

Commonwealth of Pennsylvania
 Department of Environmental Protection
 Northcentral Regional Office
 Waterways and Wetlands Program - Permits Section

WATER OBSTRUCTION AND ENCROACHMENT PERMIT

The Department of Environmental Protection ("Department"), established by the Act of December 3, 1970, P.L. 834 (71 P.S. §§510.1 *et seq.*) and empowered to exercise certain powers and perform certain duties under and by virtue of the Act of November 26, 1978, P.L. 1375, as amended by the Act of October 23, 1979, P.L. 204 (32 P.S. §§693.1 *et seq.*) known as the "Dam Safety and Encroachments Act"; Act of October 4, 1978, P.L. 851 (32 P.S. §§679.101 *et seq.*) known as the "Flood Plain Management Act"; Act of June 22, 1937, P.L. 1987, (35 P.S. §§691.1 *et seq.*), known as "The Clean Streams Law"; and the Administrative Code, Act of April 9, 1929, P.L. 177, as amended, which empowers the Department to exercise certain powers and perform certain duties by law vested in and imposed upon the Water Supply Commission of Pennsylvania and the Water and Power Resources Board, hereby issues this Permit to:

**Transcontinental Gas Pipeline Company, LLC
 2800 Post Oak Boulevard, Level 6, Houston, TX 77056**

giving its consent to:

construct, operate and maintain approximately 8.6-miles of forty-two-inch (42") diameter pipeline and appurtenant structures, which is co-located with the existing Transco Leidy Line System. Construction of the new natural gas pipeline within an existing one hundred-foot (100') gas pipeline right-of-way will require the following: twenty (20) stream and twenty-one (21) wetland encroachments:

A total of twenty (20) temporary and seventeen (17) permanent stream impacts are proposed to West Branch Little Muncy Creek (CWF, EV), UNT to West Branch Little Muncy Creek (CWF, EV), Little Indian Run (CWF, MF), UNT to Little Indian Run (CWF, MF), UNT Little Muncy Creek (CWF, MF), Beaver Run (CWF, MF), UNT to Beaver Run (CWF, MF), Big Run (CWF, MF), UNT to Big Run (CWF, MF), Sugar Run (CWF, MF), UNT to Sugar Run (CWF, MF), Larrys Creek (HQ-CWF, EV). Project watercourse impacts shall include and be limited to a total of 2322 linear feet (0.77 acres) of temporary stream impacts and a total of 2009 linear feet (0.25 acres) of permanent stream impacts.

A total of twenty-one (21) temporary and fourteen (14) permanent wetland impacts are proposed. Project wetland impacts shall include and be limited to a total of 2790 linear feet (4.06 acres) of temporary wetland impacts and a total of 1668 linear feet (0.28 acres) of permanent wetland impacts.

A total of nineteen (19) temporary and fourteen (14) permanent floodway impacts are proposed. Project floodway impacts shall include and be limited to a total of 4694 linear feet (4.77 acres) of temporary floodway impacts and a total of 1797 linear feet (0.16 acres) of permanent floodway impacts.

Specific impacts are shown in Appendix 1.

Upon completing pipeline installation, the site shall effectively be restored to reestablish pre-existing floodway current, course and cross-sections.

All in-stream pipeline construction activities shall be performed in dry work conditions by dam and pumping stream flow around the work areas. Construction of the ASR-Unity Loop will result in 0.72-acres of temporary stream impacts with 0.04-acres of permanent stream loss with an additional 0.05-acres of temporary stream impacts with 0.21-acre of permanent stream loss included with Larry's Creek Mitigation Permittee Responsible Mitigation site. Construction of the ASR-Unity Loop will result in 1.93-acres of temporary wetland impact with 0.17-acres of permanent wetland loss with an additional 2.13-acres of temporary wetland impact with 0.11-acre of permanent wetland loss included with Larry's Creek Mitigation PRM site. The project eastern terminus is located along Mordan Hollow Road and the western terminus is located along Barto Hollow Road (Sonestown and Picture Rocks, PA Quadrangles Latitude N: Starts – 41.261518° and ends – 41.268885 ° ; Longitude W: Starts – 76.526921° and ends – 76.699998 °) in Jordan, Franklin and Penn Townships – Lycoming County.

If the work authorized by this Permit is not completed on or before the **31st day of December A.D. 2020**, this Permit, if not previously revoked or specifically extended by the Department in writing, shall become void without further notification.

This Permit is issued in response to an application filed with the Department of Environmental Protection on **10th day of August A.D. 2015**, and with the understanding that the work shall be performed in accordance with the maps, plans, profiles and specifications filed with and made a part of the application subject, however, to the provisions of the Dam Safety and Encroachments Act, the Flood Plain Management Act, The Clean Streams Law, the Administrative Code, the Rules & Regulations promulgated thereunder and the following conditions and restrictions.

1. The permittee shall sign the Acknowledgement of Appraisal of Permit Conditions thereby expressly certifying the permittee's acceptance of, and agreement to comply with, the terms and conditions of this permit. The permittee shall return a signed copy of the Acknowledgement of Appraisal of Permit Conditions to the Department. Unless the Acknowledgement of Appraisal of Permit Conditions form is completed and filed with the Department, this permit is void;
2. The Department, in issuing this permit, has relied on the information and data which the permittee has provided in connection with his permit application. If, subsequent to the issuance of this permit, such information and data prove to be false, incomplete or

inaccurate, this permit may be modified, suspended, or revoked, in whole or in part, and the Department may, in addition, institute appropriate legal proceedings;

3. This permit does not give any property rights, either in real estate or material, nor any exclusive privileges, nor shall it be construed to grant or confer any right, title, easement, or interest in, to, or over any land belonging to the Commonwealth of Pennsylvania; neither does it authorize any injury to private property or invasion of private rights, nor any infringement of Federal, State, or Local laws or regulations; nor does it obviate the necessity of obtaining Federal assent when necessary;
4. The work shall at all times be subject to supervision and inspection by representatives of the Department, and no changes in the maps, plans, profiles, and specifications as approved shall be made except with the written consent of the Department. The Department, however, reserves the right to require such changes or modifications in the maps, plans, profiles, and specifications as may be considered necessary. The Department further reserves the right to suspend or revoke this permit if in its opinion the best interest of the Commonwealth will be sub served thereby;
5. This permit authorizes the construction, operation, maintenance and normal repair of the permitted structures conducted within the original specifications for the water obstruction or encroachment, and in accordance with the regulations of the Department and term and conditions of this permit. Any repairs or maintenance involving modifications of the water obstruction or encroachment from its original specifications, and any repairs or reconstruction involving a substantial portion of the structure as defined by regulations of the Department shall require the prior written approval and permit of the Department;
6. All construction debris, excavated material, brush, rocks, and refuse incidental to this work shall be removed entirely from the stream channel and placed either on shore above the influence of flood waters, or at such dumping ground as may be approved by the Department;
7. There shall be no unreasonable interference with the free discharge of the river or stream or navigation during construction;
8. If future operations by the Commonwealth of Pennsylvania require modification of the structure or work, or if, in the opinion of the Department of Environmental Protection, the structure or work shall cause unreasonable obstruction to the free passage of floodwaters or navigation, the permittee shall, upon due notice, remove or alter the structures, work or obstructions caused thereby, without expense to the Commonwealth of Pennsylvania, so as to increase the flood carrying capacity of the channel or render navigation reasonably free, easy, and unobstructed, in such manner as the Department may require. No claim shall be made against the Commonwealth of Pennsylvania on account of any such removal or alteration;
9. The permittee shall notify the Department, in writing, of the proposed time for commencement of work at least 15 days prior to the commencement of construction;

10. If construction work has not been completed within the time specified in this permit and the time limit specified in this permit has not been extended in writing by the Department or if this permit has been revoked for any reason, the permittee shall, at his own expense and in a manner that the Department may prescribe, remove all or any portion of the work as the Department requires and restore the watercourse and floodplain to their former condition;
11. The permittee shall fully inform the engineer or contractor, responsible for the supervision and conduct of the work, of the terms, conditions, restrictions and covenants of this permit. Prior to the commencement of construction, the permittee shall file with the Department in writing, on a form provided by the Department, a statement signed by the permittee and an individual responsible for the supervision or conduct of the work acknowledging and accepting the general and special conditions contained in this permit. Unless the acknowledgment and acceptance have been filed, this permit is void. A copy of this permit and the acknowledgment shall be available at the work site for inspection upon request by an officer or agent of the Department or another Federal, State, County, or municipal agency;
12. The permittee shall operate and maintain the structure or work authorized herein in a safe condition in accordance with the permit terms and conditions and the approved maps, plans, profiles, and specifications;
13. This permit may not be transferred without prior written approval from the Department, such approval being considered upon receipt of the properly executed "Application of Transfer of Permit" form;
14. If and when the permittee desires to discontinue use or abandon the activity authorized herein, he must remove all or part of the structure or work authorized and take other actions as are necessary to protect safety and the environment in accordance with a permit issued by the Department;
15. If the use of explosives in any waterways is required, the permittee shall secure the prior written permit from the Pennsylvania Fish and Boat Commission, pursuant to the Pennsylvania 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, 450 Robinson Lane, Bellefonte, PA 16823-9620, telephone 814-359-5140;
16. Permittee shall implement and monitor Erosion and Sedimentation Control Plan prepared in accordance with Chapter 102 so as to minimize erosion and prevent excessive sedimentation into the receiving watercourse or body of water;
17. The project site shall at all times be available for inspection by authorized officers and employees of the Pennsylvania Fish and Boat Commission. Prior to commencement and upon completion of the work authorized by this permit, the permittee shall notify the

Pennsylvania Fish and Boat Commission's Northcentral Regional Office, 466, Robinson Lane, Pleasant Gap, PA 16823-5306;

18. The project site shall at all times be available for inspection by authorized officers and employees of the County Conservation District. Prior to commencement and upon completion of the work authorized by this permit, the permittee shall notify the Lycoming County Conservation District, 542 County Farm Road, Suite 202, Montoursville, PA 17754, telephone 570.433.3003;
19. **Work may not commence until a signed copy of the Acknowledgement of Appraisal of Permit Conditions is received by the Department.** Any work authorized by this permit conducted prior to the Department's receipt of a signed copy of the Acknowledgement of Appraisal of Permit Conditions is a violation of the Dam Safety and Encroachments Act and the Clean Streams Law, and you may be subject to fines and penalties pursuant to those Acts.
20. **SPECIAL CONDITIONS:** Permittee shall be responsible for compliance with each of the following special conditions. The Pennsylvania Department of Environmental Protection shall be referred to hereinafter as either "DEP" or the "Department."

SPECIAL CONDITIONS

Water Supplies:

- A. At least 72 hours in advance of beginning any construction activities, the permittee shall directly notify all identified public and private water supplies owners identified in Appendix A of the Well and Spring Monitoring Plan (August 2017).
- B. If the project results in a pollution event or other adverse impact to any public or private water supplies, the permittee shall immediately notify the Department and the potentially affected public or private water supplies of the pollution event, and implement the mitigation measures specified in the Well and Spring Monitoring Plan (August 2017).
- C. In the event the permittee's work causes adverse impacts to a public or private water supply source, the permittee shall address the restoration or replacement of the impacted water supply and mitigate and/or remediate any pollution resulting from the project in accordance with applicable legal requirements.
- D. At least 72 hours in advance of beginning construction activities, the permittee shall notify all owners of surface water intakes within one mile downstream from each stream crossing, including but not limited to, drinking water users and industrial and commercial users.
- E. The permittee shall immediately notify a landowner with a water supply within 450 feet of an HDD of any discharge of pollution associated with the project.

- F. If a public or private drinking water source not previously identified by the permittee is discovered by the permittee during construction, the permittee shall immediately notify the Department of the identified water source and shall notify the source owner of the permittee's construction activities.

Historic, Cultural or Archaeological Resources:

- G. The permittee and its agents shall visually inspect for historic, cultural, and archaeological resources that may be encountered during construction of the project and shall immediately cease earth disturbance activities in the vicinity of the archaeological artifacts upon encountering such potential artifacts.
- H. If potential historic, cultural, and archaeological resources are discovered, the permittee shall immediately notify the DEP Regional Office in the DEP region where the artifacts are found and shall concurrently notify the Pennsylvania Historical and Museum Commission (PHMC) at P.O. Box 1026, Harrisburg, PA 17120-1026, telephone 717.783.8947.
- I. The permittee shall not adversely impact any historic, cultural, and archaeological resources that are identified by the latest published version of the Pennsylvania Inventory of Historical Places and the National Register of Historical Places.
- J. The permittee shall comply with all terms and conditions of the Submerged Lands License Agreement (SLLA) entered into between the Department and the permittee for the natural gas pipeline crossing of the Beaver Run Said SLLA is incorporated herein by reference.

Temporary Road Crossings:

- K. All temporary road crossings of streams and wetlands must meet all of the following conditions:
1. The permittee shall restore and stabilize all temporary crossing sites immediately after termination of its permitted use.
 2. Permittee shall at all times ensure that all culverts have a waterway opening sufficient to adequately convey the normal flow of the watercourse or stream, and that culverts are of sufficient length to extend beyond the toe of the clean rock fill.
 3. Permittee shall ensure that culverts are installed in such manner that overtopping of the roadway will occur within the stream channel. This can be accomplished by providing a depressed roadway embankment within the stream channel.
 4. Permittee shall minimize excessive fill and excavation of stream banks by utilizing culverts with as large a diameter as possible. The minimum diameter size of a culvert to be used is no less than 12 inches.
 5. Road and causeway embankments shall be constructed of clean rock material in order to minimize stream channel sedimentation during placement, removal, and periods of overtopping.

6. All temporary bridges shall be of single span construction from top of bank to top of bank and must be structurally stable.
7. Approach roads to temporary road crossings shall utilize original grades. However, clean rock material or gravel to a depth of six inches above original grade can be utilized for approaches, as necessary.
8. Causeways shall not extend streamward a distance greater than one-half the width of the stream channel.
9. Temporary road crossings shall be kept open and functioning at all times by maintaining the crossings free of debris and other obstructions.
10. The permittee shall promptly repair any damage resulting from increased backwater caused by a temporary road crossing. The permittee shall remove temporary road crossings in the event of high waters to prevent increased backwater.
11. If permittee cannot avoid a wetland crossing, all wetland crossings shall be located at the narrowest practicable point of the wetlands.
12. All wetland crossings shall be installed in accordance with plan specifications.
13. Temporary embankments for roads across wetlands shall be installed to maintain the hydrology of the wetland.
14. The discharge of pollution to any water of the Commonwealth is prohibited.
15. Access roads should not approach the stream channel directly downslope, but should traverse the slope obliquely to prevent high velocity road drainage flows from directly entering the stream channel. Road drainage shall include proper erosion and sediment control Best Management Practices.
16. The permittee shall remove all or any portion of a temporary road crossing upon written notification from the Department in the event the project is causing an adverse impact on public health, safety or the environment or in any other manner violates the requirements of the Pennsylvania Clean Streams Law, Dam Safety and Encroachments Act 25 Pa. Code 105.1 *et seq.*, or both.
17. The permittee shall be responsible for determining and documenting which method of crossing is appropriate for each resource. This documentation shall be provided to the Department with the pre- and post-construction photographs. The permittee shall submit this documentation to the respective DEP Regional Office within ninety (90) days after completion of work under the respective permit.

Site Field Verification, Restoration and Monitoring:

- L. Prior to installation of all pipeline crossings, the permittee shall take new pre-construction photographs at each of the crossing areas depicting the existing conditions. The permittee shall prepare and maintain a record of pre- and post- conditions of each stream and wetland crossing. The permittee shall submit this documentation to the respective DEP Regional Office within ninety (90) days after completion of work under the respective permit.
- M. All wetlands within the project area shall be accurately field-delineated prior to the start of construction activities and until the earth disturbance activities are completed and the site has been stabilized. An acceptable means of field-identification of wetlands includes, but is not limited to, the use of an orange construction safety fence and/or flags.
- N. For a period of 5 years following construction, the permittee shall monitor for secondary impacts to hydrology, i.e., the loss of hydrology, to all watercourses with a drainage area of less than 100 acres, including those watercourses that originate within the project right-of-way (ROW). Reports shall be submitted to DEP in the spring and fall for the first two (2) calendar years following construction and annually for three (3) years thereafter.
1. The monitoring reports shall contain information describing the presence or absence of hydrology at the time of inspection, a narrative comparison to hydrology present in the watercourse during pre-permitting field investigation(s), and photographs of the watercourse.
 2. If the monitoring identifies a diminution or complete loss of hydrology, the permittee shall evaluate whether the activities authorized by this Permit caused the loss of hydrology and submit this evaluation to the Department for review.
 3. If the Department determines that the activities authorized by this Permit are contributing to the loss of hydrology, the permittee shall prepare a written plan to correct the loss of hydrology to the watercourse (Plan). The permittee shall submit the Plan to DEP for review and approval. If DEP identifies any deficiencies with permittee's Plan, then the permittee shall provide DEP a written response to address the stated deficiencies within 15 days of receiving written notice of DEP's deficiencies, unless DEP extends that timeframe in writing.
 4. The permittee shall implement the DEP-approved Plan to address the loss of hydrology to a water course within ninety (90) days of receiving written approval from DEP, unless DEP extends that timeframe in writing.
 5. In the event that loss of hydrology from activities conducted under this Permit cannot be restored, the permittee shall submit a mitigation plan to DEP that sets forth the manner in which full loss of hydrology and associated water will be compensated for (Mitigation Plan). If DEP identifies any deficiencies with the permittee's Mitigation Plan, then the permittee shall provide DEP a written response to address the stated deficiencies within 15 days of receiving written notice of DEP's deficiencies, unless DEP extends that timeframe in writing. The permittee shall implement the DEP-approved Mitigation Plan within 90 days of receiving written approval from DEP, unless DEP extends that timeframe in writing.

6. Monitoring may be terminated or extended in writing by DEP based upon monitoring reports submitted.
- O. For wetland excavations, the permittee shall segregate the soil horizons and replace the soil horizons to match pre-construction conditions. For areas where bore pits are proposed in or adjacent to wetlands, or if a restrictive layer, including but not limited to clay or fragipans, is encountered during the trench excavation, the permittee shall have a knowledgeable wetlands scientist on the Environmental Inspection Team that shall oversee backfilling of the trench and installation of trench plugs, in order to maintain wetland hydrology.
- P. Topsoil shall be segregated from subsoil in all wetland areas.
- Q. All disturbed areas are to be restored, stabilized and shall be replanted with indigenous plant species. Excess fill from disturbed areas and construction activities shall be located outside of the floodway, floodplain and wetlands. The permittee is responsible for stabilizing any excess materials spoiled onsite or offsite, whether the permittee owns the site or others own the site.
- R. Rock riprap shall be used in the stream bed only where a shear stress analysis has determined that scour protection is necessary to ensure stability of the resource.
- S. A trench in which the pipeline will be laid shall be backfilled in a manner that does not create the formation of a permanent ridge in a streambed or wetland.
- T. Each stream channel shall be restored by using a minimum of six (6) inches of native stream bed material. For streams where riprap is necessary to prevent scour, the riprap shall be depressed sufficiently to allow six (6) inches of native stream bed material over the riprap.
- U. All Palustrine Forested (PFO) and Palustrine Scrub-Shrub (PSS) wetlands within the temporary ROW shall be replanted with woody species present in the wetland prior to the permittee conducting construction activities. The plantings need not mirror pre-construction maturity.
- V. In accordance with the Riparian Area Replanting Plan in Attachment L, Appendix L-2 of the permit application, forested riparian areas in the temporary ROW along watercourses shall be replanted with native tree species for a minimum distance of fifty feet (50') or the Federal Emergency Management Agency (FEMA) mapped 100-year floodplain, whichever is greater, landward from the top of both banks of non-special protection streams and 150 feet (150') from HQ/EV streams, in a similar density as the trees existed prior to the permittee conducting construction activities. The density of replanted trees shall be similar to the density that existed prior to the permittee conducting construction activities but shall provide no less than sixty percent (60%) uniform canopy cover upon maturation and shall be appropriate to the geographic location. Maintenance and inspections shall ensure survival and growth of plantings and protection from competing plants and animals, including noxious weeds and invasive species, over a 5-year establishment period to ensure proper functioning of riparian forest buffers.
- W. Each stream channel shall be restored and properly stabilized upon completion of the associated stream crossing. Where riprap is proposed, the riprap shall be depressed and covered with a

minimum of 6-inches of streambed material. The restored streambed elevation shall not exceed the pre-existing streambed elevation.

- X. The permittee shall avoid wetland impacts, to the extent practicable, and minimize any such impacts. The permittee shall immediately restore all disturbed wetland areas to original contours, and replant with indigenous wetland vegetation in accordance with the restoration plans as presented in the permit application. Wetland disturbances shall be minimized and stabilized with indigenous vegetation within ten (10) calendar days of final earthmoving to prevent erosion and provide cover, shading, and food source for aquatic life. Any temporary wetland crossings shall be constructed using low ground pressure machinery and wetland mats or similar devices. Excess fill shall not be deposited in any wetland, watercourse, floodway, floodplain, or other body of water.
- Y. For a period of five (5) years, the permittee shall monitor the stream and wetland plantings in the permanent ROW. Monitoring reports shall be submitted to the respective DEP Regional Office in the spring (May 15) and fall (November 15) for the first two (2) calendar years following construction and annually (November 15) for three (3) years thereafter.
1. The monitoring reports shall describe the status of the site at the time of each inspection including, but not limited to, an inventory of the surviving plant species and percent areal coverage, photographs of the replacement site with plans showing the location and orientation of each of the photographs, and a written plan to correct any deficiencies identified during the monitoring phase.
 2. Monitoring may be terminated or extended in writing by DEP based upon monitoring reports submitted.
- Z. Permittee shall ensure at least an eighty-five percent (85%) survival rate of wetland plantings during the five (5) year monitoring period. Additional wetland plantings and or reports in subsequent years beyond the initial five (5) years may be required if an eighty-five percent (85%) survivability of planted species is not achieved.
- AA. Streambank disturbance shall be minimized and stabilized with indigenous vegetation within 24 (24) hours upon completion of final earthmoving to prevent erosion and to provide cover, shading, and food source for aquatic life.

Wetland Compensatory Mitigation and Monitoring:

- BB. The permittee shall mitigate for PFO wetlands and PSS wetlands in accordance with their "Permittee-Responsible Compensatory Wetland Mitigation Plan" in Attachment Q of the permit application to compensate for the function and value loss associated with permanently converting 0.06 acres of PFO wetlands to Palustrine Emergent (PEM) wetlands and to account for the temporal loss of 0.18 acres of PFO wetlands temporarily impacted along the ROW during construction.
- CC. For at least five (5) years after the restoration activities are completed, the permittee shall monitor the Permittee Responsible Mitigation Sites. Within sixty (60) days of completing construction, the permittee shall submit "as-built" drawings for the mitigation sites to the DEP.

Monitoring reports shall be submitted to the respective DEP Regional Office where the mitigation project(s) is(are) located at a frequency of every six (6) months for the first two (2) years after mitigation site construction and annually for at least three (3) years thereafter.

1. The monitoring reports shall contain information describing the success of the site at the time of inspection, an inventory of the surviving plant species and percent aerial coverage, photographs of each site with plans showing the location and orientation of each of the photographs, and a written plan to correct any deficiencies identified during the monitoring phase.
2. If the Permittee Responsible Mitigation Sites have not achieved design objectives within the monitoring period, the permittee will undertake remedial work to assure establishment of functional wetland habitats.

- DD. Permittee Responsible Mitigation Sites shall be considered successful when they meet the design objectives.
- EE. Construction of the Permittee Responsible Mitigation Sites shall commence prior to or concurrently with wetland impacts requiring compensation as authorized by this permit.
- FF. Permittee Responsible Mitigation Sites shall be completed within one (1) growing season from the commencement of the activities authorized by this permit. Within thirty (30) days of completion, the permittee shall submit as-built drawings to the respective DEP Regional Office if as-built conditions vary from the original approved plans. If the DEP determines there is a significant difference from the approved plans, revised plans shall be submitted, and a permit amendment may be required.
- GG. The permittee shall provide copies of the recorded deed restrictions or conservation easements for the compensatory wetland mitigation sites within sixty (60) days after permit issuance. Time-stamped copies of the recorded instruments shall be sent to the respective DEP Regional Office.

Horizontal Directional Drilling:

- HH. Fifteen days before Horizontal Directional Drilling (HDD) operations start at an HDD location, the permittee will notify all landowners within 450 feet of HDD alignments, (by US Postal Service Certified Mail and First Class Mail) and offer such landowners the opportunity to have their water supplies within 450 feet of the HDD alignment sampled before, during and after the HDD operation in accordance with the parameters in the Transco Well and Spring Monitoring Plan (August 2017).
- II. The permittee shall construct and operate the HDD crossings at wetlands, streams and floodways in a manner to prevent a release of drilling fluid to "waters of the Commonwealth," as that term is defined in the Clean Streams Law, 35 P.S. § 691.1. The permittee shall immediately notify the Department at 570-327-3636 in the event of an Inadvertent Return and immediately activate and implement the Horizontal Directional Drilling Contingency Plan to prevent any impacts to waters of the Commonwealth and other natural resources.

- JJ. The permittee shall take measures to avoid drilling activities in the vicinity of mine voids and utilities.
- KK. The permittee shall visually monitor the ground surface and within waters of the Commonwealth generally along the path of the HDD while drilling operations are occurring. This monitoring shall include walking, wading and use of a boat, as necessary to effectively observe and monitor for any return to the surface of materials associated with waters of the Commonwealth. If loss of circulation of drilling fluid occurs or drilling fluid pressure is lost, the permittee shall immediately investigate the drilling pathway and general surrounding area for an inadvertent return. If an inadvertent return is discovered, then drilling shall immediately cease.
1. If an inadvertent return occurs, HDD can only resume after a Registered Professional Geologist or Registered Professional Engineer inspects and evaluates the site for the likelihood of another inadvertent return. Drilling will only be allowed to continue following consultation with and written approval from the DEP.
 2. For those HDD sites that do not have an approved contingency crossing method, the permittee shall submit a permit modification to the DEP for review and approval prior to commencing an alternate crossing method.
- LL. Inadvertent returns that impact or discharge to streams, floodways or wetlands during HDD operations shall be remediated in compliance with the Horizontal Directional Drilling Contingency Plan. If clean-up operations differ from the submitted plans, prior approval from the respective DEP Regional Office will be necessary for any modifications to the Horizontal Directional Drilling Contingency Plan.
- MM. HDD additives which are certified for conformance with ANSI/NSF Standard 60 (Drinking Water Treatment Chemicals - Health Effects) are deemed acceptable to DEP, when used in strict compliance with the manner indicated in the certification of the additive. All conditions included as part of the additive's certification must be followed. A current listing of certified drilling fluids is maintained by NSF at <http://www.nsf.org/Certified/PwsChemicals/Listings.asp?ProductFunction=Drilling+Fluid&>. Use of drilling additives certified for conformance with ANSI/NSF Standard 60 does not relieve operators from the requirement to obtain the necessary permits to conduct HDD operations. Use of certified additives does not relieve the operator of liability should an inadvertent return or other pollution of waters of the Commonwealth occur as a result of drilling operations.

Habitat Conservation Plans and Threatened and Endangered Species Protection:

- NN. The permittee shall comply with all applicable avoidance and conservation measures and other recommendations by the U.S. Fish and Wildlife Service (USFWS), PA Game Commission (PGC), PA Fish and Boat Commission (PFBC) and PA Department of Conservation and Natural Resources (DCNR) to protect federal and state listed species.
- OO. The permittee shall implement all Avoidance Measures identified by the jurisdictional resource agencies for any threatened or endangered species or species of special concern.

PP. Prior to conducting any future maintenance activities on the pipeline or right of way which involve earth disturbance, the Permittee shall conduct a then-current Pennsylvania Natural Diversity Inventory search, shall obtain clearance(s) for any species or resource where a potential impact is identified, provide the avoidance and mitigation plan to the Department prior to initiating such maintenance work and shall implement and adhere to all avoidance measures outlined in such clearance(s).

Seasonal Restrictions:

QQ. The permittee shall not perform any in-stream work in waters listed by the PFBC as trout stocked streams and their tributaries between March 1 and June 15 without the prior written approval from the PFBC's Division of Environmental Services, 450 Robinson Lane, Bellefonte, PA 16823-9620; telephone 814.359.5147.

RR. The permittee shall not perform any in-stream work in waters listed by the PFBC as Class A wild trout fishery streams and their tributaries between October 1 and April 1 without the prior written approval of the PFBC's Division of Environmental Services, 450 Robinson Lane, Bellefonte, PA 16823-9620; telephone 814.359.5147.

SS. The permittee shall not perform any in-stream work in waters listed by the PFBC as "other wild trout streams or their tributaries" between October 1 and December 31 without the prior written approval of the PFBC's Division of Environmental Services, 450 Robinson Lane, Bellefonte, PA 16823-9620; telephone 814.359.5147.

TT. Permittee shall comply with other seasonal restrictions stated in the various Habitat Conservation Plans unless a written variance is issued by the appropriate resource agency.

Miscellaneous:

UU. Herbicide spraying of wetlands is not authorized by this Permit. Additionally, with the exception of a 10-foot wide area centered over the pipeline, maintenance mowing of wetlands is not authorized by this Permit. The permittee shall place and maintain signs or other demarcation around the boundary of each wetland to clearly delineate the areas where this maintenance is not authorized. The permittee shall place the signs or other demarcations when all restoration work is completed and prior to permit termination.

VV. This Permit does not convey any real property rights or interests or authorization to trespass on privately-owned riparian land. By accepting this Permit, the permittee certifies that he/she holds title, easement, right or other real interest in the riparian land. Any dispute over ownership of this land is solely a matter for private litigation.

WW. Riprap and stone used throughout the project, including the construction of causeways and coffer dams, shall be free of fines and silts, or other non-erodible material.

XX. All temporary water withdrawal intake structures and all appurtenant works shall be removed from the watercourse, body of water, floodway, and floodplains within sixty (60) days of initial placement, unless otherwise extended in writing by the Department.

YY. Trench plugs shall be placed at each of the following locations:

1. At ten feet (10') from the top of each bank of a stream
2. At fifty feet (50') from the top of each bank of a stream
3. At ten feet (10') from the edge of a wetland
4. At fifty feet (50') from the edge of a wetland

ZZ. Place a minimum of one (1) trench plug at a maximum spacing of one hundred feet (100') between trench plugs within a wetland. Wetland crossings of less than fifty feet (50') do not require an internal trench plug.

AAA. If during excavation a groundwater seep is encountered, a trench plug shall be placed at ten feet (10') from each side of the seep.

BBB. All french drains associated with the project shall be removed or otherwise rendered inoperable prior to final site restoration.

CCC. Water pumped from any construction area shall be diverted into a sediment trap, basin, or a filter bag discharging into an appropriate vegetated filter area to prevent sediment from being discharged into any waters of the Commonwealth.

DDD. Open Trench Crossings: The permittee shall construct open trench pipeline crossings in dry conditions by constructing during periods of no water flow and/or by installing stream flow bypass systems (flumed or pumped) through the affected area.

1. Each crossing shall be conducted in an uninterrupted process as quickly as possible. Impacts to waters of the Commonwealth shall be avoided, to the extent practicable, and if not practicable, then minimized in accordance with the permittee's approved plans.
2. The permittee may cross dry channels, swales and ephemeral streams without the use of stream flow bypass systems if the channel has no flow and the stream crossing and stabilization can be completed in dry conditions and within twenty-four (24) hours. Standby sandbag dams and pumps shall be located on-site and installed in the event of precipitation resulting in channel flow.

EEE. The permittee shall cross intermittent and perennial streams using trenchless methods (HDD or Direct Boring DB) or through the use of stream flow bypass systems. Bypass systems must stay in use until streambeds and banks are adequately stabilized. Downstream flow must be maintained during the construction.

FFF. Depth of Pipeline in Stream Bed: The permittee shall locate all pipelines under stream beds with a minimum of three feet (3') of cover between the top of the pipe or encasement and the lowest point in the stream bed, unless the pipeline is in rock, where a minimum cover of one foot (1') shall be provided.

- GGG. Aids to Navigation Plan: The permittee shall implement the approved Aids to Navigation (ATON) Plan as received under the Fish and Boat Code, 30 Pa. C.S. §§ 5121-5124, and 58 Pa. Code Chapter 113, 58 Pa. Code § 113.1 *et seq.*
- HHH. This Permit authorizes specific impacts to waters of the Commonwealth that were specifically described in the permit applications and revisions. Any proposed changes regarding the specific impacts will require a permit modification.
- III. Any additional impacts to waters of the Commonwealth from water obstruction or encroachment activities including, but not limited to, temporary access roads, lay-down areas, staging areas, or temporary work spaces, that have not been specifically identified in the permit application are not authorized by this Permit.
- JJJ. No deviation from the construction methodology or project design that is shown on the approved drawings is authorized under this Permit unless approved by the Department in writing.
- KKK. This Permit does not relieve the permittee of the obligation to comply with any Federal or State laws.
- LLL. The permittee shall follow the measures specified in the Environmental Construction Plan (April 2017) during construction.
- MMM. The permittee shall maintain a copy of the Environmental Construction Plan (April 2017) on-site at all times during construction. The permittee shall train all staff to use and implement this Plan. The permittee shall produce the Environmental Construction Plan (April 2017) to any Department representative upon request.
- NNN. All synthetic erosion control features (e.g., silt fencing, netting, mats), which are intended for temporary use during construction, will be completely removed and properly disposed of in a timely manner. Only natural fiber materials which will degrade over time will be used as permanent erosion control measures, or if used temporarily, may be abandoned in place.

DEPARTMENT OF ENVIRONMENTAL PROTECTION



David W. Garg, P.E.
Environmental Program Manager
Waterways and Wetlands Program

August 30, 2017
Date

Appendix 1 – Project Impacts

Stream Impact Table: Lycoming County

Impact Number	Identification			Location				Stream Impacts			Floodway Impacts		Crossing Information			
	Stream Identification	Stream Name	Chapter 93 Designated Use	Latitude	Longitude	Municipality (Township)	Quadrangle	Temporary Crossing Length (feet)	Permanent Crossing Length (feet)	Temporary Impact Area (acres)	Permanent Impact Area (acres)	Temporary Impact Area (acres)	Permanent Impact Area (acres)	Crossing Type	Crossing Method	Trout Identification
2, 3, 4, 5	WW-T01-22016	West Branch Little Muncy Creek	CWF, EV	41.26185	-76.53174	Jordan	Sonestown	109.84	5.32	0.0321	0.0018	0.1534	0.0085	GAS	I	WT
6, 7, 8, 9	WW-T01-22016A	UNT to West Branch Little Muncy Creek	CWF, EV	41.26190	-76.53191	Jordan	Sonestown	95.72	5.04	0.0393	0.0024	0.1035	0.0045	GAS	I	WT
10, 11, 12, 13	WW-T01-22015	UNT to West Branch Little Muncy Creek	CWF, EV	41.26185	-76.53251	Jordan	Sonestown	76.23	6.28	0.0082	0.0005	0.1280	0.0086	GAS	I	WT
14	WW-T01-22015A	UNT to West Branch Little Muncy Creek	CWF, EV	41.26194	-76.53249	Jordan	Sonestown	28.25	0.00	0.0037	0.0000	0.0000	0.0000	GAS	V	WT
22, 23, 24, 25	WW-T01-22014	Little Indian Run	CWF, MF	41.26211	-76.54800	Franklin	Sonestown	72.34	5.14	0.0249	0.0017	0.0110	0.0004	GAS	I	WT
26, 27, 29, 30	WW-T01-22012	UNT to Little Indian Run	CWF, MF	41.26226	-76.56057	Franklin	Sonestown	71.53	5.04	0.0177	0.0013	0.0963	0.0061	GAS	I	WT
33, 34	WW-T01-22012A	UNT to Little Indian Run	CWF, MF	41.26233	-76.56067	Franklin	Sonestown	96.97	5.30	0.0095	0.0006	0.0000	0.0000	GAS	I	WT
35, 36, 37, 38	WW-T01-22011	UNT to Little Muncy Creek	CWF, MF	41.26269	-76.56980	Franklin	Sonestown	97.48	5.04	0.0361	0.0020	0.0913	0.0057	GAS	I	WT

Impact Number ^a	Identification		Location				Stream Impacts				Floodway Impacts			Crossing Information		
	Stream Identification	Stream Name	Chapter 93 Designated Use	Latitude	Longitude	Municipality (Township)	Quadrangle	Temporary Crossing Length (feet)	Permanent Crossing Length (feet)	Temporary Impact Area (acres)	Permanent Impact Area (acres)	Temporary Impact Area (acres)	Permanent Impact Area (acres)	Crossing Type ^b	Crossing Method ^c	Trout Identification ^d
41, 42, 43, 44	WW-T01-22010	UNT Beaver Run	CWF, MF	41.26327	-76.58225	Franklin	Sonestown	106.04	5.02	0.0914	0.0047	0.0204	0.0007	GAS	I	WT
51, 52, 53, 54	WW-T01-22009	Beaver Run	CWF, MF	41.26391	-76.59270	Franklin	Sonestown	114.12	5.73	0.1272	0.0069	0.0860	0.0043	GAS	I	WT
55	WW-T01-22008A	UNT Beaver Run	CWF, MF	41.26475	-76.60401	Penn	Sonestown	59.35	0.00	0.0314	0.0000	0.0000	0.0000	GAS	V	WT
56, 57, 58, 59	WW-T01-22008	UNT Beaver Run	CWF, MF	41.26465	-76.60409	Penn	Sonestown	100.16	5.15	0.0526	0.0034	0.3143	0.0151	GAS	I	WT
60, 61	WW-T01-22008B	UNT to Beaver Run	CWF, MF	41.26470	-76.60449	Penn	Sonestown	165.66	6.64	0.0503	0.0019	0.0000	0.0000	GAS	I	WT
69, 70	WW-T01-22006	UNT Big Run	CWF, MF	41.26480	-76.61861	Penn	Sonestown	0.00	0.00	0.0000	0.0000	0.5615	0.0259	GAS	IV	None
73, 74, 75, 76	WW-T01-22006B	UNT Big Run	CWF, MF	41.26494	-76.62088	Penn	Sonestown	211.30	10.82	0.0619	0.0047	0.4130	0.0127	GAS	I	None
80, 81, 82	WW-T01-22007	Big Run	CWF, MF	41.26506	-76.62246	Penn	Sonestown	85.93	6.51	0.0276	0.0022	0.0037	0.0000	GAS	I	None
87, 88, 89, 90	WW-T01-22003	UNT to Sugar Run	CWF, MF	41.26643	-76.64225	Penn	Picture Rocks	98.56	5.13	0.0193	0.0011	0.1941	0.0097	GAS	I	WT

Impact Number ^a	Identification			Location			Stream Impacts				Floodway Impacts			Crossing Information		
	Stream Identification	Stream Name	Chapter 93 Designated Use	Latitude	Longitude	Municipality (Township)	Quadrangle	Temporary Crossing Length (feet)	Permanent Crossing Length (feet)	Temporary Impact Area (acres)	Permanent Impact Area (acres)	Temporary Impact Area (acres)	Permanent Impact Area (acres)	Crossing Type ^b	Crossing Method ^c	Trout Identification ^d
93, 94, 95, 96	WW-T01-22002	Sugar Run	CWF, MF	41.26670	-76.65584	Penn	Picture Rocks	95.94	5.01	0.0449	0.0022	0.5368	0.0257	GAS	I	WT
99, 100, 101, 102	WW-T65-27001	UNT to Sugar Run	CWF, MF	41.26710	-76.65992	Penn	Picture Rocks	98.63	5.07	0.0182	0.0010	0.5992	0.0340	GAS	I	WT
103	WW-T65-27001A	UNT to Sugar Run	CWF, MF	41.26709	-76.66030	Penn	Picture Rocks	214.04	0.00	0.0235	0.0000	0.0000	0.0000	GAS	V	WT
104	WW-T46-22001	Greg's Run	CWF, MF	41.26870	-76.69109	Penn	Picture Rocks	0.00	0.00	0.0000	0.0000	1.1192	0.0000	GAS	IV	None
105	WW-T71-22001	UNT to Greg's Run	CWF, MF	41.26928	-76.68895	Penn	Picture Rocks	0.00	0.00	0.0000	0.0000	0.1207	0.0000	GAS	IV	None
106	WW-T24-22003	UNT to Beaver Run	CWF, MF	41.26552	-76.58082	Franklin	Sonestown	0.00	0.00	0.0000	0.0000	0.0351	0.0000	TEMP RD	IV	WT
107	WW-T01-22002	Sugar Run	CWF, MF	41.26670	-76.65584	Penn	Picture Rocks	0.00	0.00	0.0000	0.0000	0.1849	0.0000	TEMP RD	IV	WT
Totals								1998.11	92.25	0.7197	0.0386	4.7724	0.1620			

^a Impact numbers correspond to the impact numbers presented in Attachment E-2 of Transco's Chapter 105 Application.

^b Gas=gas pipeline crossing or floodway impacts, TBC=temporary bridge crossing, TEMPRD = temporary road crossing

^c I=Dry Crossing Method includes Dam & Pump, Flume, or Cofferdam, II=Trenchless Crossing Method - Horizontal Directional Drill, III=Trenchless Crossing Method - Conventional Bore, IV=Floodway Impacts Only; V=Bridge Equipment Crossing

^d PAFBC Designations: ST = Stocked Trout; WT = Wild Trout; CA = Class A Trout

Appendix 1 – Project Impacts

Wetland Impact Table: Lycoming County

Identification		Location				Wetland Impacts						Crossing Information					
		Latitude	Longitude	Municipality (Township)	Quadrangle	Temporary Impact Area (acres)		Permanent Impact Area (acres)				Crossing Type ^b	Crossing Method ^c	State Wetland Classification (Other OR EV)			
Impact Number ^a	Wetland Identification					PFO	PSS	PEM	PFO	PSS	PEM	PFO	PSS	PEM			
1	W-T01-22016	41.26176	-76.53175	Jordan	Sonestown	0.0000	0.0000	0.0096	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	GAS	IV	EV
15, 16, 17	W-T01-22015	41.26204	-76.53266	Jordan	Sonestown	0.0005	0.0000	0.1266	0.0000	0.0000	0.0000	0.0000	0.0000	0.0079	GAS	I	EV
18, 19, 20, 21	W-T01-22014	41.26206	-76.54771	Franklin	Sonestown	0.0917	0.0000	0.2203	0.0353	0.0000	0.0184	0.0000	0.0000	0.0000	GAS	I	EV
28, 31, 32	W-T01-22013	41.26218	-76.56039	Franklin	Sonestown	0.0318	0.0000	0.0597	0.0149	0.0000	0.0000	0.0000	0.0000	0.0000	GAS	I	EV
39, 40	W-T01-22012	41.26270	-76.57002	Franklin	Sonestown	0.0000	0.0000	0.3548	0.0000	0.0000	0.0227	0.0000	0.0000	0.0227	GAS	I	EV
45, 46	W-T01-22011-1	41.26321	-76.58238	Franklin	Sonestown	0.0000	0.0000	0.0035	0.0000	0.0000	0.0004	0.0000	0.0000	0.0004	GAS	I	EV
47, 48, 49, 50	W-T01-22010	41.26393	-76.59242	Franklin	Sonestown	0.0483	0.0000	0.0334	0.0098	0.0000	0.0032	0.0000	0.0000	0.0032	GAS	I	EV
62, 63	W-T01-22009 / W-T01-22009-1	41.26469	-76.60473	Penn	Sonestown	0.0000	0.0000	0.2422	0.0000	0.0000	0.0154	0.0000	0.0000	0.0154	GAS	I	EV

Identification		Location			Wetland Impacts						Crossing Information			
Impact Number ^a	Wetland Identification	Latitude	Longitude	Municipality (Township)	Quadrangle	Temporary Impact Area (acres)			Permanent Impact Area (acres)			Crossing Type ^b	Crossing Method ^c	State Wetland Classification (Other OR EV)
						PFO	PSS	PEM	PFO	PSS	PEM			
65	W-T01-22007	41.26496	-76.61570	Penn	Sonestown	0.0054	0.0000	0.0000	0.0000	0.0000	0.0000	GAS	IV	EV
67, 68	W-T01-22004	41.26472	-76.61879	Penn	Sonestown	0.0000	0.0000	0.1057	0.0000	0.0000	0.0011	GAS	I	EV
71, 72	W-T01-22006	41.26491	-76.62049	Penn	Sonestown	0.0000	0.0000	0.1491	0.0000	0.0000	0.0107	GAS	I	EV
77, 78, 79	W-T01-22005	41.26503	-76.62218	Penn	Sonestown	<0.0001	0.0000	0.4154	0.0000	0.0000	0.0263	GAS	I	EV
91, 92	W-T01-22001	41.26647	-76.64240	Penn	Picture Rocks	0.0000	0.0000	0.0308	0.0000	0.0000	0.0019	GAS	I	EV
97, 98	W-T65-27001	41.26695	-76.65971	Penn	Picture Rocks	0.0000	<0.0001	0.0012	0.0000	0.0000	0.0000	GAS	IV	EV
Totals						0.1777	0.0000	1.7524	0.0600	0.0000	0.1080			

^a Impact numbers correspond to the impact numbers presented in Attachment E-2 of Transco's Chapter 105 Application.

^b GAS=gas pipeline, TEMPRD=temporary roadway crossing, AG=agricultural crossing

^c I = Open Cut, II = Trenchless Crossing Method - Horizontal Directional Drill, III = Trenchless Crossing Method - Conventional Bore, IV=Temporary Matting

Permit No. E41-667

ACKNOWLEDGMENT OF APPRISAL OF PERMIT CONDITIONS

I, _____
(Permittee name)

and _____
(Name address and telephone of individual responsible for supervision of work)

acknowledge and accept the general and special conditions of Permit No. E36-947, issued to

**Transcontinental Gas Pipe Line Company, LLC
2800 Post Oak Boulevard, Level 6, Houston, TX 77056**

which authorizes the permittee to:

construct, operate and maintain approximately 8.6-miles of forty-two inch (42") diameter pipeline and appurtenant structures, which is collocated with the existing Transco Leidy Line System. Construction of the new natural gas pipeline within an existing 100-foot gas pipeline right-of-way will require the following: twenty (20) stream and twenty-one (21) wetland encroachments:

A total of 20 temporary and 17 permanent stream impacts are proposed to West Branch Little Muncy Creek (CWF, EV), UNT to West Branch Little Muncy Creek (CWF, EV), Little Indian Run (CWF, MF), UNT to Little Indian Run (CWF, MF), UNT Little Muncy Creek (CWF, MF), Beaver Run (CWF, MF), UNT to Beaver Run (CWF, MF), Big Run (CWF, MF), UNT to Big Run (CWF, MF), Sugar Run (CWF, MF), UNT to Sugar Run (CWF, MF), Larrys Creek (HQ-CWF, EV). Project watercourse impacts shall include and be limited to a total of 2322 linear feet (0.77 acres) of temporary stream impacts and a total of 2009 linear feet (0.25 acres) of permanent stream impacts.

A total of 21 temporary and 14 permanent wetland impacts are proposed. Project wetland impacts shall include and be limited to a total of 2790 linear feet (4.06 acres) of temporary wetland impacts and a total of 1668 linear feet (0.28 acres) of permanent wetland impacts.

A total of 19 temporary and 14 permanent floodway impacts are proposed. Project floodway impacts shall include and be limited to a total of 4694 linear feet (4.77 acres) of temporary floodway impacts and a total of 1797 linear feet (0.16 acres) of permanent floodway impacts. Upon completing pipeline installation shall effectively be restored to reestablish pre-existing floodway current, course and cross-sections.

All in-stream pipeline construction activities shall be performed in dry work conditions by dam and pumping stream flow around the work areas. Construction of the ASR-Unity Loop will result in 0.72-acres of temporary stream impacts with 0.04-acres of permanent stream loss with an additional 0.05-acres of temporary stream impacts with 0.21-acre of permanent stream loss included with Larrys Creek Mitigation PRM site. Construction of the ASR-Unity Loop will result in 1.93-acres of temporary wetland impact with 0.17-acres of permanent wetland loss with an additional 2.13-acres of temporary wetland impact with 0.11-acre of permanent wetland loss included with Larrys Creek Mitigation PRM site. The project eastern terminus is located along Mordan Hollow Road and the western terminus is located along Barto Hollow Road (Sonestown and Picture Rocks, PA Quadrangles Latitude N: Starts – 41.261518° and ends – 41.268885 ° ; Longitude W: Starts – 76.526921° and ends – 76.699998 °) in Jordan, Franklin and Penn Townships – Lycoming County, PA.

(Permittee signature)

(Date)

(Signature of individual responsible
for supervision of work)

(Date)

Return To:

Department of Environmental Protection
Northcentral Regional Office
Waterways and Wetlands Program
208 West Third Street Suite 101
Williamsport, PA 17701-6448

Permit No. E41-667

**WATER OBSTRUCTION AND ENCROACHMENT PERMIT
COMPLETION REPORT**

Project Location:

County Lycoming

Municipality Jordan, Franklin and Penn Townships

I (We) hereby certify that the work authorized by the above referenced permit

was completed on _____ in accordance with the plans approved and that all
(Date)

unauthorized obstructions have been removed.

Name: _____
(Typed or printed)

Signature: _____

Title: _____

Firm: _____

Date: _____

Return To:

Department of Environmental Protection
Northcentral Regional Office
Waterways and Wetlands Program
208 West Third Street Suite 101

Williamsport, PA 17701-6448