed work **If you answer NO it is a Reporting action.**

Question 14:

Answer YES if you have any pending applications/registrations with DEP or the Corps that are necessary for your total proposed project to function and meet its intended purposed. **If YES, provide the following information:**
 Application/registration Number / Type: The application/registration number given by DEP, if known. If unknown, the application/registration type, enter DEP General Permit, Joint Permit Application, Dam Permit, Environmental Assessment, etc.



PASPGP-5 REVIEW CHECKLIST

NOTE: This checklist and instructions can be used as a tool to assist permit applicants to determine if a proposed project will be either a U.S. Army Corp of Engineer's Reporting or Non-Reporting action. It is not required to be submitted for a Chapter 105 permit review but, if provided, it may provide clarity to DEP during the permit review.

Applicant / Project Name:	County(ies):
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- YES NO 1. Is any of the proposed work located waterward of the ordinary high water mark (OHWM) of any of the ineligible waterbodies identified in the instructions?
- YES NO 2. Does the proposed work result in the diversion of more than 10,000 gallons per day of surface water or groundwater into or out of the Great Lakes Basin (Lake Erie Watershed)?
- *****
- YES NO 3. Does the application/registration include any Single and Complete Projects that propose the permanent conversion of greater than 0.10 acre of forested and/or shrub-scrub wetlands in association with a regulated activity?
- YES NO 4. Is the application/registration associated with a Single and Complete Project whereby a previous Department of the Army authorization has been issued through an Individual Permit, a Nationwide Permit, or a PASPGP processed by the Corps as a Category III/Reporting Activity? **If YES, please complete the following table.**

Authorization Type	Authorization Number	Date (mm/dd/yyyy)	Federal Permitted Impacts	
			Wetlands	Waters

- YES NO 5. Does the proposed project require the preparation of an Environmental Impact Statement?
- YES NO 6. Does the proposed regulated activity or area of indirect impact (secondary impact) extend across state boundaries (i.e., the work is not wholly located within the Commonwealth of Pennsylvania)?
- YES NO 7. Does the Single and Complete Project involve the construction or expansion of a residential, commercial or institutional subdivision or development?
- YES NO 8. Does greater than 0.25 acre of wetland(s) exist within the property boundary that are not proposed to be directly impacted as part of this application/registration? **If YES, provide wetland acreage: _____ acres.**
- YES NO 9. Are you proposing to protect the wetland area(s) through a deed restriction or conservation easement that follows the Corps' Model Protective Covenant?
- YES NO 10. Does the proposed work temporarily impact waters and/or wetlands that will remain in place for more than 1 year?
- YES NO 11. Are you proposing to do work in the Delaware River (upstream from the U.S. Route 202 Bridge in New Hope, Pennsylvania.) and/or the Lehigh River (from the mouth to Francis E. Walter Dam, located in Carbon and Luzerne County, Pennsylvania between March 15 and June 30)?
- YES NO 12. Does the proposed work occur in any of the waters listed in the instructions?
- YES NO 13. Will you comply with all of the identified conservation measures?
- YES NO 14. Is there any other pending applications/registrations with the DEP or Corps that are necessary for this total proposed project to function and meet its intended purpose? **If YES, provide following information.**

Application / Registration Number / Type	Project Name	Date of Submittal to DEP (mm/dd/yyyy)	DEP / CCD Reviewing Office	Corps Reviewing Office

Applicant's Name / Client _____

**AQUATIC RESOURCE IMPACT TABLE
 FOR PENNSYLVANIA CHAPTER 105 WATER OBSTRUCTION AND ENCROACHMENT APPLICATION/REGISTRATION APPLICATION**

Please begin to complete the Aquatic Resource Impact Table by including the Applicant's Name / Client (upper right of the page) for each page. Also, complete the Project / Site Name (upper left of the table) and the date of application/registration package submission (upper right of the table, under Applicant's Name / Client). Then complete one row of data for each regulated (PA DEP Chapter 105) structure or activity and type of impact for the proposed project based on the instructions for each column below; add additional worksheets if needed. Provide completed Aquatic Resource Impact Table with **Chapter 105 Water Obstruction and Encroachment application/registration**; DO NOT submit instructions (page 1) for this table.

DEP Permit Number:	leave blank, it will be completed by DEP upon permit acknowledgment/issuance/verification.
Single Complete Crossing No.:	leave blank, it will be completed by DEP upon permit acknowledgment/issuance/verification.
Crossing Number:	leave blank, it will be completed by DEP upon permit acknowledgment/issuance/verification.

Fees	use the Chapter 105 Fee Calculation Worksheet 3150-PM-BWEW0553 to determine applicable fee(s), if needed.
Project Information	provide the appropriate information based on the details on each impact for the project
Structure / Activity Identifier:	provide a unique identifier for each regulated structure and/or activity being proposed, typically a name and number; this same unique identifier should be used in all aspects of the permit registration/application package. (i.e. GP-5-1, GP-5-2)
Aquatic Resource Type	provide the type of aquatic resource (based on watercourse, floodway or wetland) being impacted;
Watercourse:	provide the type of watercourse being impacted: perennial or intermittent stream
Floodway:	provide the type of floodway being impacted: crossing or paralleling to the stream
Wetland:	provide the type of wetland being impacted: PEM, PSS, PFO or POW wetland
Latitude (nad83):	provide the latitude of the aquatic resource impact in decimal degrees
Longitude (nad83):	provide the longitude of the aquatic resource impact in decimal degrees
Waters Name:	provide the name of the stream or other body of water (if available)
PA Code Chapter 93 Designation:	provide the Chapter 93 designation for the aquatic resource (i.e. HQ-CWF, WWF, EV, MF)

PA DEP Chapter 105 Impacts	provide the appropriate information based on the details on each impact for the project
Work Proposed:	provide the type of work proposed to impact the resource; aerial utility line, horizontal drill/boring, trench excavation or placement of fill
PADEP Impact Type:	provide the type of aquatic resource impact; temporary or permanent.
Watercourse Impact:	provide the length and width in feet of impact, indicate "n/a" if impact is to a wetland.
Floodway Impact:	provide the length and width in feet of direct and indirect/secondary 100-year floodway impact, indicate "n/a" if impact is to a wetland.
Wetland Impact:	provide the length and width in feet of impact to wetlands; indicate "n/a" if impact is to a watercourse.

DEP USE ONLY		Project Information				PA DEP / 105							
PADEP Permit Number	Single Complete Crossing No.	Crossing Number	Structure / Activity unique identifier	Aquatic Resource Type	Latitude dd nad83	Longitude dd nad83	Waters Name	PA Code Chapter 93 Designation	Work Proposed	DEP Impact Type temp / perm	Watercourse Impact Top of Bank to Top of Bank Length and Width in feet	Floodway Impact Top of Bank Landward Length and Width in feet	Wetland Impact Dimensions Length and Width in feet
		250	GP-5-1	Perennial	417710531	77152930	Dunn Creek	CWF	Excavation	Temp	50 - 30	N/A	N/A
		N/A	GP-5-1	Perennial	417710531	77152930	Dunn Creek	CWF	Excavation	Temp	N/A	100 - 30	N/A
		250	GP-5-2	PEM	417710618	77152945			Excavation	Temp	N/A	N/A	10 - 30
		350	GP-7-1	Perennial	417710618	77152945	Dunn Creek	CWF	Excavation	Perm	20 - 30	100 - 30	

Project / Site Name: _____ Date: 2018

NOTE: Form 3150-PM-BWEW0557 or equivalent must be printed/submitted for this General Permit Registration or Joint Permit Application.

Applicant's Name / Client _____

AQUATIC RESOURCE IMPACT TABLE
FOR PENNSYLVANIA CHAPTER 105 WATER OBSTRUCTION AND ENCROACHMENT APPLICATION / REGISTRATION

Project / Site Name:		Project Information								PADEP / 105		
DEP USE ONLY		Structure / Activity unique identifier	Aquatic Resource Type	Latitude dd nad83	Longitude dd nad83	Waters Name	PA Code Chapter 93 Designation	Work Proposed	DEP Impact Type temp / perm	Watercourse Impact Top of Bank to Top of Bank Length and Width in feet	Floodway Impact Top of Bank Landward Length and Width in feet	Wetland Impact Dimension Length and Width in feet
PADEP Permit Number	Single Complete Crossing No.	Fee										

Date: _____

PADEP Impact Type: temporary or permanent.

Permanent Impacts are those areas affected by a water obstruction or encroachment that consist of both direct and indirect impacts that result from the placement or construction of a water obstruction or encroachment and include areas necessary for the operation and maintenance of the water obstruction or encroachment located in, along or across, or projecting into a watercourse, floodway or body of water.

Temporary Impacts are those areas affected during the construction of a water obstruction or encroachment that consists of both direct and indirect impacts located in, along or across, or projecting into a watercourse, floodway or body of water that are restored upon completion of construction. This does not include areas that will be maintained as a result of the operation and maintenance of the water obstruction or encroachment located in, along or across, or projecting into a watercourse, floodway or body of water (these are considered permanent impacts).