

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF WATERSHED MANAGEMENT

GENERAL PERMIT BWM-GP-11

MAINTENANCE, TESTING, REPAIR, REHABILITATION, OR REPLACEMENT OF WATER OBSTRUCTIONS AND ENCROACHMENTS

- 1. GENERAL DESCRIPTION AND FEES In accordance with the following registration requirements and the standard general permit conditions, the Department of Environmental Protection hereby authorizes by General Permit the maintenance, testing, repair, rehabilitation or replacement of existing currently serviceable, water obstructions or encroachments, including bridges and culverts owned by railroad companies. Minor deviations in the structure's configuration or filled area including those due to changes in materials, construction techniques, current construction codes or safety standards which are necessary to repair, modify or replace the water obstruction or encroachment are permitted, provided the environmental impacts resulting from such repair, modification or replacement are minimal, those minimal impacts fall within the terms and conditions of this General Permit, and there is no adverse impact on public health and safety. There is no registration fee required for a project authorized under this General Permit.
- 2. **DAMS –** This General Permit may not be used for the maintenance, repair, modification, removal, or replacement of dams.
- 3. **DENIAL OF AUTHORIZATION** The Department shall have the discretion, on a case-by-case basis, to deny, revoke or suspend the authorization to use this general permit for any project which the Department determines to have a significant adverse impact and would not adequately protect public health, safety or the environment or otherwise could not be adequately regulated by the provisions of this general permit.
- 4. **AUTHORITY AND CONTINUING AUTHORIZATION** Authorization of this General Permit is under Section 7 of the Dam Safety and Encroachments Act (32 P.S. §§693.1-693.27) and the rules and regulations promulgated thereunder at 25 Pa. Code §§105.441-105.449 (relating to General Permits). This General Permit becomes effective August 10, 2004 and will remain in effect unless specifically modified, suspended, or revoked by the Department.
- 5. **NOTIFICATION OF PROPOSED USE OF GENERAL PERMIT –** Prior to the activity, the owner(s) shall submit the "Registration Form" along with the required attachments to the appropriate DEP Regional Office's Permitting and Technical Services Section (see exhibit B). The Department may require additional information necessary to determine that the proposed maintenance complies with the terms and conditions of this General Permit. A copy of the "Registration Form" shall also be sent to the municipality and county in which the work will be performed. The owner may <u>not</u> begin work until he has received the acknowledged "Registration Form" from the Department.
- 6. **DEFINITIONS** The terms as used in this General Permit shall have the following meanings:

ALONG – Touching or contiguous; to be in contact with; to abut upon.

APPURTENANT WORKS – Structures or materials incident to water obstructions or encroachments which are built or maintained in connection with the water obstruction or encroachment and essential to their proper maintenance, function, operation and stability.

BODY OF WATER - Any natural or artificial lake, pond, reservoir, swamp, marsh or wetland.

DEPARTMENT – The Department of Environmental Protection.

EARTH DISTURBANCE – Any construction or other human activity which disturbs the surface of the land including, but not limited to clearing and grubbing, grading, excavations, embankments, land development, subdivision development, mineral extraction and the moving, depositing or storing of soil, rock or earth. This includes any excavation or fill within a stream channel.

EROSION AND SEDIMENT CONTROL PLAN – A plan which is designed to minimize accelerated erosion and sediment developed in accordance with the requirements of 25 Pa. Code Chapter 102.

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

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 the Federal Emergency Management Agency (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.

OWNER – A person who owns, controls, operates, maintains, or manages a reservoir, water obstruction or encroachment.

REGULATED WATER OF THIS COMMONWEALTH – Watercourses, streams or bodies of water and their floodways wholly or partly within or forming part of the boundary of this Commonwealth.

STOCKED TROUT STREAMS – Regulated waters of this Commonwealth classified by the Pennsylvania Fish and Boat Commission as waters approved for trout stocking. Steam classification shall be verified by contacting the Pennsylvania Fish and Boat Commission's Division of Fisheries Management (see Exhibit A).

STREAM - A watercourse.

STREAM ENCLOSURE – A bridge, culvert or other structure in excess of 100 feet in length upstream to downstream which encloses a regulated water of this Commonwealth.

SUBMERGED LANDS OF THIS COMMONWEALTH – Waters and permanently or periodically inundated lands owned by the Commonwealth, including lands in the beds of navigable lakes and rivers and beds of streams declared public highways which are owned and held in trust by the Commonwealth.

TESTING – A procedure (internal or external to the structure) used as a means of analysis or diagnosis.

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

WATER OBSTRUCTION – A dike, bridge, culvert, wall, wingwall, fill, pier, wharf, embankment, abutment or other structure located in, along or across or projecting into a watercourse, floodway or body of water. In the case of ponds, lakes and reservoirs, a water obstruction is considered to be in or along the body of water if, at normal pool elevation, the water obstruction is either in the water or adjacent to and abutting the water's edge.

WATERWAY OPENING – The cross-sectional area of a structure that is available to convey stream flow. This area is expressed in terms of span multiplied by underclearance.

WETLANDS – Areas that are inundated or saturated by surface water or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions, including swamps, marshes, bogs and similar areas.

WILD TROUT STREAMS – A stream classified as supporting naturally reproducing trout populations by the Fish and Boat Commission. For a list of wild trout streams, the Fish and Boat Commission can be contacted at: Fish and Boat Commission, Bureau of Fisheries, Division of Fisheries Management, 450 Robinson Lane, Bellefonte, Pennsylvania 16823-9620.

7. SPECIAL CONDITIONS

A. Activities conducted under GP-11 authorization must protect and maintain water quality of waters of the Commonwealth in accordance with 25 Pa. Code Chapter 93. Projects located in High Quality/Exceptional Value (HQ/EV) waters must utilize cost effective and reasonable best management practices for non point source control.

- B. No new stream relocation, stream enclosure or stream channel is authorized by this General Permit.
- C. No stream realignments are permitted except for those incidental activities immediately adjacent to the upstream and downstream waterway opening of bridges and culverts that are necessary to support the structure.
- D. All projects must be designed and constructed to protect or enhance existing aquatic habitat.
- E. Wetlands must be identified in accordance with the 1987 U.S. Army Corps of Engineers Manual for Identifying and Delineating Wetlands and properly flagged or otherwise identified on the site to ensure they are protected. Impacts to wetland and other waters of the Commonwealth must be avoided or minimized to the maximum extent practicable at the project site. Wetland areas which cannot be avoided and which will be temporarily impacted during the maintenance activity must be identified on the plan and be stabilized and restored to original contours and grade at the conclusion of the activity. Wetland areas which cannot be avoided and which will be permanently impacted are limited to a cumulative total of 0.05 acres per project site.
- F. Utilization of General Permit BDWM-GP-8, Temporary Road Crossing Temporary road crossings of streams and causeways that are necessary to access the project must be constructed in accordance with BDWM-GP-8. The applicant shall indicate utilization of BDWM-GP-8 on the General Permit Registration form, and provide location and dimensions of the temporary crossing on the plan drawing or sketch plan that is required for General Permit 11 Registration.
- G. Paving the metal bottom pipes, arches and culverts with concrete, grouting or the use of concrete for scour protection shall be done in dry conditions.
- H. Bridge or culvert maintenance, replacement projects, or upgrades to existing facilities to meet current standards are subject to the following:
 - Bridge and culvert replacement for purposes of converting the existing structure to a new or differing
 use, e.g., converting a logging or forest road or a private access road to a residential, retail, or
 commercial subdivision access, is not authorized by this general permit.
 - No significant reduction in existing waterway openings is permitted.
 - There will be no significant changes to grades of approach roadways or to overtopping characteristics.
 - Increases in culvert length are limited to a maximum of 12 feet perpendicular to the roadway on each
 end of the existing culvert. Appurtenant works beyond the maximum 12 feet increase on each end of
 the culvert, such as, but not limited to, wingwalls, headwalls, bank stabilization, and scour protection
 are also authorized under this general permit. The appurtenant works must be minimized and limited
 to the extent necessary to ensure the protection of the structure, public health and safety, and the
 environment.
 - Increases in bridge width are limited to a maximum of 12 feet on each side of the bridge as measured from the upstream side of the bridge deck to the downstream side of the bridge deck. Appurtenant works beyond the maximum 12 feet increase on each side of the bridge deck, such as, but not limited to, wingwalls, headwalls, bank stabilization and scour protection are also authorized under this general permit. The appurtenant works must be minimized and limited to the extent necessary to ensure the protection of the structure, public health and safety and the environment.
 - The removal of debris and accumulated sediment to ensure adequate hydraulic capacity for bridges
 or culverts is limited to 50 feet upstream and downstream of the bridge or culvert and shall be
 conducted in accordance with the Department's Standards for Channel Cleaning at Bridges and
 Culverts.
 - Bridges and culverts with paved bottoms shall provide for fish passage by constructing a low flow channel.

- Bridge and culvert replacement projects may not increase water surface elevations for the 100-year flood event.
- Backfill material may not be stored in the floodway and/or wetlands.

Hydraulic capacity.

- Bridge and culvert maintenance or replacement projects shall be designed and constructed in accordance with the following criteria:
 - The structure shall pass flood flows without loss of stability.
 - The structure may not create or constitute a hazard to life or property, or both.
 - The structure may not materially alter the natural regimen of the stream.
 - The structure may not increase velocity or direct flow in a manner which results in accelerated erosion of streambeds and banks.

Multiple pipes and spans.

Multi-culvert groups and multiple span bridges which may tend to collect debris, contribute to the
formation of ice jams, and cause excessive increases in head losses shall be avoided to the
maximum extent practicable. Spans of less than 15 feet shall be by single-opening structure, except
where conditions make it impractical to design the crossing with a single span.

Bridge piers.

- Bridge piers shall be kept to a minimum in number and cross-sectional area and shall be designed to
 offer the least obstruction to the passage of water and ice, consistent with safety and current
 engineering practice.
- Bridge piers in channels subject to unstable or super critical flow shall require special investigation and shall be so designed as to minimize backwater and avoid standing waves downstream of the pier.

Bridge abutments.

• Bridge abutments shall be aligned with the flow of the stream for the design flood. The Department may require the construction of wingwalls on either side of the bridge to assist in directing flood flows through the bridge opening.

Culverts.

- Culverts shall be aligned with the stream flow.
- Culverts shall be of sufficient width to minimize narrowing of the stream channel.
- The ends of culverts shall be protected by wingwalls, or with other structures sufficient to assist in directing flood flows to and through the culvert opening.
- Culverts with a drainage area of 640 acres or less shall be installed with the invert a minimum of 6 inches below natural streambed and in such a manner that the average gradient of the invert shall not deviate from that of the natural streambed.
- Culverts with a drainage area of greater than 640 acres shall be installed with the invert a minimum
 of 12 inches below natural streambed and in such a manner that the average gradient of the invert
 shall not deviate from that of the natural streambed.
- The flow velocities of water discharging from culverts must not cause erosion of the downstream channel.

Professional Engineer Certification

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:

"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. Pipelines and utilities:

- Trenches excavated for the maintenance and replacement of utility lines shall be the minimum width necessary.
- Trenches excavated for the maintenance and replacement of utility lines shall be backfilled with suitable material, stabilized and restored to pre-existing elevation and condition.
- Construction material such as pipes, rock and bedding materials may not be stored in the floodway and/or wetlands.
- Excavated material to be used as backfill may be temporarily stored adjacent to the trench, but for no more than 72 hours.
- Trench plugs must be installed within the trench on both sides of the stream channel. In wetlands, trench plugs, must be used to prevent the trench from draining the wetland.
- J. A copy of this General Permit along with the Erosion and Sediment Control Plan must be provided to all contracting and construction entities involved with the project and must be available on-site during all phases of the project.
- 8. **EROSION AND SEDIMENT CONTROLS** Activities conducted under this General Permit which involve an earth disturbance must be done in compliance with Chapter 102 of the Department's Rules and Regulations (relating to Erosion Control). The Erosion and Sediment Control Plan shall be submitted with the General Permit registration, for review by the DEP Regional Office. The Erosion and Sediment Control Plan must be available at the site at all times, and all BMP's on the plan must be implemented and maintained prior to, during and after construction.

9. SPECIES OF SPECIAL CONCERN

- A. No regulated activity is authorized under this General Permit which is likely to directly or indirectly adversely affect a State or Federal species of special concern or a species proposed for such designation, or which is likely to destroy or adversely modify the critical habitat of such a species, as identified under the Federal Endangered Species Act of 1973; Title 30, Chapter 75 of the PA Fish and Boat Code; Title 17, Chapter 25, Conservation of Wild Plants; and Title 31 Chapter 133 Game Wildlife Code.
- B. Permit registrations shall include a Pennsylvania Natural Diversity Inventory (PNDI) search receipt. Activities conducted under this General Permit beyond one year of the date acknowledged will require the submission of an updated PNDI search to the DEP Regional Office. Information on PNDI searches is available through the PA Department of Conservation and Natural Resources, Bureau of Forestry, Ecological Services Section, P.O. Box 8552, Harrisburg, PA 17105-8852, telephone 717-787-3444.

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.

- C. Applicants must comply with special bog turtle screening requirements. See Section H of the Registration Form.
- BEACH NOURISHMENT Sand used for beach nourishment shall be free from zebra mussels.
- 11. **EQUIPMENT** Use of motorized vehicles or equipment in a watercourse, stream or body of water is limited to the minimum necessary to complete the project. Motorized vehicles or equipment working in wetlands must be placed on mats or other measures must be taken to minimize disturbance.
- 12. **PROPER MAINTENANCE** Facilities and activities authorized under this General Permit must be operated and maintained to protect public health, safety and the environment.
- 13. **AQUATIC LIFE MOVEMENTS** No regulated activity may substantially disrupt the movement of those species of aquatic life indigenous to the watercourse, stream or body of water, including those species which normally migrate through the area.
- 14. WILD AND STOCKED TROUT WATERS Activities authorized by this General Permit in regulated waters of this Commonwealth are prohibited in the following streams for the specified time period unless written approval is obtained from the PA Fish and Boat Commission's Division of Environmental Services at 459 Robinson Lane, Bellefonte, PA 16823-9616 or the local DEP Regional Office. Stocked and wild trout stream locations are compiled and available through the Commission's Division of Fishery Management.

Stocked trout streams

Wild trout streams

Warch 1 through June 15

October 1 through December 31

Lake Erie tributaries

September 1 through April 30

15. **WATERFOWL BREEDING AREAS** – Breeding areas for migratory waterfowl must be avoided to the maximum extent practicable.

16. HISTORICAL RESOURCES

- A. No regulated activity is authorized which will adversely impact:
 - Historical, cultural or archaeological sites as identified in the latest published version of the Pennsylvania Inventory of Historic Places or the National Register of Historic Places.
 - Local historical sites officially approved or recognized by a municipality.
- B. Any 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 Historic and Museum Commission, Commonwealth Keystone Building, 400 North Street, 2nd Floor, Harrisburg, PA 17120-0093.
- 17. FILL Fill material must be uncontaminated, nonwater-soluble, nondecomposible inert solid material and must be free of asphalt, trash, construction debris, tires, toxic pollutants and never been subject to a spill or release of a contaminated substance. Temporary fills for construction purposes (e.g. road embankments, equipment staging, cofferdams and causeways). shall consist of only clean nonwater-soluble rock material (without fine particles or small-grained materials) to prevent the introduction of sediment to water resources.
- 18. **REMOVAL OF TEMPORARY FILLS** Temporary fills must be removed in their entirety, and the affected areas stabilized and returned to their pre-existing elevations.
- 19. **NAVIGATION** No authorized activity shall permanently hinder commercial or recreational navigation.

- 20. **EFFECTIVE TIME PERIOD** This General Permit will remain in effect indefinitely unless specifically modified, suspended or revised by the Department.
- 21. **SUBMERGED LANDS OF THIS COMMONWEALTH** This General Permit shall not be effective to authorize any project over, across or occupying submerged lands of this Commonwealth until the owner has obtained a license from the Department authorizing the occupation of such submerged lands issued under Section 15 of the Dam Safety and Encroachments Act (32 P.S. §693.15), Section 514 of the Administrative Code of 1929 (71 P.S. §194), or other applicable laws. Upon receipt of notification from the owner, the Department will review the project, determine if its location is over, across or occupies submerged lands of the Commonwealth. If applicable, the Department will prepare a Submerged Lands License Agreement and forward same to the owner for execution prior to acknowledgement of registration to use the General Permit. No annual charge is required for facilities constructed, owned or operated by a Political Subdivision of the Commonwealth.
- 22. **USE OF EXPLOSIVES** Prior to the use of explosives in a watercourse or body of water, the permittee shall secure a written permit from the Pennsylvania Fish and Boat Commission, under the Fish and Boat Code, Act 1980-175 Title 30 Pennsylvania Consolidated Statutes, Section 2906. Requests should be directed to the Pennsylvania Fish and Boat Commission, Division of Environmental Services (see Exhibit A).
- 23. **SUSPENSION, MODIFICATION OR REVOCATION** The Department may suspend, modify or revoke this General Permit at any time upon notice in the <u>Pennsylvania Bulletin</u>.
- 24. **PROJECT INTERFERENCE** This General Permit does not authorize any interference with any existing or proposed local, State, Federal or Federally licensed project, and permittee shall not be entitled to compensation for damage or injury to the work authorized herein which may be caused by or a result of existing or future operations undertaken by the United States or the Commonwealth of Pennsylvania or its Political Subdivisions in the public interest.
- 25. **INSPECTION** As a condition of use of this General Permit, and of the owner's authority to conduct the activities authorized by this General Permit, the owner hereby authorizes and consents to allow authorized employees or agents of the Department, including the County Conservation District, without advance notice or a search warrant, at any reasonable time and upon presentation of appropriate credentials, and without delay, to have access to and to inspect all areas where the project is being constructed, operated or maintained. The authorization and consent shall include consent to conduct tests or sampling, to take photographs, to perform measurements, survey and other tests, to inspect the methods of construction, operation or maintenance, to examine and copy books, papers and records pertinent to any matter under investigation, and to take any other action necessary to assure that the project is constructed, operated or maintained in accordance with the terms and criteria of the General Permit. This General Permit condition is referenced in accordance with Section 16 of the Dam Safety and Encroachments Act, 32 P.S. §693.16, and in no way limits any other powers granted under the Dam Safety and Encroachments Act.
- 26. **FISH AND BOAT COMMISSION NOTIFICATION** The owner(s) shall notify the Pennsylvania Fish and Boat Commission's Regional Field Office Manager (see "Exhibit A") responsible for the County where the activities are proposed ten (10) days prior to start of construction. Written notification is suggested. The project site shall at all times be available for inspection by authorized officers and employees of the Pennsylvania Fish and Boat Commission.
- 27. **ACTIVITIES NOT IN ACCORDANCE WITH THE TERMS OR CONDITIONS** If the Department determines, upon inspection, that the construction, operation or maintenance of a project has violated the terms or criteria of this General Permit or of the Chapter 105 Rules and Regulations, the Department may take such actions, legal or administrative, that it may deem to be appropriate.
- 28. **STRUCTURE REMOVAL** The owner shall remove all or any portion of the water obstruction upon written notification to the owner by the Department in the event the water obstruction is causing an adverse impact on public health, safety, or the environment, or in any other manner violates the conditions of this General Permit or Chapter 105 Rules and Regulations. The removal of railroad bridges and culverts is not subject to this condition. The removal of railroad bridges and culverts is regulated exclusively by the Federal Surface Transportation Board under the Interstate Commerce Commission Termination Act of 1995, 49 U.S.C. Sections 10501(b), 10903.

- 29. **PROPERTY RIGHTS** This General Permit does not convey any property rights, either in real estate or material, or in any exclusive privileges; nor does it authorize any injury to property or invasion of rights or any infringement of Federal, State or local laws or regulations.
- 30. **WATER QUALITY CERTIFICATION** The issuance of this General Permit also constitutes approval of Water Quality Certification under Section 401 of the Federal Clean Water Act (33 U.S.C.A. §1341).
- 31. **OTHER PERMITS** Nothing in this General Permit relieves the owner(s) of the obligation of complying with all Interstate Compacts, Federal, State and local laws, and regulations.
- 32. **SIGNATURE** The General Permit Registration Form shall be signed by the person responsible for installation, operation and maintenance of the authorized activity.

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COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF WATERSHED MANAGEMENT WATER OBSTRUCTION AND ENCROACHMENT

DEP USE ONLY
Acknowledged Date
GP
PASPGP-3 Authorization included:
□ YES □ NO
Transfer Date

BWM-GP-11 GENERAL PERMIT REGISTRATION Maintenance, Testing, Repair, Rehabilitation, or Replacement of Water Obstructions and Encroachments

SECTION A. APPLICANT INFORMATION								
Check One: New Permit Tr	Check One: New Permit Transfer of Existing Permit – complete Sections A, C & H and transfer form - 3930-PM-WM0016							
Existing Permit(s) Number for Project(s) with a Submerged Lands License Agreement or an annual fee (if applicable):								
Applicant Name								
Contact Person Last Name	First Name	MI Tele	phone					
		()					
Mailing Address	City	State	Zip + 4					
Email Address								
	SECTION B. CONSULTANT (if	applicable)						
Consultant - Last Name	First Name	MI						
Consulting Firm								
Mailing Address	City	State	Zip + 4					
Telephone	FAX	Email						
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If you have any questions concerning whether your project qualifies for GP-11 please contact your regional office (Exhibit B).

- Prepare a project location map using the appropriate portion of the USGS 7½ Minute Quadrangle Map or other suitable mapping with the project site(s) identified. Number each activity making sure it corresponds with the activity number found in the Project Inventory Chart (Section D1).
 Project Description: Describe the project in enough detail to allow Department to determine that the proposed work
- complies with both the terms and environmental and engineering conditions of the General Permit. (A project can be one structure or a series of structures that are related to one another located in one county.)

(attach additional sheets if necessary)

- 3. Using the Project Inventory Chart (Section D1), list each water obstruction and/or encroachment that requires maintenance. Please fill out the row for each activity in its entirety. Please make sure the activity number corresponds with the area identified on the site location map.
- 4. If you are proposing a bridge or culvert replacement or the proposed work will change the waterway opening, please complete and provide the chart in Section D2. If the project consists of similar work (replacement or change in waterway opening) on more than one structure, submit the data requested in Section D2 for each structure included in this registration.
- 5. For bridges and culverts across a watercourse which are to be used by the general public such as an access to an industrial, commercial, or residential development, etc., plans, specifications and hydrologic and hydraulic reports shall be prepared and submitted by a registered professional engineer and shall be affixed with their seal and certification.
- 6. For bridge or culvert replacements, activities that reduce the size of the waterway opening, or work on a structure that poses a threat to human life or a substantial potential risk to property, plans, specifications and hydrologic and hydraulic reports shall be prepared and submitted by a registered professional engineer and shall be affixed with their seal and certification.
- 7. Submit 2 complete copies of the permit registration form and plans including all Erosion and Sediment Controls to the appropriate Regional Office.

	SECTION D1. PROJECT INVENTORY For County*								
Activity Number**	Existing Permit Number and Type of Water Obstruction (Bridge, Culvert, Utility Stream Crossing, Utility Wetland Crossing)	Activity Type (Maintenance, testing, repair, rehabilitation, or replacement)	Earth Disturbance (sq. ft.)	Name of USGS Quadrangle Map	Municipality Where Project is Located	Name of Stream	Chapter 93 Stream Designation	Special PFBC Designation (Wild Trout, Stocked Trout, Migratory Fishes)	
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									

^{*}For multiple structures attach additional sheets that provide the same information requested in the chart.

^{**}The number used for a particular water obstruction from Section D1 should match the number in Section D2 for the same water obstruction.

			Culvert Existin		TS OR PROJECTS THAT CHANGE THE WATERWAY OPENING* Bridge/Culvert Proposed					
Activity Number**	Waterway Opening (sq. ft.) (cross section/area)	Span (ft.)	Underclearance (ft.)	Length (ft.) (upstream to downstream)	Material Type (RCP, CMP, etc.)	Waterway Opening (sq. ft.) (cross section/area)	Span (ft.)	Underclearance (ft.)	Length (ft.) (upstream to downstream)	Material Type (RCP, CMP, etc.)
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										

^{*}For multiple structures attach additional sheets that provide the same information requested in the chart.

**The number used for a particular water obstruction from Section D1 should match the number in Section D2 for the same water obstruction.

	SECTION E. COMPLIANCE REVIEW						
Yes	No	ls th	ne applicant (owner and/or operator) currently in violation of any permits issued by the Department?				
		If ye	es, please provide:				
		1.	Permit Number:				
		2.	Nature of the violation (if any):	-			
		3.	Status of violation (i.e., schedule for compliance, etc.):				
			SECTION F. OTHER PERMITS				
Yes	No	Are	any other Chapter 105 permits required for this project, excluding GP-8?				
			SECTION G. CERTIFICATION				
	I certify that the information provided in this permit registration is true and correct to the best of my knowledge and information.						
	Signature of Permittee Date (Person Responsible for Installation, Operation and Maintenance of Authorized Activity)						
			Type or Print Name				
	AN ACKNOWLEDGED COPY OF THIS GENERAL PERMIT AND THE EROSION AND SEDIMENT CONTROL PLAN REVIEWED BY THE DEP REGIONAL OFFICE MUST BE AVAILABLE AT THE PROJECT SITE DURING						

CONSTRUCTION.

	SECTION H. REGISTRATION CHECKLIST							
In or	der to register use of this General Permit, confirm the following:							
N/A								
	☐ I/we have notified the Municipality and County.							
Ple	ease Submit:							
	Completed Permit Registration Form.							
	□ LOCATION MAP. An 8 ½" by 11" photocopy of a portion of the U.S.G.S. 7 ½ Minute Quadrangle Map or suitable mapping with the project site(s) identified.							
	☐ Engineering plan or sketch drawing that provides the necessary information.							
	Project cross-section drawing.							
	Completed copy of a PNDI Search Form with Search Receipt.							
	For bridge or culvert replacements, activities that reduce the size of the waterway opening, or work on a structure that poses a threat to human life or a substantial potential risk to property, plans, specifications and hydrologic and hydraulics report shall be prepared and submitted by a registered professional engineer and shall be affixed with their seal and certification.							
	☐ Erosion and Sediment Control Plan for earth disturbance activities							
	Any existing Submerged Lands License Agreements							
Ple	ease submit where required:							
	Photographs – For projects involving a waterway opening, photos upstream and downstream of the existing							
	structure are required.							
	Bog Turtle Habitat Screening Form (where required). This screening is required for General Permits 5, 6, 7, 8, 9, and 11 which may impact wetlands in the following counties: Adams, Berks, Bucks, Chester, Cumberland, Delaware, Franklin, Lancaster, Lebanon, Lehigh, Monroe, Montgomery, Northampton, Schuylkill (Swatara Watershed), and York.							

SECTION I1. DRAWINGS/PLANS

- 1) Engineering drawings prepared and sealed by a Professional Engineer are required for the following types of projects:
 - a) bridge and culvert replacements
 - b) activities that reduce the size of the waterway opening
 - c) bridges or culverts across a watercourse which are to be used by the general public
 - d) work on a structure that poses a threat to human life or a substantial potential risk to property
- 2) Prepared plans or sketch plans maybe submitted for activities not listed in 1 a) through d).

*Please make sure the information below is provided on all engineering plans, drawings, and other prepared plans or sketch plan required for registration.

	SECTION I2. DRAWINGS/PLANS CHECKLIST							
YES	N/A		YES	N/A				
		Permanent Stream Impacts with Dimensions Total Length Total sq. ft			Stream Name Chapter 93 Stream Designation			
		Temporary Stream Impacts			Location of Property Lines Relative to the Project			
		Wetland Acreage Onsite			Existing Utilities			
		Permanent Wetland Impacts sq. ft.			Proposed Utilities			
		Temporary Wetland sq. ft.						
		Stream Limits and Flow Direction Floodway Limits (if known) Limits of Earth Disturbance Associated			Existing Buildings, Roadways, Other Structures Proposed Buildings, Roadways, Other Structures Other Waters (i.e. pond, lakes)			
		with this Activity			Please indicate North			
Use	the ne	xt sheet for sketch if applicable	Ш	Ш	Please indicate photo locations			

SKETCH PLAN

(if applicable)

Applicant Name
 Scale 1" =ft.

Applicant Name
PROJECT CROSS SECTIONS
Provide a cross section of the project if not included on the Engineering Drawings, showing the dimensions of the waterway opening, area of fill materials used, and other pertinent information necessary to accurately depict the scope of your project, and allow the Department to determine that the project complies with the terms and conditions of this General Permit.

EXHIBIT A

OFFICES OF THE PENNSYLVANIA FISH AND BOAT COMMISSION

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 P.O. Box 5306 Pleasant Gap, 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 P.O. Box 88 Sweet Valley, PA 18656 570-477-5717 Bradford, Carbon, Columbia, Lackawanna, Luzerne, Monroe, Pike, Sullivan, Susquehanna, Wayne and Wyoming

<u>DIVISION OF ENVIRONMENTAL SERVICES</u> 450 Robinson Lane, Bellefonte, PA 16823-9620 814-359-5147

<u>DIVISION OF FISHERIES MANAGEMENT</u> 450 Robinson Lane, Bellefonte PA 16823-9620 814-359-5110

EXHIBIT B

REGIONAL OFFICES OF THE DEPARTMENT OF ENVIRONMENTAL PROTECTION AND

U.S. ARMY CORPS OF ENGINEERS DISTRICT OFFICES

Permitting and Technical Services Section

vices Section County Responsibility

Southcentral Regional Office 909 Elmerton Avenue, Second Floor Harrisburg, PA 17110 (717) 705-4707 Adams, Bedford, Berks, Blair, Cumberland, Dauphin, Franklin, Fulton, Huntingdon, Juniata, Lancaster, Lebanon, Mifflin, Perry and York

Southeast Regional Office 2 East Main Street Norristown, PA 19401 (484) 250-5970 Bucks, Chester, Delaware, Montgomery and Philadelphia

Southwest Regional Office 400 Waterfront Drive Pittsburgh, PA 15222-4745 (412) 442-4000 Allegheny, Armstrong, Beaver, Cambria, Fayette, Greene, Indiana, Somerset, Washington and Westmoreland

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

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

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

Note: Registration for the use of General Permits (except General Permit 11 Registrations which must be sent to the Permitting and Technical Services Section) must be sent to the County Conservation District in those counties where the District has a delegation agreement with the Department of Environmental Protection.

U.S. ARMY CORPS OF ENGINEERS DISTRICT OFFICES							
Delaware River Basin	Ohio River Basin Portions of Lake Erie and Genesee River Basins Located in PA	Susquehanna River Basin					
Philadelphia District Corps of Engineers Wanamaker Building 100 Penn Square East Philadelphia, PA 19107	Pittsburgh District Corps of Engineers Regulatory Branch 1000 Liberty Avenue Pittsburgh, PA 15222	Baltimore District Corps of Engineers P.O. Box 1715 Baltimore, MD 21203-1715					
Phone: 215-656-6725 Phone: 215-656-6729 (to report violations) Fax: 215-656-6724	Phone: 412-395-7152 Fax: 412-644-4211	Phone: 814-235-0570 Fax: 814-235-0576					



Pennsylvania Natural Diversity Inventory

Project Planning & Environmental Review Form

This form provides site information necessary to perform an Environmental Review for special concern species and resources listed under the Endangered Species Act of 1973, the Wild Resource Conservation Act, the Pennsylvania Fish and Boat code or the Pennsylvania Game and Wildlife Code.

Na Ac	pplicant Inform ame: ddress: none Number:	ation Fax Number:		
Na Ac	ontact Person I: ame: ddress:		ent from applicant	
Ph	none Number:	Fax Number:		
Pr Pr Mı	roject Informat: coject Name: coject Location: unicipality: Attach a copy of a U.S.G.S. S.G.S. Quad Name:	County:	Iap with Project Boundaries clearly mark	ed.
P	roject Descripti	0 n		—
	roposed Project Activity		as and current conditions)	
_	Toposed Troject Hell vity	(morating 1222 out of allowing action	to the current contentions,	
Го	otal Acres of Property:	Acreage to be Impacted:	:	
1.		or on an existing building, parki road bed, or maintained lawn?	ing lot, driveway, road, maintained road should Yes No	ler,
2.		-	nnial rivers, streams, creeks, tributaries, lakes how many feet away is the project?	or or
3.	Are wetlands located in or with wetland delineation?	in 300 feet of the project area?	Yes No If No, is this the result of	of a
a	a USGS Quad Map to the agency/agence atternet access, complete this form, atta	ies noted on the receipt. If you are una ch a USGS Quad Map, and send them	pacts, please send a receipt copy, this completed form, a able to generate a PNDI Receipt because you do not have not your local DEP or County Conservation District. Fixed below. See page 2 for more information.	ve
	Dept. of Conservation an Bureau of Forestry, Ecolog 400 Market St., F Harrisburg, P fax: 717-773	d Natural Resources gical Services Section PO Box 8552 A 17105	PA Fish and Boat Commission Natural Diversity Section 450 Robinson Lane Bellefonte, PA 16823 fax 814-359-5175	

PA Game Commission

Bureau of Land Management 2001 Elmerton Avenue Harrisburg, PA 17110-9797

fax: 717-787-6957

US Fish and Wildlife Service

Endangered Species Biologist 315 South Allen St., Suite 322 State College, PA 16801 no faxes please

How to Use the PNDI Project Planning & Environmental Review Form

How do I access the PNDI Environmental Review Tool?

Visit <u>www.naturalheritage.state.pa.us</u>. Click on "PNDI Project Planning and Environmental Review" on the bottom left corner of the homepage to access the tool. Follow this link to access the ER Tool and for step-by-step instructions on using the ER Tool, FAQ's and access to an electronic version of the PNDI Form.

When do I use this form?

1. Before conducting the PNDI online search

The Applicant can complete the 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 the Applicant plans to conduct the PNDI online search his or herself—a search form is not needed prior to the PNDI online search.

2. 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.

- 3. *If your Project is a "Large Project"* too large/long to search on the online system Projects are considered "Large Projects" when the ENTIRE project is:
 - Linear/Large Projects that exceed map limits: approximately 2-2.84 miles depending on browser size
 - Projects that will not fit on 1:24,000 scale map. Project Maximums: 1024 x 768 browsers: 2625 acres; 15,000 feet long x 7600 feet wide; approximately 2.84 miles 800 x 600 browsers: 1050 acres; 11,000 feet long x 4000 feet wide; approximately 2 miles
 - Township-wide, Countywide or Statewide Projects. Examples: Act 537 Sewage Plans, Wind Farms, Roadway Improvements exceeding map limits above.

For "Large Project" review, please forward a completed PNDI Form and a USGS 7.5 minute quadrangle with project boundaries and quad name marked on the map to DCNR, PFBC, PGC, and USFWS (contact information on page 1 of form). Due to system limitations and agency requirements, projects should not be submitted piecemeal. The entire project area including roads and infrastructure should be submitted as a single unit.

PNDI Form Definitions

Applicant: Person that owns the property or is proposing the project or activity

Contact Person: Person to receive response if different than applicant (e.g. Consultant)

Project Name: Descriptive title of project (e.g. Twin Pines Subdivision, Miller Bridge Replacement)

Project Location: Description of actual location (e.g. Intersection of Smith and Clay Rd., Latitude & Longitude)

Proposed Activity: Include ALL earth disturbance activities for project (e.g. for a timber sale—include stream crossings, cutting areas and new roadway accesses). Also include Current Conditions (e.g. housing,

farmland, current land cover), and how Construction/Maintenance Activity is to be accomplished

Total Acres of Property: Entire site acreage (e.g. timber sale property—including road access (200 acres)

Acreage to be Impacted: Disturbance acreage (e.g. timber sale—if the property is 200 acres, but only 100 acres

will be disturbed, for example: cutting on 90 acres, a road impacting 10 acres); include

all temporary and permanent activities



COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF WATERSHED MANAGEMENT WATER OBSTRUCTION AND ENCROACHMENT

Bog Turtle Habitat Screening

U.S. Army Corps of Engineers/Department of Environmental Protection State Programmatic General Permit/Water Obstruction and Encroachment General Permit

Federal/State Screening Process for Bog Turtles (*Glyptemys muhlenbergii*) and/or their habitat in Adams, Berks, Bucks, Chester, Cumberland, Delaware, Franklin, Lancaster, Lebanon, Lehigh, Monroe, Montgomery, Northampton, Schuylkill (Swatara Creek Watershed), and York Counties.

In 1974 the Pennsylvania Fish and Boat Commission, under Section 2305 of the Fish and Boat Code, listed the bog turtle as an endangered species, and in 1997 the U.S. Fish and Wildlife Service, under the Endangered Species Act of 1973, listed the bog turtle as a threatened species. Poaching and loss of habitat are two primary reasons for the decline in turtle populations throughout the Mid-Atlantic Region.

The 4-inch bog turtle's preferred wetland habitat is spring seeps and open marshy meadows in the valleys of southcentral and eastern Pennsylvania. Here the water is slow moving and the earth is mucky. Mucky soils provide cover for the turtles in spring and summer. October through April, the turtles use the same mucky soils as a place to hibernate. Plants common to these wetland areas include cattails, rushes, jewelweed, skunk cabbage, sedges, and sphagnum moss.

In order to provide continued protection for the turtle and to minimize conflicts during project development and permitting, the U.S. Army Corps of Engineers, U.S. Fish and Wildlife Service and PA Department of Environmental Protection have developed a screening process to identify potential bog turtle habitat. Representatives of these agencies will provide onsite technical assistance to determine if proposed projects may impact wetlands which serve as bog turtle habitat.

This special screening process is only required for those activities which will impact wetlands in the counties or watersheds listed above. If your proposed activity does not impact wetlands in these counties, you may proceed with the registration of the general permit without this screening process.

INSTRUCTIONS

If your proposed project includes a **wetland impact** in one of the fifteen counties listed above, follow the steps below prior to submitting the General Permit Registration form.

- 1. Using the primary contact list on the next page, identify the primary contact for your county where the wetland impact will take place.
- 2. Complete the attached form to provide driving directions, a project description, and a sketch or a plan detailing the proposed project. In addition, include a copy of a USGS quadrangle showing your project location, the agencies will be able to conduct a threatened and endangered species review for your project prior to the site visit which may also expedite your permit registration process. Submit this information by fax or mail to the primary contact to request a field view to screen for potential bog turtle habitat.
- 3. The agency representative will contact you to schedule an on-site assessment of the wetlands for bog turtle habitat. They will complete the bog turtle habitat screening form, sign it, and explain the results to you. You do not have to be present during the field view.
- 4. If it is determined that the project area (which includes the direct and indirect impact area) does not contain potential bog turtle habitat, submit the completed bog turtle habitat screening form provided to you along with the remainder of the information required by the general permit registration package, including the General Permit Registration form, to the appropriate Regional Office or Delegated County Conservation District for processing.

- 5. If it is determined that the project area (which includes the direct and indirect impact area) is potential bog turtle habitat, the agency representative will discuss your options with you. These may include moving the project to an alternate location, contacting a professional bog turtle surveyor, or consulting with the U.S. Fish and Wildlife Service. Neither a state general permit nor a federal State Programmatic General Permit can be registered without the U.S. Fish and Wildlife Service clearing the potential bog turtle conflict.
- 6. If you cannot avoid the impacts to bog turtle habitat, an Individual Chapter 105 and Section 404 Permit Application will be required for processing, public notice, and review. An application does not guarantee permit approval.
- 7. If you have any questions specific to this process, please contact the appropriate agency representative for your county.

PRIMARY CONTACT LIST BY COUNTY

Adams, Cumberland Counties

Debby Nizer U. S. Army Corps of Engineers Baltimore Dist., Regulatory Branch, PA Section P. O. Box 1715 Baltimore, MD 21203-1715

Phone: 410-962-6085 Fax: 410-962-6024

Berks (Philadelphia District), Bucks, Chester (Philadelphia District), Delaware, Montgomery Counties

Chief, Applications Section
U. S. Army Corps of Engineers
Philadelphia Dist., Regulatory Branch
Wanamaker Building
100 Pen Square East
Philadelphia, PA 19107-3390
Phone: 215-656-6728

Fax: 215-656-6724

Franklin, Lehigh, Northampton, Schuylkill (Swatara

U.S. Fish and Wildlife Service 315 South Allen St., Suite 322 State College, PA 16801

Creek Watershed) Counties

Phone: 814-234-4090 Fax: 814-234-0748

Berks (Baltimore District), York Counties

Mike Danko
U. S. Army Corps of Engineers
Carlisle Regulatory Field Office
401 East Louther Street, Suite 205
Carlisle, PA 17013

Phone: 717-249-8730 Fax: 717-240-0523

Chester (Baltimore District), Lancaster, Lebanon Counties

Pat Strong
U. S. Army Corps of Engineers
Baltimore Dist., Regulatory Branch, PA Section
P. O. Box 1715
Baltimore, MD 21203-1715

Baltimore, MD 21203-1715 Phone: 410-962-1847 Fax: 410-962-6024

Monroe County

Victor Motts
Monroe County Conservation District
8050 Running Valley Road
Stroudsburg, PA 18360-8841
Phone: 570-629-3060
Fax: 570-629-3063

If you have more general questions or need information on permitting, please contact the appropriate DEP Regional Office listed below.

DEP DEP DEP

Northeast Regional Office

2 Public Square

909 Elmerton Avenue

Wilkes-Barre, PA 18711-0790

570-826-2511

Southcentral Regional Office

909 Elmerton Avenue

2 East Main Street

Norristown, PA 19401

484-250-5940

Lehigh, Monroe, and Northampton, and Schuylkill (Swatara Creek Watershed)

Adams, Berks, Cumberland, Franklin, Lancaster, Lebanon, and York Counties

Montge

Counties

Bucks, Chester, Delaware, and Montgomery Counties

SPECIAL BOG TURTLE HABITAT SCREENING

U. S. ARMY CORPS OF ENGINEERS/DEPARTMENT OF ENVIRONMENTAL PROTECTION STATE PROGRAMMATIC GENERAL PERMIT/WATER OBSTRUCTION AND ENCROACHMENT GENERAL PERMIT

APPLICANT INFORMATION						
Applicant Name						
Mailing Address		Telephone ()				
City	State	ZIP+4				
Email Address						
PROJECT DESCRIPTION						
Project Name						
County	Municipality					
Latitude	Longitude					
Which general permit(s) are you planning to register?	P GP-5 ☐ GP-6 ☐	GP-7				
Detailed Written Directions to Project						
Briefly Describe Your Project						
		·				
SIG	SNATURE					
I hereby grant permission for representatives of the U. S. Army Corps of Engineers or other authorized screening representative to inspect the project site as necessary in order to perform the requested habitat determination.						
Signature		Date				
On the reverse side of this page, prepare a sketch showing your project, the wetlands, and all proposed impacts.						

					Applicant Name			
BOG TURTLE HABITAT - SKETCH PLAN								
To ensure the sketch plan is complete, include the following on the site plan in the immediate vicinity of the project. ($$ all that apply)								
YES	N/A	Stream Impacts with Dimensions Total Length Total sq. ft Wetland Impacts Total sq. ft. Wetland Acreage Onsite Stream Limits and Flow Direction Floodway Limits (if known) Limits of Earth Disturbance	YES	N/A	Stream NameChapter 93 Stream Designation Location of Property Lines Relative to the Project Existing Utilities Proposed Utilities Existing Buildings, Roadways, Other Structures Proposed Buildings, Roadways, Other Structures Other Waters (i.e. pond, lakes)			
		Associated with this Activity			Carlot Watere (i.e. peria, lance)			
					 Scale 1" = ft.			