

August 22, 2025

PA Department of Environmental Protection
Attn: Rebecca M. Albert, P.G., Environmental Group Manager
400 Market Street
Harrisburg, PA 17101

Subject: Technical Deficiency Letter
E&S Permit Application No. ESP830025001-00
APS No. 1139477; AUTH ID No. 1530808
Transcontinental Gas Pipe Line Company, LLC
Northeast Supply Enhancement Project - Quarryville Loop & Compressor Station
Drumore, East Drumore, Eden & Bart Townships, Lancaster County
East Whiteland Township, Chester County

Dear Ms. Albert,

On behalf of Transcontinental Gas Pipe Line Company, LLC (Transco), AECOM is responding to the technical deficiency letter received from the PA Department of Environmental Protection (PADEP) and Chester and Lancaster County Conservation Districts in its letter dated August 8, 2025, regarding the filed application for construction activities at existing Compressor Station 200 and the proposed Quarryville Loop a new natural gas pipeline. The aforementioned application is specific to the Project components within Drumore, East Drumore, Eden, and Bart Townships, in Lancaster County, as well as East Whiteland Township within Chester County.

On behalf of Transco, AECOM is hereby providing a response to those comments put forward by PADEP. This letter presents our responses (in unbold text) to the comments in support of our updated application materials submitted to PADEP and the Districts for further review.

Comments regarding the E&S Plan

Comments from the Lancaster County Conservation District:

- 1. Page 283 of the PA Erosion Control Program Manual indicates the length of time required for open trench operations should be specified on the E&S plans, and this time period should be the minimum necessary to efficiently excavate the trench, install the pipe, backfill the trench, and begin stabilization of disturbed areas. Include this length of time on the E&S plans. [25 Pa Code § 102.4(b)(4)(i), 102.11(a)(1)].**

The length of time required for open trench installation activities has been specified on the E&S Plan Sequence of Construction – Pipeline #16 on the E&S Cover and as noted will not exceed more than 30 days.

- 2. The Site Restoration plans include station numbers. Include these station numbers on the E&S plan drawings. [25 Pa Code § 102.4(b)(5)(ix)].**

Station numbers as shown on the Site Restoration plans have now been included on the E&S plan drawings.

3. **Sheet 1 of the E&S plan drawings indicates the following under “Sequence of Construction – Pipeline”: “The contractor will be required to provide a sequence of construction (with timelines and by milepost in terms of which areas of the project will be constructed in which order prior to the start of any earth disturbance.” Provide this sequence of construction on the E&S plans as part of this application or justify how the current sequence of construction provided on the plan drawings is adequate. [25 Pa Code § 102.4(b)(5)(vii)]**

The Sequence of Construction provided on the Quarryville Loop E&S Plan cover sheet details the set of sequential operations, unique to the pipeline industry. Various crews, each with its own set of responsibilities, will undertake construction under each spread. As one crew completes its work, the next crew will move into position to complete its piece of the construction process. The entire process will be coordinated in such a manner as to minimize the total time a tract of land is disturbed and thus is susceptible to erosion and/or temporarily precludes normal use. By operating in this manner, construction will proceed along the pipeline ROW in one continuous operation, much like a moving assembly line.

The timeline of this process by milepost will be determined at the offset of construction and then adjusted accordingly during construction to coordinate these crews and the transition from each type of work crew which can be impacted by several factors, such as weather conditions. Therefore, providing timelines on the E&S Plan is not recommended as it may need to be adjusted and revised during construction to ensure that spreads do not get too far ahead of each other due to differing progress, which can allow an area to be disturbed for too long, which this process is working to avoid. Prior to construction start, the contractor will finalize their construction plan, and it will be assessed each week and day accordingly. At start of construction, PADEP and the Conservation Districts can be provided with the initial timeline by milepost plan along with the notification of start work.

4. **Step 12 of the construction sequence references the installation of diversion terraces, diversion berms, bypass flumes, outlet protection, and compost filter sock after steps 10 and 11 (topsoil stripping and rough grading). Include provisions in the sequence for the installation of BMPs prior to the earth disturbance activities or justify how the current construction sequence is appropriate. [25 Pa Code § 102.4(b)(5)(vii)]**

Provision for the installation of BMPs prior to earth disturbance activities has been included in the Sequence of Construction #13 on the E&S Cover.

5. **Reference the construction of Channel 1 within the construction sequence. [25 Pa Code § 102.4(b)(5)(vii)]**

Construction of Channel 1 has been referenced in the MLV Sequence of Construction Notes on Sheet 32 of the E&S Plan Drawings.

6. **Provide a construction sequence for the installation of the three valve sites. [25 Pa Code § 102.4(b)(5)(vii)]**

Construction sequence for the Installation of the three valves sites has been provided on Sheet 32 of the E&S Plan Drawings.

7. **Identify boundaries between soil use types on the E&S plan drawings or separate exhibit. [25 Pa Code § 102.4(b)(5)(ii)]**

Boundaries between soil use types have been identified and added to the E&S plan drawings.

- 8. Within question 3 on page 1 of the E&S Module 1, describe the past, present, and proposed land uses of the project site. [25 Pa Code § 102.4(b)(5)(lii)].**

The land uses of the project site have been broken down into past, present, and proposed within question 3 of E&S Module 1

- 9. Within page 6 of the E&S Module 1, the E&S plan developer has identified being a certified E&S Professional/ In the spaces provided, include a certification type and certification number. Alternatively, to document E&S-related experience, the plan preparer may provide a completed Standard E&S Worksheet #22 from the PA Erosion Control Program Manual. [25 Pa Code § 102.4(b)(3)].**

The certification type and number has been provided for the E&S plan developed on page 6 of E&S Module 1.

- 10. The plan drawings show “SB” proposed through the ROW, which the construction detail indicates corresponds to silt fence. However, the legend indicates that the sediment barrier is filter sock, and Standard Worksheet #1 indicates compost sock is proposed. Clarify the specific type of sediment barriers proposed on the E&S plan drawings. Note that ABACT-rated requirements may apply. [25 Pa Code § 102.4(b)(5)(ix)].**

The type of sediment barrier proposed on the E&S plan drawings has been clarified as compost filter sock to meet the ABACT-rated requirements. Each sock has been labeled with the “CFS” nomenclature that corresponds with the respective CFS detail and sock number.

- 11. Many sediment barriers shown on the E&S plan drawings cross existing contours. Review all compost filter socks and revise each as needed to ensure the placement of the compost filter socks is parallel to existing contours. [25 Pa Code § 102.4(b)(5)(ix)].**

Compost filter socks have been adjusted on the E&S plan drawings to be parallel to contours and do not cross contours.

- 12. A construction detail has been provided in the lower left of E&S plan sheet 28 with no description. Provide additional information on the E&S plans for what this detail is intended to represent. [25 Pa Code § 102.4(b)(5)(ix)].**

The construction detail in the lower left of E&S plan sheet 28 has been amended to include the associated notes for the permanent stone access road.

- 13. Sheet 28 of the E&S plan drawings indicates a diversion terrace will outlet to a compost filter sock (detail OS3). Compost filter socks are not recommended to receive concentrated flow prior to changing to sheet flow. Revise the design of the diversion terrace outlet structures or justify how the compost socks will be sufficient to outlet runoff from the terraces. [25 Pa Code § 102.4(b)(5)(ix)].**

The Sump & Compost Filter Sock Outlet (Detail OS4), which is an approved alternative BMP will be used throughout the project to provide energy dissipation and sediment control in accordance with 25 Pa Code § 102.4(b)(5)(ix).

- 14. The OS3 compost filter sock outlet structure detail indicates a maximum of 2-percent slope along the diversion terrace. Worksheet #11 for several of the diversion terraces indicates slopes greater than 2-percent. If this construction detail will be utilized, clarify whether any diversion terraces that outlet to a compost sock will have a slope greater than 2-percent, and if so, revise the construction detail. [25 Pa Code § 102.4(b)(5)(ix)].**

Worksheet #11 was completed for diversion berms and channels with designed outlet protections, such as rock aprons and rip rap outlet basins, not for the diversion terraces (waterbars) previously associated with Detail OS3. Diversion berms, which may exceed 2-

percent slope, have been designed with appropriate channel lining and non-erosive outlet structures to safely convey concentrated flows, as documented in Module 1, Appendix D.4.

- 15. For each diversion terrace on the E&S plan drawings, provide labeling indicating the BMP/construction detail that will serve as the terrace outlet. [25 Pa Code § 102.4(b)(5)(ix)].**

Labels identifying diversion terraces have been provided on the E&S plan drawings as OS.4.

- 16. Within the construction details for the diversion terrace and diversion berm or the construction sequence, provide instructions for the temporary and permanent stabilization of the berms after each berm is constructed. [25 Pa Code § 102.4(b)(5)(ix)].**

Diversion Terrace (DT) and Diversion Berm (DIV) Construction details have been updated to include temporary and permanent stabilization measures in accordance with 25 Pa Code § 102.4(b)(5)(ix).

- 17. Label each diversion terrace on the E&S plan drawings with its identifier as listed in Worksheet #11 and the bypass flume drainage area maps. [25 Pa Code § 102.4(b)(5)(ix)].**

Each diversion terrace on the E&S plan drawings and the bypass flume drainage area maps (Module 1, Appendix D.2) has been labeled.

- 18. A portion of a diversion berm on sheet 14 to the west of Wetland W-T02-005A-1 is outside the limits of disturbance. Revise the E&S plan drawings to fully place this diversion berm within the limits of disturbance. [25 Pa Code § 102.4(b)(5)(ix)].**

Diversion berm on sheet 14 has been adjusted to be within the limits of disturbance.

- 19. The alternative rock construction entrance (RCE) does not meet ABACT standards. The approved alternative ABACT 100-foot RCE has the first 50 feet, including entrance flare, of rolled and compacted 2RC over 4-inches of AASHTO #1 aggregate. The second 50 feet consists of standard 8-inches AASHTO #1 aggregate. Review and revise to meet ABACT standards. Refer to the Example Alternative Rock Construction Entrance detail on DEP's Alternative E&S and PCSM BMPs document, accessible from PADEP's E&S Resources webpage. Ensure that all bold-faced notes under Standard Construction Detail #3-1 (Page 14 of the E&S Manual) are included with the construction detail. [25 Pa Code §102.4(b)(5)(ix), 102.11(a)(1)].**

The E&S plan drawings have been amended to show 150-FT RCEs as allowed by space constraints. Manual street cleaning is advised per General Notes 8 and 9 on the E&S plan drawings in cases where the full length of RCE cannot be achieved due to space constraints.

- 20. The construction details for the "sediment barrier" and "super sediment barrier" on sheet 30 of the E&S plans do not match the construction details for the silt fence and super silt fence in the PA Erosion Control Program Manual. In particular, some of the notes have not been included on the details. Ensure these details on the plans are consistent with the details in the Manual. [25 Pa Code §102.4(b)(5)(ix), 102.11(a)(1)].**

Sediment barrier and super sediment barrier details have been removed from the E&S plan drawings as only Compost Filter Socks are proposed as ABACT-compliant sediment barriers.

- 21. It does not appear all compost filter socks shown on the E&S plan drawings or listed in the table on sheet 26 of the E&S plan drawings have been included in Worksheet #1. Ensure all compost socks shown on the E&S plan drawings have been included in Worksheet #1 and the table on sheet 26. [25 Pa Code § 102.4(b)(5)(viii)].**

All compost filter socks shown on the E&S plan drawings have been listed in Worksheet #1 (Module 1, Appendix D.1) and the table in sheet 26 of the E&S Plan.

- 22. A note has been provided at the end of Standard E&S Worksheet #1 indicating why slope lengths for some compost socks have been exceeded; however, this note has been cutoff in a printing error. Ensure the entirety of the note is provided on Worksheet #1. [25 Pa Code § 102.4(b)(5)(viii)].**

Standard E&S Worksheet #1 (Module 1, Appendix D.1) has been replotted to show the note that was previously cut off.

- 23. The drainage area to the sediment traps was not able to be located on the E&S plan drawings or supporting calculations. Provide a schematic which delineates and labels the drainage area of the sediment traps, consistent with the drainage area listed in Standard E&S Worksheet #19. [25 Pa Code § 102.4(b)(5)(viii)].**

Drainage Area Maps for sediment traps are included in Module 1, Appendix D.2.

- 24. Provide supporting calculations to demonstrate whether a minimum of 700 cubic feet per acre of volume for the sediment storage zone is met for each compost sock sediment trap. [25 Pa Code § 102.4(b)(5)(viii)].**

Standard E&S Worksheet #19 (Module 1, Appendix D.3) shows that each compost sock sediment trap was designed with a minimum 2,000 cf/acre capacity, which exceeds the 700 cubic feet per acre minimum specified in 25 Pa Code § 102.4(b)(5)(viii).

- 25. Provide a construction detail for erosion control blanketing from the PA Erosion Control Program Manual on the E&S plan drawings. [25 Pa Code §102.4(b)(5)(ix), 102.11(a)(1)].**

A construction detail for erosion control blanketing from the PA Erosion Control Program Manual has been added to the E&S plan detail drawings.

- 26. Show the known or assumed FEMA floodway for each stream crossing on the E&S plan drawings. [25 Pa Code §102.4(b)(5)(ix)].**

There are no known FEMA floodways mapped within the project area. PADEP assumed 50-foot floodways have been added to the E&S plan drawings with associated labels and line work.

- 27. Provide a stapling pattern detail for the erosion control blanketing proposed in Channel 1 and the diversion berms. [25 Pa Code § 102.4(b)(5)(ix)].**

A construction detail for erosion control blanketing stapling pattern has been added to the E&S plan detail drawings.

- 28. Show proposed channel lining for Channel 1 on the E&S plan drawings. [25 Pa Code § 102.4(b)(5)(ix)].**

Stone channel lining has been added to Channel 1 on sheet 2 of the E&S Plan.

- 29. For the permanent conditions of Channel 1, the value of Manning's coefficient listed in Standard E&S Worksheet #11 does not match the values listed in Table 6.3 of the PA Erosion Control Program Manual for the given flow depth and slope. Revise accordingly or justify why the currently provided Manning's coefficient values are sufficient. [25 Pa Code § 102.4(b)(5)(viii)].**

Worksheet #11 (Module 1, Appendix D.5) has been revised to reflect the appropriate Manning's roughness coefficient in accordance with Table 6.3 of the PA Erosion and Sediment Control Program Manual for the specified flow depth and slope of Channel.

- 30. Worksheet #11 for Channel 1 indicates the maximum allowable velocity for the permanent conditions of Channel 1 is 8 feet per second. This appears to be the maximum allowable velocity for the SC150 blanketing; however, this blanketing is not a permanent erosion control blanket and has a functional longevity of up to 24 months per the SC150 specification sheet. Revise Worksheet #11 to indicate the maximum allowable velocities**

for Channel 1 in the permanent conditions. Note that per page 132 of the PA Erosion Control Program Manual a maximum velocity of 3.0 to 4.0 ft/sec should be used under normal conditions if the vegetation is to be established by seeding. [25 Pa Code § 102.4(b)(5)(viii), 102.11(a)(1)].

Channel lining has been changed to SC250, which is a permanent turf reinforcement mat. Worksheet #11 has been revised to reflect the appropriate maximum velocity the VMax® SC250® Turf Reinforcement Mat Specification Sheet, which is included in Module 1, Appendix D.5.

- 31. Show the drainage area to Channel 1 on the E&S plan drawings or clarify where this information is located in the narrative. [25 Pa Code § 102.4(b)(5)(viii)].**

Drainage area to Channel CH-01 is shown on Drainage Area Map FP- 1681.00, located in Module 1, Appendix D.2.

- 32. For each proposed riprap apron, provide entries in E&S Worksheet #20 with supporting calculations for Q and V and provide completed Standard Construction Details 9-1 or 9-2 from the PA Erosion Control Program Manual on the E&S plans. [25 Pa Code § 102.4(b)(5)(viii), 102.11(a)(1)].**

E&S Worksheets #9, #10, #11 and #20 have been completed for each proposed riprap apron and included in Appendix D.5 of Module 1. A table has been added to the Riprap Apron detail (RPA) on sheet 27 of the E&S Plan.

- 33. On Sheet 2 of the E&S plans, provide an energy dissipation BMP at the discharge point of the culvert outfall, or justify why an energy dissipation BMP is not necessary and minimal potential for accelerated erosion is present due to discharges from this culvert pipe. [25 Pa Code § 102.4(b)(5)(viii), 102.4(b)(5)(ix)].**

E&S Worksheet #20 has been completed for culvert C-1 and included in Appendix D.5 of Module 1. Riprap Apron A-1 has been added to the E&S Plan on sheet 2 and Riprap Apron (RPA) detail on sheet 27 of the E&S Plan.

- 34. Provide additional labeling of existing and proposed contours on the E&S plan drawings. LCCD will use this information to verify whether E&S BMPs are adequately placed downslope of earth disturbance. [25 Pa Code § 102.4(b)(5)(i)].**

Additional existing and proposed contours labels have been added to the E&S plan drawings.

- 35. On sheet 2 of the E&S plan drawings, label the proposed contours associated with the proposed valve station. [25 Pa Code § 102.4(b)(5)(ix)].**

Additional contours labels have been added for the proposed valve site on sheet 2 of the E&S plan drawings.

- 36. Clarify the purpose of the temporary sandbag cofferdam shown on sheets 06 and 06B. [25 Pa Code § 102.4(b)(5)(ix)].**

The sandbag cofferdam shown on sheets 06 and 06B has been removed as it is not required for the project scope of work.

- 37. On sheets 06 and 06B of the E&S plan drawings, show the existing grading associated with the Atlantic Sunrise stormwater basins. [25 Pa Code § 102.4(b)(5)(ix)].**

Existing grading associated with the Atlantic Sunrise stormwater basin has been approximated on sheets 06 and 06B of the E&S plan drawings.

- 38. The E&S plan drawings provide a note indicating that water may be applied periodically to the worksite to control dust. In addition to this note, provide additional instructions on the E&S plan drawings for the control of dust from the project. Refer to Appendix H of the PA Erosion Control Program Manual for additional guidelines and BMPs for dust management. [25 Pa Code § 102.4(b)(5)(ix), 102.11(a)(1)].**

Additional instructions for dust control have been provided in General Soil Erosion and Sediment Control Note #35 on the E&S Plan Cover.

- 39. For each proposed wetland crossing shown on the E&S plan drawings, provide labels indicating the specific details to reference for construction methods and BMPs proposed in the wetlands. [25 Pa Code § 102.4(b)(5)(ix)].**

Wetland Equipment Crossing (WEC) figure and Wetland Crossing Configuration (WCC) labels have been added to the E&S plan drawings indicating the specific details to reference construction methods.

- 40. The labeling on E&S plan sheet 11A has been cut off on the south side of the ROW. Revise the plans to fully show the labeling. [25 Pa Code § 102.4(b)(5)(ix)].**

E&S plan sheet 11A has been revised to show the full extent of labels on the south side of the ROW.

- 41. Sheet 19 of the E&S plan drawings shows a gray-colored line adjacent to the proposed pipeline not depicted in the legend. Clarify what this gray line is intended to represent. [25 Pa Code § 102.4(b)(5)(ix)].**

The gray-colored lines adjacent to the proposed pipeline represent the permanent right-of-way. This line type has been adjusted to match the corresponding legend item.

- 42. On sheets 18 and 20 of the E&S plan drawings, show flared end sections associated with the construction entrances on Robert Fulton Highway and Kirkwood Pike. Ensure flared end sections are shown on each construction entrance throughout the limits of disturbance. [25 Pa Code § 102.4(b)(5)(ix)].**

The construction entrances off of Robert Fulton Highway and Kirkwood Pike on sheet 18 and 20, respectively, have been modified to show flared end sections.

- 43. On the E&S plan drawings and/or site restoration plans, provide a seed mix specific to steep slopes, other otherwise clarify how permanent stabilization will be established on steep slopes. [25 Pa Code § 102.4(b)(5)(ix)].**

A steep slope seed mix table has been added to Sheet 32 of the E&S plan drawings.

- 44. On sheet 18 of the E&S plan drawings, a wetland is shown adjacent to the limits of disturbance. Show safety fence/wetland exclusion fence around the wetlands adjacent to the limits of disturbance. For wetlands adjacent to the limits of disturbance, LCCD recommends showing exclusionary fencing throughout the E&S plan drawings. [25 Pa Code § 102.4(b)(5)(ix)].**

Sheet 18 of the E&S plan drawings has been updated to show exclusionary fencing around wetland W-T06-003A-1.

- 45. Clarify on the E&S plan drawings the location of the culvert shown in the culvert bedding detail on sheet 23 of the E&S plan drawings. [25 Pa Code § 102.4(b)(5)(ix)].**

Culvert C-01 is located and labeled on sheet 2 of the E&S plan.

Comments from the Chester County Conservation District:**46. Please illustrate Erosion Control Blanketing for the swale/s and bio retention basin on the main plan mapping. [25 Pa Code § 102.11(a)(1)]**

The Erosion Control Blanketing for C-01, C-02, and the bioretention basin has been depicted via hatching on the E&SC Plans (Sheet 08 and 15 of 17) and PCSM Plans (Sheet 5 and 9 of 12).

47. Stage 5 of the Sequence of Construction (SOC) removes topsoil prior to installation of E&S controls. All E&S controls should be installed prior to the beginning of earth disturbance activities. [25 Pa Code § 102.11(a)(1)]

The Sequence of Construction on the Cover Sheet of both the E&SC Plans (Sheet 1 of 17) and PCSM Plans (Sheet 1 of 12) have been updated. Step 6 has exchanged places with Step 7 to call for installation of E&S controls prior to topsoil removal. No other earth disturbance activities are to begin until Step 8.

48. The outlet of the bioretention basin will be discharging over recently disturbed ground, please provide an immediate stable flow path for the discharge such as blanketing the final grading downslope of the outlet pipes. [25 Pa Code § 102.11(a)(1)]

A Rock Construction Entrance has been removed from the flow path and this area has been called out to not be disturbed or immediately stabilized prior to construction of the bio-retention basin discharge culverts. Compost Filter Sock has also been revised where the Rock Construction Entrance had been and the lengths updated in WS#1 in E&S Supporting Calculations – Northeast Supply Enhancement – CS200. The Rock Construction Entrance to the southwest has been expanded to compensate. See Sheet 8 of 17 of the E&S Plans.

49. The installation of the Channels should be addressed in the SOC. [25 Pa Code §102.11(a)(1)]

The Sequence of Construction has been updated to include the installation of the channels, which are to occurring during construction of the Phase 2 features, Step 10 of the Sequence of Construction and within the Critical Stages of Construction on the Cover Sheet of both the E&S Plans (Sheet 01 of 17) and PCSM Plans (Sheet 1 of 12).

50. The temporary stone staging area restoration should be covered by a Critical Stage Inspection/s, please update SOC accordingly. [25 Pa Code § 102.11(a)(1)]

Temporary stone area restoration has been added in Step 12 of the Sequence of Construction and within the Critical Stages of Construction on the Cover Sheet of both the E&S Plans (Sheet 1 of 17) and PCSM Plans (Sheet 1 of 12). A callout in the temporary stone restoration area on the E&SC Plans has also been added to match that on the PCSM Plan to describe the restoration.

51. There are existing PCSM BMPs on the site below the proposed disturbance for the expanded staging area, a Critical Stage inspection should include verifying those existing PCSM BMPs have not been impacted by the earth disturbance from this current project. [25 Pa Code § 102.11(a)(1)]

Inspection of the existing PCSM BMPs below the existing permanent gravel area and restoration has been added in Step 14 of the Sequence of Construction and within the Critical Stages of Construction on the Cover Sheet of both the E&S Plans (Sheet 1 of 17) and PCSM Plans (Sheet 1 of 12).

Comments regarding the Application Form**52. Please provide final clearance from the Pennsylvania Fish and Boat Commission and include correspondences. [25 Pa Code § 102.6(a)(2)].**

A copy of the correspondence from Transco to PFBC dated August 12, 2025 has been provided with this submission and Transco will provide any further correspondence and the final clearance letter upon receipt.

53. Please reference the location to the Project Description in the NOI. [25 Pa Code § 102.6(a)(1)].

In Item 1 on the Project Site Information portion of the NOI a note has been added stating the Project Description write-up is located after the signature page.

54. Please be sure to include Valley Creek in the Stormwater Discharge Section of the NOI. [25 Pa Code § 102.6(a)(1)].

Valley Creek was detailed in the Stormwater Discharge Section of the NOI provided in the previous July 8, 2025 submission.

55. Please complete page 5 of Module 2. [25 Pa Code § 102.6(a)(1)].

Page 5 of Module 2 was completed and provided in the previous July 8, 2025 submission.

Comments regarding the PCSM Report**56. Please provide an EP Analysis for each discharge point location for the Quarryville Loop and the Compression Station 200. [25 Pa Code § 102.8(f)(8)].****Quarryville Loop**

An Erosion Potential Analysis has been prepared for every discharge point resulting in concentrated flow and all temporary bypass flume pipes. A table listing all the discharge points has been added to Appendix E of Module 1.

CS200

One discharge point (CS-200 DP-001) is associated with CS 200, located at the south eastern portion of the site in the vicinity of the property's existing driveway intersection with North Bacton Hill Road, where a point source discharge in the form of an existing culvert is currently present. In the proposed condition, the bioretention basin will be constructed just upslope of this area and discharge to this same location, with rates less than or equal to the pre-construction condition. As such, since the flow path characteristics will not change as a result of construction and calculations have been provided to demonstrate that the 10-year/24-hour storm discharge rate will not increase, an EP analysis would not be applicable in accordance with the Chapter 102 Permit Instructions [Form 3800-FM-BCW0271h] and FAQ #13 (scenario 13.b) outlined in the document entitled "Chapter 102 Erosion Potential Analysis Frequently Asked Questions (FAQ)", last Revised May 19, 2025, Version 1.3

Comments regarding the PCSM Plan**57. Please provide a profile of the proposed 42-inch diameter natural gas pipeline on the Soil Erosion and Sediment Control Plans and the Post Construction stormwater Management Plans. [25 Pa Code § 102.8(f)(9)].**

A typical pipeline profile depicting the typical cover has been provided within both the E&S and SR Plans.

58. The notations and call outs for the MLV-195-5 Geoweb System are not legible (Drawing Number 26-0100-70-28-D). Please revise the text accordingly.

The Geoweb System detail is now its own stand-alone detail and is no longer an inset on the MLV-195-5 schematic. This addresses the issue, and all notations and call outs are now legible.

59. The Typical Section Low-Permeability Liner System Bioretention Basin Side Slopes shows the 4" underdrain and an underdrain end cap. The underdrain end cap references another detail. This underdrain end cap detail is not provided in the Plans. Please provide the underdrain end cap detail. [25 Pa Code § 102.8(f)(9)].

The underdrain end cap detail is located on the PCSM plans (Sheet 10 of 12) and on the E&SC plans (Sheet 16 of 17).

Additional Technical Deficiencies

60. Please provide a copy of the 2016 Geology and Geohazard Risk Evaluation that was referenced within the Karst Report. [25 Pa Code § 102.8(f)(2)].

The Quarryville Loop 2016 Geology and Geohazard Risk Evaluation Report has been provided as an attachment to Module 1.

This submittal has been provided to PADEP and the Chester County Soil Conservation District via electronic submission, while one hard copy of this response submission has been sent via FedEx overnight to the attention of the Lancaster County Soil Conservation District. Transco has endeavored to provide a complete response to all information requested in the PADEP's August 8, 2025 letter. Should the PA DEP have any additional questions regarding the proposed Project and the submitted materials, please contact the undersigned at (610) 234-0381 or at heather.brewster@aecom.com. Thank you for your assistance.

Yours sincerely,



Heather L. Brewster
Senior Project Manager
heather.brewster@aecom.com

cc: Joseph Dean – Transco
File

Section 1

CH 102 Individual E&S Form



EROSION AND SEDIMENT CONTROL PERMIT FOR DISCHARGES OF STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITIES APPLICATION

Before completing this form, read the step-by-step instructions provided in the individual permit package.

DEP / CCD USE ONLY					
Date Received: _____			Permit ID: _____		
☐ Application Complete			Date of: ☐ Return ☐ Withdrawal ☐ Denial		
Date Determined Complete: _____			_____		
Issuance Date: _____			Date Resubmission Received: _____		
Effective Date: _____			Expiration Date: _____		
GENERAL INFORMATION					
1. Applicant Name(s): Transcontinental Gas Pipe Line Company, LLC (Transco)					
2. Appl. Type: ☒ New ☐ Renewal ☐ Major Amendment ☐ Minor Amendment Permit No. PA_____					
3. Project Description: See attached					
4. Project Activity: ☐ Road Maintenance ☐ Timber Harvesting ☒ Oil and Gas ☐ Other:					
5. ☐ Site Restoration Project 6. ☒ Discharges to Special Protection Waters (Module 3 Attached)					
7. ☒ Project Site Within 150 Feet of Special Protection Waters (Module 4 Attached)					
8. ☒ Phased Project No. phases: 2 No. phases complete:					
PROJECT SITE INFORMATION					
1. Project Site Name: Northeast Supply Enhancement- Quarryville Loop and CS200 (Project Description Write-up after signature page)					
2. Total Project Site Area: 228.39 acres					
3. Project Site Impervious Area – Pre-Construction:		23.71	acres	Percent of Total:	10.4 %
4. Project Site Impervious Area – Post-Construction:		26.31	acres	Percent of Total:	11.5 %
5. Hydric soils or other wetland features are present within the Project Site. ☒ Yes ☐ No					
☒ If Yes, the wetland determination is attached to the application.					
6. County Name	Municipality Name	City	Boro	Twp	State
Lancaster- Quarryville Loop	Drumore, East Drumore, Eden, and Bart	☐	☐	☒	PA
7. County Name	Municipality Name	City	Boro	Twp	State
Chester - CS200	East Whiteland	☐	☐	☒	PA
8. Site Location Address					
Quarryville Loop: 39.860939, -76.202406 CS200: 60 N Bacton Hill Rd, Malvern, PA 19355					
9. Site Location City	State	ZIP+4			
Various (linear project)	PA	17566-9410, 17566-9360, 17566-9611, 17566-9273, 17532-9741, 17518-9741, 17518-9745, 19355-1026			

OPERATOR INFORMATION

1. Operator Name: Transcontinental Gas Pipe Line Company, LLC 2. Contact Name: Joseph E. Dean
3. Operator Address: 2800 Post Oak Blvd, Suite 600 - Office 1135 4. Operator Phone: 215-667-9894
5. Operator City, State, ZIP: Houston, Texas 77056-6016
6. Operator's Role in Project: ☐ General Contractor ☐ Consultant ☐ Excavation Contractor ☒ Other
7. Operator's Responsibilities: Pipeline Operator

1. Operator Name: 2. Contact Name:
3. Operator Address: 4. Operator Phone:
5. Operator City, State, ZIP:
6. Operator's Role in Project: ☐ General Contractor ☐ Consultant ☐ Excavation Contractor ☐ Other
7. Operator's Responsibilities:

EARTH DISTURBANCE INFORMATION

1. Total Earth Disturbance Area 217.98 acres 9930809 sf *See attached for Lancaster and Chester county info.
2. Pre-Construction Impervious Area: 759662 sf Lancaster County: 87120 sf Chester County: 672542 sf
3. Post-Construction Impervious Area: 810628 sf Lancaster County: 57064 sf Chester County: 753564 sf
4. Pre-Construction/Present Land Use(s): 5. Post-Construction Land Use(s):
Meadow 7% Meadow 7%
Forested 4% Forested 4%
Impervious 5% Impervious 6%
Agricultural 68% Agricultural 68%
Grass 16% Grass 15%
6. ☒ A map/drawing showing the site, LOD, surface waters, discharge points, BMPs and drainage is attached.
7. Report latitude and longitude at the center of the proposed disturbed area.
Latitude: 39.860939/ 40.049792 Longitude: -76.202406/-75.587548
8. Horizontal Reference Datum: ☐ NAD of 1927 ☒ NAD of 1983 ☐ WGS of 1984 ☐ Unknown
9. There will be off-site construction support activities. ☐ Yes ☒ No
10. If Yes, identify the nature of known off-site support activities whose disturbance is included in #1, above:

Description of Off-Site Support Activity	Distance from Site	Disturbance Area
	mi	acres
	mi	acres

11. Identify any other off-site support activities whose disturbance is not included in #1, above (see instructions).

Description of Off-Site Support Activity	Distance from Site	Disturbance Area
	mi	acres
	mi	acres

12. Check the appropriate box concerning fill material (see instructions):
☐ No fill material is expected to be imported to the project site.
☒ It is expected that fill will be needed for this project. The source of fill has not yet been determined but will undergo environmental due diligence when identified.
☐ It is expected that fill will be exported from the project. The applicant has identified the source of the fill and has

determined the material to be clean fill. DEP's online Certification of Clean Fill form has been submitted.

EARTH DISTURBANCE INFORMATION (CONTINUED)

- ☐ It is expected that fill will be needed for this project, which is located on a site that is being remediated to Act 2 standards and will be utilized in accordance with DEP standards under that program.
- ☐ It is expected that fill will be needed for this project. The applicant has identified the source of the fill and has determined it to be regulated fill. The regulated fill is authorized on the project site under a Waste Management General Permit No. WMGR096 authorization dated: _____.
- ☐ It is expected that fill will be needed for this project, which is not on an Act 2 site. The applicant has identified the fill and has determined that it does not meet criteria for clean fill. The applicant is seeking authorization to use the regulated fill from DEP's Waste Management Program.

13. The site is enrolled in DEP's Act 2 Program. ☐ Yes ☒ No

14. The site was previously enrolled in DEP's Act 2 Program and cleanup standards have been met. ☐ Yes ☒ No

15. Is Act 537 sewage planning approval needed for this project? ☐ Yes ☒ No

The Act 537 approval letter is attached to the NOI. ☐ Yes ☐ No (will be submitted prior to approval) ☒ N/A

16. A Chapter 105 permit or authorization is required. ☒ Yes ☐ No

17. If Yes, identify the necessary authorization. ☒ Joint Permit ☐ General Permit ☐ Waiver

18. Other DEP/CCD permits or authorizations are required. ☐ Yes ☒ No

19. If Yes, identify the necessary authorizations.

EXISTING PERMITS

Identify all environmental permits issued by DEP/CCD/EPA or are pending for this facility/project site within the past 5 years.

Type of Permit	Permit No.	Date Issued	Issued By

COMPLIANCE HISTORY

Was/Is the facility owner or operator in violation of any DEP regulation, permit, order or schedule of compliance at this or any other facility or project site within the past 5 years? ☐ Yes ☒ No

If "Yes," list each permit, order or schedule of compliance and provide current compliance status. Use additional sheets to provide information on all permits.

Permit Program:

Permit No.:

Brief Description of Non-Compliance:

Steps Taken to Achieve Compliance

Date(s) Compliance Achieved

Current Compliance Status: ☒ In Compliance ☐ In Non-Compliance

STORMWATER DISCHARGE INFORMATION

1. List all stormwater discharge points during construction and provide the information requested below (see instructions). ☐ Not Applicable

Discharge Point No.	LATITUDE	LONGITUDE	RECEIVING WATERS					
	Degrees	Degrees	Name of Receiving Waters	Ches. Bay?	Non-Surface Waters	Ch. 93 Class.	Impaired?	TMDL?
001	39°48'54.80"	76°17'17.50"	UNT to Wissler Run via overland flow	☐	☒	HQ-WWF-MF	☐	☐
002	39°48'55.99"	76°17'07.46"	UNT to Wissler Run via overland flow	☐	☒	HQ-WWF-MF	☐	☐
003	39°48'58.97"	76°17'01.63"	UNT to Wissler Run via overland flow	☐	☒	HQ-WWF-MF	☐	☐
004	39°49'06.21"	76°17'01.47"	UNT to Wissler Run via overland flow	☐	☒	HQ-WWF-MF	☐	☐
005	39°49'11.05"	76°16'53.45"	UNT to Wissler Run via overland flow	☐	☒	HQ-WWF-MF	☐	☐
006	39°49'14.32"	76°16'48.06"	UNT to Wissler Run via overland flow	☐	☒	HQ-WWF-MF	☐	☐

2. List all stormwater discharge points after construction and stabilization are complete and provide the information requested below. ☐ Not Applicable

Discharge Point No.	LATITUDE	LONGITUDE	RECEIVING WATERS					
	Degrees	Degrees	Name of Receiving Waters	Ches. Bay?	Non-Surface Waters	Ch. 93 Class.	Impaired?	TMDL?
001	39°48'54.80"	76°17'17.50"	UNT to Wissler Run via overland flow	☐	☒	HQ-WWF-MF	☐	☐
002	39°48'55.99"	76°17'07.46"	UNT to Wissler Run via overland flow	☐	☒	HQ-WWF-MF	☐	☐
003	39°48'58.97"	76°17'01.63"	UNT to Wissler Run via overland flow	☐	☒	HQ-WWF-MF	☐	☐
004	39°49'06.21"	76°17'01.47"	UNT to Wissler Run via overland flow	☐	☒	HQ-WWF-MF	☐	☐
005	39°49'11.05"	76°16'53.45"	UNT to Wissler Run via overland flow	☐	☒	HQ-WWF-MF	☐	☐
006	39°49'14.32"	76°16'48.06"	UNT to Wissler Run via overland flow	☐	☒	HQ-WWF-MF	☐	☐

3. Will any of the points identified above discharge to a storm sewer system? ☐ Yes ☒ No Is the storm sewer an MS4 or CSS? ☐ Yes ☒ No

Name of storm sewer owner/operator:

Discharge points discharging to storm sewer:

4. Identify and describe all non-stormwater discharges that are expected to occur during permit coverage. Describe the frequency and volume of all such discharges.

De minimis impacts (e.g., dust control via water spray bar) - No non-stormwater discharges are anticipated but de minimis impacts may occur during construction operations.

☐ No non-stormwater discharges are anticipated.

5. Will there be any new or increased discharge to non-surface waters prior to reaching surface waters? ☐ Yes ☒ No

If Yes, the applicant is expected to 1) secure legal authority for the non-surface water discharge if the discharge will be to property not owned by the applicant, and 2) provide for adequate controls during and after earth disturbance activities to prevent accelerated erosion.

STORMWATER DISCHARGE INFORMATION

1. List all stormwater discharge points during construction and provide the information requested below (see instructions). ☐ Not Applicable

Discharge Point No.	LATITUDE	LONGITUDE	RECEIVING WATERS					
	Degrees	Degrees	Name of Receiving Waters	Ches. Bay?	Non-Surface Waters	Ch. 93 Class.	Impaired?	TMDL?
007	39°49'24.46"	76°16'30.26"	UNT to Wissler Run via WW-T02-008	☐	☐	HQ-WWF-MF	☐	☐
008	39°49'36.71"	76°16'12.51"	UNT to Wissler Run overland flow	☐	☒	HQ-WWF-MF	☐	☐
009	39°49'51.94"	76°15'59.57"	UNT to Muddy Run via overland flow	☐	☒	HQ-WWF-MF	☐	☐
010	39°49'51.84"	76°15'42.54"	UNT to Fishing Creek via overland flow	☐	☒	HQ-CWF-MF	☐	☐
011	39°49'54.03"	76°15'38.63"	UNT to Fishing Creek via overland flow	☐	☒	HQ-CWF-MF	☐	☐
012	39°50'05.01"	76°15'19.37"	UNT to Fishing Creek via overland flow	☐	☒	HQ-CWF-MF	☐	☐

2. List all stormwater discharge points after construction and stabilization are complete and provide the information requested below. ☐ Not Applicable

Discharge Point No.	LATITUDE	LONGITUDE	RECEIVING WATERS					
	Degrees	Degrees	Name of Receiving Waters	Ches. Bay?	Non-Surface Waters	Ch. 93 Class.	Impaired?	TMDL?
007	39°49'24.46"	76°16'30.26"	UNT to Wissler Run via WW-T02-008	☐	☐	HQ-WWF-MF	☐	☐
008	39°49'36.71"	76°16'12.51"	UNT to Wissler Run overland flow	☐	☒	HQ-WWF-MF	☐	☐
009	39°49'51.94"	76°15'59.57"	UNT to Muddy Run via overland flow	☐	☒	HQ-WWF-MF	☐	☐
010	39°49'51.84"	76°15'42.54"	UNT to Fishing Creek via overland flow	☐	☒	HQ-CWF-MF	☐	☐
011	39°49'54.03"	76°15'38.63"	UNT to Fishing Creek via overland flow	☐	☒	HQ-CWF-MF	☐	☐
012	39°50'05.01"	76°15'19.37"	UNT to Fishing Creek via overland flow	☐	☒	HQ-CWF-MF	☐	☐

3. Will any of the points identified above discharge to a storm sewer system? ☐ Yes ☒ No Is the storm sewer an MS4 or CSS? ☐ Yes ☒ No

Name of storm sewer owner/operator:

Discharge points discharging to storm sewer:

4. Identify and describe all non-stormwater discharges that are expected to occur during permit coverage. Describe the frequency and volume of all such discharges.

De minimis impacts (e.g., dust control via water spray bar) - No non-stormwater discharges are anticipated but de minimis impacts may occur during construction operations.

☐ No non-stormwater discharges are anticipated.

5. Will there be any new or increased discharge to non-surface waters prior to reaching surface waters? ☐ Yes ☒ No

If Yes, the applicant is expected to 1) secure legal authority for the non-surface water discharge if the discharge will be to property not owned by the applicant, and 2) provide for adequate controls during and after earth disturbance activities to prevent accelerated erosion.

STORMWATER DISCHARGE INFORMATION

1. List all stormwater discharge points during construction and provide the information requested below (see instructions). ☐ Not Applicable

Discharge Point No.	LATITUDE	LONGITUDE	RECEIVING WATERS					
	Degrees	Degrees	Name of Receiving Waters	Ches. Bay?	Non-Surface Waters	Ch. 93 Class.	Impaired?	TMDL?
013	39°50'13.28"	76°15'35.20"	UNT to Fishing Creek via overland flow	☐	☒	HQ-CWF-MF	☐	☐
014	39°50'13.37"	76°15'23.66"	UNT to Fishing Creek via overland flow	☐	☒	HQ-CWF-MF	☐	☐
015	39°50'13.04"	76°15'04.82"	UNT to Fishing Creek via WW-T02-01	☐	☐	HQ-CWF-MF	☐	☐
016	39°50'13.84"	76°15'03.24"	UNT to Fishing Creek via W-T02-012A-1	☐	☐	HQ-CWF-MF	☐	☐
017	39°50'18.69"	76°14'54.09"	UNT to Fishing Creek via WW-T02-009	☐	☐	HQ-CWF-MF	☐	☐
018	39°50'20.73"	76°14'50.29"	UNT to Fishing Creek via WB-T02-013	☐	☐	HQ-CWF-MF	☐	☐

2. List all stormwater discharge points after construction and stabilization are complete and provide the information requested below. ☐ Not Applicable

Discharge Point No.	LATITUDE	LONGITUDE	RECEIVING WATERS					
	Degrees	Degrees	Name of Receiving Waters	Ches. Bay?	Non-Surface Waters	Ch. 93 Class.	Impaired?	TMDL?
013	39°50'13.28"	76°15'35.20"	UNT to Fishing Creek via overland flow	☐	☒	HQ-CWF-MF	☐	☐
014	39°50'13.37"	76°15'23.66"	UNT to Fishing Creek via overland flow	☐	☒	HQ-CWF-MF	☐	☐
015	39°50'13.04"	76°15'04.82"	UNT to Fishing Creek via WW-T02-01	☐	☐	HQ-CWF-MF	☐	☐
016	39°50'13.84"	76°15'03.24"	UNT to Fishing Creek via W-T02-012A-1	☐	☐	HQ-CWF-MF	☐	☐
017	39°50'18.69"	76°14'54.09"	UNT to Fishing Creek via WW-T02-009	☐	☐	HQ-CWF-MF	☐	☐
018	39°50'20.73"	76°14'50.29"	UNT to Fishing Creek via WB-T02-013	☐	☐	HQ-CWF-MF	☐	☐

3. Will any of the points identified above discharge to a storm sewer system? ☐ Yes ☒ No Is the storm sewer an MS4 or CSS? ☐ Yes ☒ No

Name of storm sewer owner/operator:

Discharge points discharging to storm sewer:

4. Identify and describe all non-stormwater discharges that are expected to occur during permit coverage. Describe the frequency and volume of all such discharges.

De minimis impacts (e.g., dust control via water spray bar) - No non-stormwater discharges are anticipated but de minimis impacts may occur during construction operations.

☐ No non-stormwater discharges are anticipated.

5. Will there be any new or increased discharge to non-surface waters prior to reaching surface waters? ☐ Yes ☒ No

If Yes, the applicant is expected to 1) secure legal authority for the non-surface water discharge if the discharge will be to property not owned by the applicant, and 2) provide for adequate controls during and after earth disturbance activities to prevent accelerated erosion.

STORMWATER DISCHARGE INFORMATION

1. List all stormwater discharge points **during construction** and provide the information requested below (see instructions). ☐ Not Applicable

Discharge Point No.	LATITUDE	LONGITUDE	RECEIVING WATERS					
	Degrees	Degrees	Name of Receiving Waters	Ches. Bay?	Non-Surface Waters	Ch. 93 Class.	Impaired?	TMDL?
019	39°50'29.22"	76°14'34.00"	UNT to Fishing Creek via overland flow	☐	☒	HQ-CWF-MF	☐	☐
020	39°50'43.40"	76°14'31.36"	UNT to Fishing Creek overland flow	☐	☒	HQ-CWF-MF	☐	☐
021	39°50'31.48"	76°14'27.06"	UNT to Fishing Creek via overland flow	☐	☒	HQ-CWF-MF	☐	☐
022	39°50'22.54"	76°14'22.25"	UNT to Fishing Creek via overland flow	☐	☒	HQ-CWF-MF	☐	☐
023	39°50'43.01"	76°14'06.85"	UNT to Fishing Creek via overland flow	☐	☒	HQ-CWF-MF	☐	☐
024	39°50'46.26"	76°14'00.46"	UNT to Fishing Creek via overland flow	☐	☒	HQ-CWF-MF	☐	☐

2. List all stormwater discharge points **after construction and stabilization are complete** and provide the information requested below. ☐ Not Applicable

Discharge Point No.	LATITUDE	LONGITUDE	RECEIVING WATERS					
	Degrees	Degrees	Name of Receiving Waters	Ches. Bay?	Non-Surface Waters	Ch. 93 Class.	Impaired?	TMDL?
019	39°50'29.22"	76°14'34.00"	UNT to Fishing Creek via overland flow	☐	☒	HQ-CWF-MF	☐	☐
020	39°50'43.40"	76°14'31.36"	UNT to Fishing Creek overland flow	☐	☒	HQ-CWF-MF	☐	☐
021	39°50'31.48"	76°14'27.06"	UNT to Fishing Creek via overland flow	☐	☒	HQ-CWF-MF	☐	☐
022	39°50'22.54"	76°14'22.25"	UNT to Fishing Creek via overland flow	☐	☒	HQ-CWF-MF	☐	☐
023	39°50'43.01"	76°14'06.85"	UNT to Fishing Creek via overland flow	☐	☒	HQ-CWF-MF	☐	☐
024	39°50'46.26"	76°14'00.46"	UNT to Fishing Creek via overland flow	☐	☒	HQ-CWF-MF	☐	☐

3. Will any of the points identified above discharge to a storm sewer system? ☐ Yes ☒ No Is the storm sewer an MS4 or CSS? ☐ Yes ☒ No
Name of storm sewer owner/operator: _____ Discharge points discharging to storm sewer: _____

4. Identify and describe all non-stormwater discharges that are expected to occur during permit coverage. Describe the frequency and volume of all such discharges.
De minimis impacts (e.g., dust control via water spray bar) - No non-stormwater discharges are anticipated but de minimis impacts may occur during construction operations.

☐ No non-stormwater discharges are anticipated.

5. Will there be any new or increased discharge to non-surface waters prior to reaching surface waters? ☐ Yes ☒ No
If Yes, the applicant is expected to 1) secure legal authority for the non-surface water discharge if the discharge will be to property not owned by the applicant, and 2) provide for adequate controls during and after earth disturbance activities to prevent accelerated erosion.

STORMWATER DISCHARGE INFORMATION

1. List all stormwater discharge points during construction and provide the information requested below (see instructions). ☐ Not Applicable

Discharge Point No.	LATITUDE	LONGITUDE	RECEIVING WATERS					
	Degrees	Degrees	Name of Receiving Waters	Ches. Bay?	Non-Surface Waters	Ch. 93 Class.	Impaired?	TMDL?
025	39°50'48.99"	76°13'54.73"	UNT to Fishing Creek via overland flow	☐	☒	HQ-CWF-MF	☐	☐
026	39°50'53.01"	76°13'47.22"	UNT to Fishing Creek overland flow	☐	☒	HQ-CWF-MF	☐	☐
027	39°50'55.22"	76°13'42.57"	UNT to Fishing Creek via WW-T02-10	☐	☐	HQ-CWF-MF	☐	☐
028	39°51'03.90"	76°13'30.61"	UNT to Conowingo Creek via overland flow	☐	☒	HQ-CWF-MF	☐	☐
029	39°51'06.98"	76°13'15.12"	UNT to Conowingo Creek via overland flow	☐	☒	HQ-CWF-MF	☐	☐
030	39°51'15.23"	76°13'13.63"	UNT to Conowingo Creek via overland flow	☐	☒	HQ-CWF-MF	☐	☐

2. List all stormwater discharge points after construction and stabilization are complete and provide the information requested below. ☐ Not Applicable

Discharge Point No.	LATITUDE	LONGITUDE	RECEIVING WATERS					
	Degrees	Degrees	Name of Receiving Waters	Ches. Bay?	Non-Surface Waters	Ch. 93 Class.	Impaired?	TMDL?
025	39°50'48.99"	76°13'54.73"	UNT to Fishing Creek via overland flow	☐	☒	HQ-CWF-MF	☐	☐
026	39°50'53.01"	76°13'47.22"	UNT to Fishing Creek overland flow	☐	☒	HQ-CWF-MF	☐	☐
027	39°50'55.22"	76°13'42.57"	UNT to Fishing Creek via WW-T02-10	☐	☐	HQ-CWF-MF	☐	☐
028	39°51'03.90"	76°13'30.61"	UNT to Conowingo Creek via overland flow	☐	☒	HQ-CWF-MF	☐	☐
029	39°51'06.98"	76°13'15.12"	UNT to Conowingo Creek via overland flow	☐	☒	HQ-CWF-MF	☐	☐
030	39°51'15.23"	76°13'13.63"	UNT to Conowingo Creek via overland flow	☐	☒	HQ-CWF-MF	☐	☐

3. Will any of the points identified above discharge to a storm sewer system? ☐ Yes ☒ No Is the storm sewer an MS4 or CSS? ☐ Yes ☒ No

Name of storm sewer owner/operator:

Discharge points discharging to storm sewer:

4. Identify and describe all non-stormwater discharges that are expected to occur during permit coverage. Describe the frequency and volume of all such discharges.

De minimis impacts (e.g., dust control via water spray bar) - No non-stormwater discharges are anticipated but de minimis impacts may occur during construction operations.

☐ No non-stormwater discharges are anticipated.

5. Will there be any new or increased discharge to non-surface waters prior to reaching surface waters? ☐ Yes ☒ No

If Yes, the applicant is expected to 1) secure legal authority for the non-surface water discharge if the discharge will be to property not owned by the applicant, and 2) provide for adequate controls during and after earth disturbance activities to prevent accelerated erosion.

STORMWATER DISCHARGE INFORMATION

1. List all stormwater discharge points during construction and provide the information requested below (see instructions). ☐ Not Applicable

Discharge Point No.	LATITUDE	LONGITUDE	RECEIVING WATERS					
	Degrees	Degrees	Name of Receiving Waters	Ches. Bay?	Non-Surface Waters	Ch. 93 Class.	Impaired?	TMDL?
031	39°51'08.69"	76°13'10.04"	UNT to Conowingo Creek via overland flow	☐	☒	HQ-CWF-MF	☐	☐
032	39°51'13.09"	76°13'04.10"	UNT to Conowingo Creek via W-T02-001A	☐	☐	HQ-CWF-MF	☐	☐
033	39°51'15.11"	76°13'00.55"	UNT to Conowingo Creek via W-T02-001C	☐	☐	HQ-CWF-MF	☐	☐
034	39°51'22.31"	76°12'42.93"	UNT to Conowingo Creek via overland flow	☐	☒	HQ-CWF-MF	☐	☐
035	39°51'21.06"	76°12'40.80"	UNT to Conowingo Creek via W-T02-014A-1	☐	☐	HQ-CWF-MF	☐	☐
036	39°51'25.89"	76°12'37.10"	UNT to Conowingo Creek via W-T02-014B-1	☐	☐	HQ-CWF-MF	☐	☐

2. List all stormwater discharge points after construction and stabilization are complete and provide the information requested below. ☐ Not Applicable

Discharge Point No.	LATITUDE	LONGITUDE	RECEIVING WATERS					
	Degrees	Degrees	Name of Receiving Waters	Ches. Bay?	Non-Surface Waters	Ch. 93 Class.	Impaired?	TMDL?
031	39°51'08.69"	76°13'10.04"	UNT to Conowingo Creek via overland flow	☐	☒	HQ-CWF-MF	☐	☐
032	39°51'13.09"	76°13'04.10"	UNT to Conowingo Creek via W-T02-001A	☐	☐	HQ-CWF-MF	☐	☐
033	39°51'15.11"	76°13'00.55"	UNT to Conowingo Creek via W-T02-001C	☐	☐	HQ-CWF-MF	☐	☐
034	39°51'22.31"	76°12'42.93"	UNT to Conowingo Creek via overland flow	☐	☒	HQ-CWF-MF	☐	☐
035	39°51'21.06"	76°12'40.80"	UNT to Conowingo Creek via W-T02-014A-1	☐	☐	HQ-CWF-MF	☐	☐
036	39°51'25.89"	76°12'37.10"	UNT to Conowingo Creek via W-T02-014B-1	☐	☐	HQ-CWF-MF	☐	☐

3. Will any of the points identified above discharge to a storm sewer system? ☐ Yes ☒ No Is the storm sewer an MS4 or CSS? ☐ Yes ☒ No

Name of storm sewer owner/operator:

Discharge points discharging to storm sewer:

4. Identify and describe all non-stormwater discharges that are expected to occur during permit coverage. Describe the frequency and volume of all such discharges.

De minimis impacts (e.g., dust control via water spray bar) - No non-stormwater discharges are anticipated but de minimis impacts may occur during construction operations.

☐ No non-stormwater discharges are anticipated.

5. Will there be any new or increased discharge to non-surface waters prior to reaching surface waters? ☐ Yes ☒ No

If Yes, the applicant is expected to 1) secure legal authority for the non-surface water discharge if the discharge will be to property not owned by the applicant, and 2) provide for adequate controls during and after earth disturbance activities to prevent accelerated erosion.

STORMWATER DISCHARGE INFORMATION

1. List all stormwater discharge points during construction and provide the information requested below (see instructions). ☐ Not Applicable

Discharge Point No.	LATITUDE	LONGITUDE	RECEIVING WATERS					
	Degrees	Degrees	Name of Receiving Waters	Ches. Bay?	Non-Surface Waters	Ch. 93 Class.	Impaired?	TMDL?
037	39°51'31.87"	76°12'29.82"	UNT to Conowingo Creek via overland flow	☐	☒	HQ-CWF-MF	☐	☐
038	39°51'36.88"	76°12'14.92"	UNT to Conowingo Creek via WW-T02-005	☐	☐	HQ-CWF-MF	☐	☐
039	39°51'37.97"	76°12'11.45"	UNT to Conowingo Creek via overland flow	☐	☒	HQ-CWF-MF	☐	☐
040	39°51'39.40"	76°12'06.96"	UNT to Conowingo Creek via WW-T02-006	☐	☐	HQ-CWF-MF	☐	☐
041	39°51'37.60"	76°12'02.08"	UNT to Conowingo Creek via overland flow	☐	☒	HQ-CWF-MF	☐	☐
042	39°51'43.79"	76°11'54.95"	UNT to Conowingo Creek via overland flow	☐	☒	HQ-CWF-MF	☐	☐

2. List all stormwater discharge points after construction and stabilization are complete and provide the information requested below. ☐ Not Applicable

Discharge Point No.	LATITUDE	LONGITUDE	RECEIVING WATERS					
	Degrees	Degrees	Name of Receiving Waters	Ches. Bay?	Non-Surface Waters	Ch. 93 Class.	Impaired?	TMDL?
037	39°51'31.87"	76°12'29.82"	UNT to Conowingo Creek via overland flow	☐	☒	HQ-CWF-MF	☐	☐
038	39°51'36.88"	76°12'14.92"	UNT to Conowingo Creek via WW-T02-005	☐	☐	HQ-CWF-MF	☐	☐
039	39°51'37.97"	76°12'11.45"	UNT to Conowingo Creek via overland flow	☐	☒	HQ-CWF-MF	☐	☐
040	39°51'39.40"	76°12'06.96"	UNT to Conowingo Creek via WW-T02-006	☐	☐	HQ-CWF-MF	☐	☐
041	39°51'37.60"	76°12'02.08"	UNT to Conowingo Creek via overland flow	☐	☒	HQ-CWF-MF	☐	☐
042	39°51'43.79"	76°11'54.95"	UNT to Conowingo Creek via overland flow	☐	☒	HQ-CWF-MF	☐	☐

3. Will any of the points identified above discharge to a storm sewer system? ☐ Yes ☒ No Is the storm sewer an MS4 or CSS? ☐ Yes ☒ No

Name of storm sewer owner/operator:

Discharge points discharging to storm sewer:

4. Identify and describe all non-stormwater discharges that are expected to occur during permit coverage. Describe the frequency and volume of all such discharges.

De minimis impacts (e.g., dust control via water spray bar) - No non-stormwater discharges are anticipated but de minimis impacts may occur during construction operations.

☐ No non-stormwater discharges are anticipated.

5. Will there be any new or increased discharge to non-surface waters prior to reaching surface waters? ☐ Yes ☒ No

If Yes, the applicant is expected to 1) secure legal authority for the non-surface water discharge if the discharge will be to property not owned by the applicant, and 2) provide for adequate controls during and after earth disturbance activities to prevent accelerated erosion.

STORMWATER DISCHARGE INFORMATION

1. List all stormwater discharge points during construction and provide the information requested below (see instructions). ☐ Not Applicable

Discharge Point No.	LATITUDE	LONGITUDE	RECEIVING WATERS					
	Degrees	Degrees	Name of Receiving Waters	Ches. Bay?	Non-Surface Waters	Ch. 93 Class.	Impaired?	TMDL?
043	39°51'53.36"	76°11'44.83"	UNT to Conowingo Creek via overland flow	☐	☒	HQ-CWF-MF	☐	☐
044	39°51'57.57"	76°11'34.42"	UNT to Conowingo Creek via overland flow	☐	☒	HQ-CWF-MF	☐	☐
045	39°52'00.30"	76°11'27.73"	UNT to Conowingo Creek via WW-T02-007	☐	☐	HQ-CWF-MF	☐	☐
046	39°52'19.97"	76°10'46.87"	UNT to Stewart Run via W-T02-009A-2	☐	☐	HQ-CWF-MF	☐	☐
047	39°52'26.93"	76°10'33.40"	UNT to Stewart Run via overland flow	☐	☒	HQ-CWF-MF	☐	☐
048	39°52'31.06"	76°10'25.28"	UNT to Stewart Run via WW-T02-011	☐	☐	HQ-CWF-MF	☐	☐

2. List all stormwater discharge points after construction and stabilization are complete and provide the information requested below. ☐ Not Applicable

Discharge Point No.	LATITUDE	LONGITUDE	RECEIVING WATERS					
	Degrees	Degrees	Name of Receiving Waters	Ches. Bay?	Non-Surface Waters	Ch. 93 Class.	Impaired?	TMDL?
043	39°51'53.36"	76°11'44.83"	UNT to Conowingo Creek via overland flow	☐	☒	HQ-CWF-MF	☐	☐
044	39°51'57.57"	76°11'34.42"	UNT to Conowingo Creek via overland flow	☐	☒	HQ-CWF-MF	☐	☐
045	39°52'00.30"	76°11'27.73"	UNT to Conowingo Creek via WW-T02-007	☐	☐	HQ-CWF-MF	☐	☐
046	39°52'19.97"	76°10'46.87"	UNT to Stewart Run via W-T02-009A-2	☐	☐	HQ-CWF-MF	☐	☐
047	39°52'26.93"	76°10'33.40"	UNT to Stewart Run via overland flow	☐	☒	HQ-CWF-MF	☐	☐
048	39°52'31.06"	76°10'25.28"	UNT to Stewart Run via WW-T02-011	☐	☐	HQ-CWF-MF	☐	☐

3. Will any of the points identified above discharge to a storm sewer system? ☐ Yes ☒ No Is the storm sewer an MS4 or CSS? ☐ Yes ☒ No

Name of storm sewer owner/operator:

Discharge points discharging to storm sewer:

4. Identify and describe all non-stormwater discharges that are expected to occur during permit coverage. Describe the frequency and volume of all such discharges.

De minimis impacts (e.g., dust control via water spray bar) - No non-stormwater discharges are anticipated but de minimis impacts may occur during construction operations.

☐ No non-stormwater discharges are anticipated.

5. Will there be any new or increased discharge to non-surface waters prior to reaching surface waters? ☐ Yes ☒ No

If Yes, the applicant is expected to 1) secure legal authority for the non-surface water discharge if the discharge will be to property not owned by the applicant, and 2) provide for adequate controls during and after earth disturbance activities to prevent accelerated erosion.

STORMWATER DISCHARGE INFORMATION

1. List all stormwater discharge points during construction and provide the information requested below (see instructions). ☐ Not Applicable

Discharge Point No.	LATITUDE	LONGITUDE	RECEIVING WATERS					
	Degrees	Degrees	Name of Receiving Waters	Ches. Bay?	Non-Surface Waters	Ch. 93 Class.	Impaired?	TMDL?
049	39°52'38.33"	76°10'11.39"	UNT to Stewart Run via WW-T02-011	☐	☐	HQ-CWF-MF	☐	☐
050	39°52'43.50"	76°10'01.51"	UNT to Stewart Run via overland flow	☐	☒	HQ-CWF-MF	☐	☐
051	39°52'47.25"	76°09'54.30"	UNT to Stewart Run via overland flow	☐	☒	HQ-CWF-MF	☐	☐
052	39°52'55.65"	76°09'34.72"	UNT to Stewart Run via WW-T06-001	☐	☐	HQ-CWF-MF	☐	☐
053	39°53'04.61"	76°09'16.81"	UNT to Stewart Run via overland flow	☐	☒	HQ-CWF-MF	☐	☐
054	39°53'07.54"	76°09'11.17"	UNT to Stewart Run via overland flow	☐	☒	HQ-CWF-MF	☐	☐

2. List all stormwater discharge points after construction and stabilization are complete and provide the information requested below. ☐ Not Applicable

Discharge Point No.	LATITUDE	LONGITUDE	RECEIVING WATERS					
	Degrees	Degrees	Name of Receiving Waters	Ches. Bay?	Non-Surface Waters	Ch. 93 Class.	Impaired?	TMDL?
049	39°52'38.33"	76°10'11.39"	UNT to Stewart Run via WW-T02-011	☐	☐	HQ-CWF-MF	☐	☐
050	39°52'43.50"	76°10'01.51"	UNT to Stewart Run via overland flow	☐	☒	HQ-CWF-MF	☐	☐
051	39°52'47.25"	76°09'54.30"	UNT to Stewart Run via overland flow	☐	☒	HQ-CWF-MF	☐	☐
052	39°52'55.65"	76°09'34.72"	UNT to Stewart Run via WW-T06-001	☐	☐	HQ-CWF-MF	☐	☐
053	39°53'04.61"	76°09'16.81"	UNT to Stewart Run via overland flow	☐	☒	HQ-CWF-MF	☐	☐
054	39°53'07.54"	76°09'11.17"	UNT to Stewart Run via overland flow	☐	☒	HQ-CWF-MF	☐	☐

3. Will any of the points identified above discharge to a storm sewer system? ☐ Yes ☒ No Is the storm sewer an MS4 or CSS? ☐ Yes ☒ No

Name of storm sewer owner/operator:

Discharge points discharging to storm sewer:

4. Identify and describe all non-stormwater discharges that are expected to occur during permit coverage. Describe the frequency and volume of all such discharges.

De minimis impacts (e.g., dust control via water spray bar) - No non-stormwater discharges are anticipated but de minimis impacts may occur during construction operations.

☐ No non-stormwater discharges are anticipated.

5. Will there be any new or increased discharge to non-surface waters prior to reaching surface waters? ☐ Yes ☒ No

If Yes, the applicant is expected to 1) secure legal authority for the non-surface water discharge if the discharge will be to property not owned by the applicant, and 2) provide for adequate controls during and after earth disturbance activities to prevent accelerated erosion.

STORMWATER DISCHARGE INFORMATION

1. List all stormwater discharge points during construction and provide the information requested below (see instructions). ☐ Not Applicable

Discharge Point No.	LATITUDE	LONGITUDE	RECEIVING WATERS					
	Degrees	Degrees	Name of Receiving Waters	Ches. Bay?	Non-Surface Waters	Ch. 93 Class.	Impaired?	TMDL?
055	39°53'10.12"	76°09'06.17"	UNT to Stewart Run via overland flow	☐	☒	HQ-CWF-MF	☐	☐
056	39°53'20.05"	76°08'50.89"	UNT to South Fork Big Beaver Creek via overland flow	☐	☒	HQ-CWF-MF	☐	☐
057	39°53'30.29"	76°08'33.48"	UNT to Bowery Run via WW-T02-012	☐	☐	HQ-CWF-MF	☐	☐
058	39°53'31.22"	76°08'32.16"	UNT to Bowery Run via W-T02-011A-1	☐	☐	HQ-CWF-MF	☐	☐
059	39°53'43.15"	76°08'14.96"	UNT to Bowery Run via overland flow	☐	☒	HQ-CWF-MF	☐	☐
060	39°53'44.26"	76°08'11.36"	UNT to Bowery Run via W-T06-004A-1	☐	☐	HQ-CWF-MF	☐	☐

2. List all stormwater discharge points after construction and stabilization are complete and provide the information requested below. ☐ Not Applicable

Discharge Point No.	LATITUDE	LONGITUDE	RECEIVING WATERS					
	Degrees	Degrees	Name of Receiving Waters	Ches. Bay?	Non-Surface Waters	Ch. 93 Class.	Impaired?	TMDL?
055	39°53'10.12"	76°09'06.17"	UNT to Stewart Run via overland flow	☐	☒	HQ-CWF-MF	☐	☐
056	39°53'20.05"	76°08'50.89"	UNT to South Fork Big Beaver Creek via overland flow	☐	☒	HQ-CWF-MF	☐	☐
057	39°53'30.29"	76°08'33.48"	UNT to Bowery Run via WW-T02-012	☐	☐	HQ-CWF-MF	☐	☐
058	39°53'31.22"	76°08'32.16"	UNT to Bowery Run via W-T02-011A-1	☐	☐	HQ-CWF-MF	☐	☐
059	39°53'43.15"	76°08'14.96"	UNT to Bowery Run via overland flow	☐	☒	HQ-CWF-MF	☐	☐
060	39°53'44.26"	76°08'11.36"	UNT to Bowery Run via W-T06-004A-1	☐	☐	HQ-CWF-MF	☐	☐

3. Will any of the points identified above discharge to a storm sewer system? ☐ Yes ☒ No Is the storm sewer an MS4 or CSS? ☐ Yes ☒ No

Name of storm sewer owner/operator:

Discharge points discharging to storm sewer:

4. Identify and describe all non-stormwater discharges that are expected to occur during permit coverage. Describe the frequency and volume of all such discharges.

De minimis impacts (e.g., dust control via water spray bar) - No non-stormwater discharges are anticipated but de minimis impacts may occur during construction operations.

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5. Will there be any new or increased discharge to non-surface waters prior to reaching surface waters? ☐ Yes ☒ No

If Yes, the applicant is expected to 1) secure legal authority for the non-surface water discharge if the discharge will be to property not owned by the applicant, and 2) provide for adequate controls during and after earth disturbance activities to prevent accelerated erosion.

STORMWATER DISCHARGE INFORMATION

1. List all stormwater discharge points during construction and provide the information requested below (see instructions). ☐ Not Applicable

Discharge Point No.	LATITUDE	LONGITUDE	RECEIVING WATERS					
	Degrees	Degrees	Name of Receiving Waters	Ches. Bay?	Non-Surface Waters	Ch. 93 Class.	Impaired?	TMDL?
061	39°53'49.46"	76°08'03.96"	UNT to Bowery Run via overland flow	☐	☒	HQ-CWF-MF	☐	☐
062	39°53'53.60"	76°07'59.12"	UNT to Bowery Run via overland flow	☐	☒	HQ-CWF-MF	☐	☐
063	39°53'52.80"	76°07'49.68"	UNT to Bowery Run via overland flow	☐	☒	HQ-CWF-MF	☐	☐
000				☐	☐		☐	☐
000				☐	☐		☐	☐
000				☐	☐		☐	☐

2. List all stormwater discharge points after construction and stabilization are complete and provide the information requested below. ☐ Not Applicable

Discharge Point No.	LATITUDE	LONGITUDE	RECEIVING WATERS					
	Degrees	Degrees	Name of Receiving Waters	Ches. Bay?	Non-Surface Waters	Ch. 93 Class.	Impaired?	TMDL?
061	39°53'49.46"	76°08'03.96"	UNT to Bowery Run via overland flow	☐	☒	HQ-CWF-MF	☐	☐
062	39°53'53.60"	76°07'59.12"	UNT to Bowery Run via overland flow	☐	☒	HQ-CWF-MF	☐	☐
063	39°53'52.80"	76°07'49.68"	UNT to Bowery Run via overland flow	☐	☒	HQ-CWF-MF	☐	☐
000				☐	☐		☐	☐
000				☐	☐		☐	☐
000				☐	☐		☐	☐

3. Will any of the points identified above discharge to a storm sewer system? ☐ Yes ☒ No Is the storm sewer an MS4 or CSS? ☐ Yes ☒ No

Name of storm sewer owner/operator:

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STORMWATER DISCHARGE INFORMATION

1. List all stormwater discharge points during construction and provide the information requested below (see instructions). ☐ Not Applicable

Discharge Point No.	LATITUDE	LONGITUDE	RECEIVING WATERS					
	Degrees	Degrees	Name of Receiving Waters	Ches. Bay?	Non-Surface Waters	Ch. 93 Class.	Impaired?	TMDL?
CS-200 DP-001	40.049049	-75.584342	Valley Creek	☐	☐	EV, MF	☐	☐
				☐	☐		☐	☐
				☐	☐		☐	☐
				☐	☐		☐	☐
				☐	☐		☐	☐
				☐	☐		☐	☐

2. List all stormwater discharge points after construction and stabilization are complete and provide the information requested below. ☐ Not Applicable

Discharge Point No.	LATITUDE	LONGITUDE	RECEIVING WATERS					
	Degrees	Degrees	Name of Receiving Waters	Ches. Bay?	Non-Surface Waters	Ch. 93 Class.	Impaired?	TMDL?
CS-200 DP-001	40.049049	-75.584342	Valley Creek	☐	☐	EV, MF	☐	☐
				☐	☐		☐	☐
				☐	☐		☐	☐
				☐	☐		☐	☐
				☐	☐		☐	☐
				☐	☐		☐	☐

3. Will any of the points identified above discharge to a storm sewer system? ☐ Yes ☒ No Is the storm sewer an MS4 or CSS? ☐ Yes ☒ No

Name of storm sewer owner/operator:

Discharge points discharging to storm sewer:

4. Identify and describe all non-stormwater discharges that are expected to occur during permit coverage. Describe the frequency and volume of all such discharges.

De minimis impacts (e.g., dust control via water spray bar) - No non-stormwater discharges are anticipated but de minimis impacts may occur during construction operations.

☒ No non-stormwater discharges are anticipated.

5. Will there be any new or increased discharge to non-surface waters prior to reaching surface waters? ☐ Yes ☒ No

If Yes, the applicant is expected to 1) secure legal authority for the non-surface water discharge if the discharge will be to property not owned by the applicant, and 2) provide for adequate controls during and after earth disturbance activities to prevent accelerated erosion.

DISCHARGES TO IMPAIRED WATERS

1. Are stormwater discharges anticipated to impaired waters during or following construction activities? ☒ Yes ☐ No
2. If Yes to #1, is Antidegradation Module 3 attached to the application? ☒ Yes ☐ No
3. Is there an EPA-approved TMDL for the impaired waters? ☐ Yes ☒ No
4. If Yes to #3, is there a WLA(s) in the TMDL that would apply to the applicant's discharges? ☐ Yes ☒ No
5. If Yes to #4, explain in the space provided or in a separate attachment how the discharges will comply with the WLA(s).

CERTIFICATION FOR APPLICANTS

I certify under penalty of law and subject to the penalties of 18 Pa.C.S. § 4904 (relating to unsworn falsification to authorities) that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I certify that I will abide by the terms and conditions of the permit until the Notice of Termination (NOT) is submitted. I will not commence in construction resulting in earth disturbance until all criteria specified in the permit are met for commencing construction. I will ensure that a licensed professional or a designee is present on-site and be responsible during critical stages of implementation of the PCSM Plan, as applicable. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Joseph E. Dean

Applicant Name (type or print legibly)



Applicant Signature Date Signed

Manager, Permitting

Official Title

7/07/2025

CERTIFICATION FOR OPERATORS

I understand that I am assuming joint and severable responsibility, coverage, and liability under the permit for all duties, responsibilities, and non-compliance with the Chapter 102 permit, as a co-permittee of this permit coverage. I certify that I will implement the requirements of the permit and the approved design plans and will notify the permittee and the agency that issued permit coverage prior to implementing changes to the plans.

Operator Name (type or print legibly)

Official Title

Operator Signature

Date Signed

Operator Name (type or print legibly)

Official Title

Operator Signature

Date Signed

Quarryville Loop Project Description:

Transcontinental Gas Pipe Line Company, LLC (Transco) proposes to construct 10.14 miles of 42-inch diameter natural gas pipeline from MP 1681.02 (near Compressor Station 195) to MP 1691.16 co-located with the Transco Mainline in Drumore, East Drumore, Eden, and Bart Townships within Lancaster County, Pennsylvania. Specific to Bart Township, the only work occurring in this municipality is an area of workspace associated with a water hydrant to be utilized for hydrostatic test water and the workspace is to accommodate water trucks at this location. The project generally involves preparation of the pipeline right-of-way, excavation of the pipeline trench, installation of the pipeline, backfilling of the trench, hydrostatic testing and stabilization and vegetation of the disturbed right-of-way and support areas. The project description is also listed on the Cover Sheets of the E&S plan (Sheet 1 of 41) of the E&S Plan Drawings and SR plan (Sheet 1 of 36) of the Site Restoration Plan Drawings.

CS200 Project Description:

Transcontinental Gas Pipe Line Company, LLC (Transco) is proposing to modify its Compressor Station (CS 200) in East Whiteland Township, Chester County, Pennsylvania. The project will involve the construction of new compression facilities, valves & pipelines, small buildings, asphalt access road and parking areas, and gravel equipment pads. The project description is also listed on the Cover Sheets of the E&S plan (Sheet 1 of 17) in file 13_E&SC Plan Drawings - NESE - CS200 and PCSM plan (Sheet 1 of 12) in file 16_PCSM Plan Drawings - NESE - CS200.

Project Name: Northeast Supply Enhancement Project - Compressor Station 200 and Quarryville Loop

Location: Chester County and Lancaster County, PA

Earth Disturbance Information Section - Page 2 Additional Information

1. Total Earth Disurbance Area: 227.98 ac 9930809 sf

Lancaster County Earth Disturbance Area: 217 ac 9452520 sf

Chester County Earth Disturbance Area: 10.98 ac 478289 sf

Section 2

ACT 14 Notification Responses

Brewster, Heather

From: EdenTownship Office <Office@edentownship.org>
Sent: Monday, July 28, 2025 11:26 AM
To: Brewster, Heather
Cc: Mark Deimler; Autumn Eller; Ed Fisher (edfisher@light-heigel.com)
Subject: RE: Quarryville Loop / Transcontinental Gas Pipe Line Company LLC
Attachments: Williams Ch 102 E&S Permit Municipal Notification Form.pdf; Williams Ch 102 Hydrostatic Permit Municipal Notification Form.pdf

This Message Is From an Untrusted Sender

[Report Suspicious](#)

You have not previously corresponded with this sender.

Heather,

Please see attached.

Regards,
Szilvia Troutman
Secretary/Treasurer
Eden Township
717-786-7915

***** Please make note of our new email address*****
office@edentownship.org

From: Brewster, Heather <Heather.Brewster@aecom.com>
Sent: Friday, July 25, 2025 9:05 AM
To: Autumn Eller <AutumnE@light-heigel.com>; 'Eden Township (edentwp@comcast.net)' <edentwp@comcast.net>
Cc: Mark Deimler <mark@solancoengineering.com>; EdenTownship Office <Office@edentownship.org>
Subject: RE: Quarryville Loop / Transcontinental Gas Pipe Line Company LLC

Thank you for your review and response letter. Attached please find the updated Land Use letters for both the E&S IP and Hydrostatic Test IP permit applications, where we previously provided these two forms. I have also attached additional mapping that provide the topo map for outfall 003, the outfall 003 plan drawing, and dewatering details in response to your Comment #2. Let me know if the attached addresses what you need. Thank you in advance for your time.

Thank you ~Heather Brewster EdenTownship Office
610-234-0381 (direct line) / 215-869-4137 (mobile)

From: Autumn Eller <AutumnE@light-heigel.com>
Sent: Wednesday, July 23, 2025 11:32 AM
To: 'Eden Township (edentwp@comcast.net)' <edentwp@comcast.net>
Cc: Mark Deimler <mark@solancoengineering.com>; Brewster, Heather <Heather.Brewster@aecom.com>
Subject: Quarryville Loop / Transcontinental Gas Pipe Line Company LLC

Please see the attached letter.

Thank you.

Autumn Eller

Light-Heigel & Associates, Inc.

930 Red Rose Court

Hempfield Center, Suite 103

Lancaster, PA 17601



MUNICIPAL NOTIFICATION OF PLANNED LAND DEVELOPMENT FOR CHAPTER 102 PERMITS

PROJECT INFORMATION

Applicant Name: Transcontinental Gas Pipe Line
Company, LLC. (Transco)

Contact Name: Joseph E. Dean

Applicant Address: 2800 Post Oak Boulevard, Suite
600 - Office 1135

Contact Phone: 717-215-4232

Applicant City, State, ZIP: Houston, TX 77056-6016

County: Lancaster

Description of Proposed Land Development and Stormwater Controls:

Municipality: Eden

The Quarryville Loop will consist of approximately 10.17 miles of 42-inch natural gas pipeline designed for a maximum allowable operating pressure of 1,440 pounds per square inch gauge (psig). The Quarryville Loop will run from MP 1681.00 of Transco's Mainline to MP 1691.17 in Drumore, East Drumore, and Eden Townships. The Quarryville Loop will be co-located within the existing Mainline right-of-way (ROW) with the exception of areas where it is necessary to widen the existing ROW to accommodate a 25-foot offset between pipelines.

Project Area: 217 acres ☐ Phased

Disturbance: 217 acres

Surface Waters Receiving Stormwater Discharges:

E & S BMPs

- Erosion and sediment control BMP measures will be installed prior to commencement of earthwork and will not be removed until after the up-gradient areas are stabilized.
- Rock construction entrances will be installed along points of access to the pipeline alignment to mitigate the potential for construction vehicles to transport sediment onto public roadways.
- Compost Filter socks will be installed along the down-gradient perimeter of the work areas.
- At areas of concentrated flow in natural drainage ways, diversion berms will be installed to intercept and convey upslope stormwater runoff through the work corridor without contacting disturbed surfaces.
- Diversion terraces will be installed to mitigate the potential for stormwater to erode soils on steep slopes by diverting water away from the pipeline alignment. Diversion Terraces will discharge to a well vegetated area, or an outlet structure to limit the potential for sediment-laden water to flow downgradient from the terrace.
- Trench plugs will be installed intermittently within the pipeline trench to control and allow for managing the flow of sediment-laden stormwater within the trench. Stormwater pooling within the excavation behind a trench plug will be removed and discharged through a pumped water filter bag over stable, undisturbed earth.
- Removal of the erosion and sediment control BMP measures will occur only after the disturbed areas have been stabilized by uniform perennial vegetative coverage (density) of seventy percent (70%) or greater, or by other permanent non-vegetative cover with a density sufficient to resist accelerated surface erosion and subsurface characteristics sufficient to resist sliding and other movements.

• Diligent maintenance of the erosion and sediment control BMP measures will be conducted throughout the duration of the project.

Tax Parcel ID(s) Affected by Proposed Land Development:

Wissler Run, Conowingo Creek, and Bowery Run

Multiple- Linear Project

Discharge to: ☐ MS4 ☐ Other SS ☐ CSS

The following information was submitted to the municipality for this project:

☐ Land Development / Subdivision Plan ☐ E&S Plan ☐ PCSM Plan ☒ Other: **USGS Location Map**

MUNICIPAL PLAN / ORDINANCE INFORMATION

1. Is there an adopted municipal or multi-municipal comprehensive plan? ☒ Yes ☐ No

2. Is there an enacted municipal or multi-municipal zoning ordinance? ☒ Yes ☐ No

3. If Yes to #2, is the proposed project consistent with the ordinance? ☒ Yes ☐ No

4. Is there a municipal stormwater management ordinance? ☒ Yes ☐ No

5. If Yes to #4, is the proposed project consistent with the ordinance, without waiver? ☒ Yes ☐ No

6. If Yes to #4, indicate type of ordinance: ☒ Act 167 Model Ordinance ☐ DEP Model Ordinance (MS4s) ☐ Other

APPLICANT CERTIFICATION

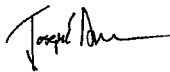
I certify under penalty of law (see 18 Pa.C.S. § 4904 (relating to unsworn falsification)) that the information reported herein was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the information, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

MUNICIPAL ACKNOWLEDGEMENT

The municipality acknowledges that a permit application for the above-referenced project has been submitted to a reviewing agency and that notification requirements of Act 14 of 1984 and Acts 67, 68, and 127 of 2000 have been satisfied. The information reported herein by the applicant regarding municipal plan and ordinance information is true and accurate. The municipality reserves the right to comment to the reviewing agency relative to comprehensive plans, zoning, and stormwater ordinance consistency. Municipal acknowledgment of receipt of notification shall not be construed as project approval.

Joseph E. Dean

Applicant Name



Applicant Signature

Manager, Permitting

Applicant Title

23 July 2025

Date of Signature

Sylvia Troutman

Municipal Representative Name



Municipal Representative Signature

Secretary/Treasurer

Municipal Representative Title

7/28/2025

Date of Signature

Section 3

PAFBC Correspondence



Transcontinental Gas Pipe Line Company, LLC
2800 Post Oak Boulevard
Suite 600, Office 1135
Houston, Texas 77056

August 12, 2025

Mr. Greg Lech
Pennsylvania Fish and Boat Commission
Division of Environmental Services
595 East Rolling Ridge Drive
Bellefonte, PA 16823

RE: Species Impact Review (SIR) 61581
Rare, Candidate, Threatened and Endangered Species
PNDI Search No. 840101
Transco Northeast Supply Enhancement Expansion Project Quarryville Loop
Drumore Township, East Drumore Township, Eden Township: LANCASTER County

Dear Mr. Lech:

Transcontinental Gas Pipe Line Company, LLC (Transco), as a subsidiary of Williams Partners Operating LLC, is recommencing development of the Northeast Supply Enhancement Project (Project), an incremental expansion of Transco's existing natural gas transmission system. The purpose of the Project remains as before—to provide 400,000 dekatherms per day of incremental firm transportation capacity from Transco's Station 195 in York County, Pennsylvania, to the existing Rockaway Delivery Point (located approximately 3 miles offshore of the Rockaway Peninsula in Queens Borough, New York) to serve The Brooklyn Union Gas Company, d/b/a National Grid NY, and KeySpan Gas East Corporation, d/b/a National Grid (collectively, National Grid).

On May 29, 2025, Transco filed a "Petition for Expedited Reissuance of Certificate Authority" with the Federal Energy Regulatory Commission (FERC), the lead federal agency for the Project under the National Environmental Policy Act, requesting reissuance of the certificate of public convenience and necessity, authorizing Transco to construct and operate the Project (FERC Docket No. CP17-101-007).

On June 13, 2025, Transco submitted a Chapter 105/Section 404 Joint Permit Application for Water Obstruction and Encroachment to the Pennsylvania Department of Environmental Protection (PADEP) (DEP Application No. E3683225-006) for the Transco

Northeast Supply Enhancement Expansion Project Quarryville Loop (Project). Transco also submitted a Chapter 102 Erosion and Sediment Control Permit Application (DEP Application No. ESP830025001-00) for the Project to PADEP on June 13, 2025. As the non-federal Project representative under the FERC process, Transco is submitting this letter to continue consultation with the Pennsylvania Fish and Boat Commission (PFBC) regarding the Project as part of the Chapter 105 and Chapter 102 process (PNDI-840101).

This letter provides an update on Project activities and coordination status as requested in the June 16, 2025 letter from PFBC requesting additional evaluations regarding potential habitat for the **Broad-headed Skink (*Plestiodon laticeps*, Candidate)** (**Enclosure 1**).

Transco worked with Mr. Brandon Ruhe of Skelly and Loy, Inc to complete a habitat assessment between July 28 - 30, 2025 to characterize and determine if potential habitat exists within the vicinity of the proposed project area, limited to areas proposed for impact between the Western Terminus to State Route 272.

No potential habitat for the Broad-headed Skink was identified, as described in the habitat assessment report (**Enclosure 2**).

Based on the results of the habitat assessment, Transco concludes that the Project is not likely to adversely affect the Candidate species. **Transco requests PFBC concurrence that the proposed Project activities associated with the Quarryville Loop in Pennsylvania are not likely to adversely affect the Broad-headed Skink (*Plestiodon laticeps*).**

The Project would address the need for reliability, flexibility, and efficiency on a critical part of Transco's system and provide access to crucial supplies of natural gas, but time is of the essence, as outlined in Executive Order 14156 regarding the current energy emergency. Therefore, ***Transco asks that the PFBC conduct an expedited review in order to support the other federal and state agencies' abilities to issue their permits and approvals by August 29, 2025.***

If you require any additional information, please do not hesitate to contact me at 281-433-8046 or via email at joseph.dean@williams.com. Alternatively, you can contact Steven MacLeod, Project Manager at WSP at 716-462-0845 or via email at Steven.MacLeod@wsp.com.

Sincerely,

Joseph Dean
Manager, Permitting

Enclosures: 1. June 16, 2025 SIR #61581 Letter
 2. 2025 Broad-headed Skink Habitat Assessment Survey Report

CC (via email):

Joanne Wachholder, FERC
Amber Plummer, FERC
Airi Lackey, USACE
Tim Powell, Transco
Dan Merz, Esq., Transco
Stephen Kellogg, Transco
Steven MacLeod, WSP
Justin Zoladz, WSP
Clara Trueblood, WSP

ENCLOSURE 1



June 16, 2025

IN REPLY REFER TO

SIR# 61581

WSP

Clara Trueblood

11 Stanwix Street

Pittsburgh, Pennsylvania 15220

**RE: Species Impact Review (SIR) – Rare, Candidate, Threatened and Endangered Species
PNDI Search No. 840101_1
Transco Northeast Supply Enhancement Expansion Project Quarryville Loop
Drumore Township, East Drumore Township, Eden Township: LANCASTER County**

Dear Clara Trueblood:

This responds to your updated inquiry about a Pennsylvania Natural Diversity Inventory (PNDI) Internet Database search “potential conflict” or a threatened and endangered species impact review. These projects are screened for potential conflicts with rare, candidate, threatened or endangered species under Pennsylvania Fish and Boat Commission jurisdiction (fish, reptiles, amphibians, aquatic invertebrates only) using the PNDI database and our own files. These species of special concern are listed under the Endangered Species Act of 1973, the Wild Resource Conservation Act, and the Pennsylvania Fish and Boat Code (Chapter 75), or the Wildlife Code.

As you mentioned this project was previously reviewed under SIR 46205 with potential impacts to multiple species. While your submittal references our September 27, 2017 letter, our most recent correspondence was sent on July 31, 2019. No impacts are anticipated to Chesapeake Logperch and Northern Red-bellied Cooter.

Broad-headed Skink (*Plestiodon laticeps*, Candidate)

Based on the review of this information and the proximity of the project to known element occurrences of the species of concern listed above, potential habitat could be present within the proposed disturbance area. Therefore, additional evaluations are necessary to confirm whether or not the project site contains habitat and to determine the potential for adverse impacts to this species. We request completion of a **habitat assessment** to characterize and determine if potential habitat exists within the vicinity of the proposed project area, **limited to areas proposed for impact between the Western Terminus to State Route 272**. Currently, we do not have a list of qualified surveyors for the Broadhead Skink. However, Mr. Brandon Ruhe of Skelly and Loy, Inc has demonstrated his proficiency in finding Broadhead Skinks in Pennsylvania and in other nearby states, as well as identifying their critical habitats. We have reviewed his credentials, approved him, as well as permit him (Type 3 Scientific Collectors’ Permit) to search for and collect Broadhead Skinks. His contact information is:

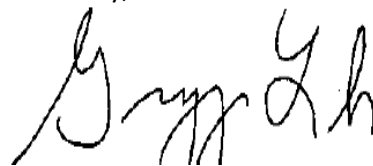
Brandon Ruhe
Skelly and Loy, Inc
449 Eisenhower Boulevard
Suite 300
Harrisburg, PA 17111
(717) 232-0593
(610) 844-5440 (Cell)
bruhe@skellyloy.com

If other potential qualified surveyors are known for this species (they must have documented experience with locating Broadhead Skink as well as demonstrate their expertise with identifying critical habitat for the species), please submit their credentials to for us to review and approval.

This response represents the most up-to-date summary of the PNDI data and our files and is valid for two (2) years from the date of this letter. An absence of recorded species information does not necessarily imply species absence. Our data files and the PNDI system are continuously being updated with species occurrence information. Should project plans change or additional information on listed or proposed species become available, this determination may be reconsidered, and consultation shall be re-initiated.

If you have any questions regarding this review, please contact Greg Lech at 814-470-6776 or glech@pa.gov and refer to the SIR # 61581. Thank you for your cooperation and attention to this important matter of species conservation and habitat protection.

Sincerely,

A handwritten signature in black ink, appearing to read 'Greg Lech', written in a cursive style.

Greg Lech
Resource Extraction Section

/GPL/dn

ENCLOSURE 2

August 8, 2025

Clara Trueblood
clara.trueblood@wsp.com

WSP
11 Stanwix Street
Pittsburgh, Pennsylvania 15220

Re: Transco Northeast Supply Enhancement Expansion Project Quarryville Loop
Qualified Broad-headed Skink (QBHSS) Services Habitat Assessment
Drumore Township, Lancaster, County, Pennsylvania

Dear Ms. Trueblood,

Pursuant to our recent coordination related to the above-referenced project, Skelly and Loy, Inc., A Terracon Company (Skelly and Loy), completed a negative Broad-headed Skink (*Plestiodon laticeps*) Habitat Assessment for the Transco Northeast Supply Enhancement Expansion Project Quarryville Loop project, on behalf of WSP and their client.

Project Background

The Broad-headed Skink investigation was conducted as part of permit planning for the construction of a natural gas pipeline in Drumore Township, Lancaster County, Pennsylvania. The 90-acre (approximate) project area is an existing pipeline right-of-way that extends southwest from PA-272 (approximately 1.4 miles south of Buck, PA) for 4.5 miles to River Road (approximately 0.8 miles northeast of the Susquehanna River in Drumore, PA) along the Muddy Run Pumped Storage Reservoir. Refer to Appendix A for a project location map and Appendix B for an aerial photograph depicting the proposed project area.

The Broad-headed Skink is a large, elusive lizard known to inhabit woodlands, field edges, rock outcrops, and rocky slopes. The Broad-headed Skink is listed as a candidate species under the Pennsylvania Fish and Boat Code. The Pennsylvania Fish and Boat Commission (PFBC) is the state regulatory agency with jurisdiction over the Pennsylvania Fish and Boat Code. Lancaster County is located within the known range of the species. To address any potential impacts to the Broad-headed Skink, the PFBC requested in their June 16, 2025, Species Impact Review (SIR# 61581) letter, that a Broad-headed Skink Habitat Assessment be conducted.

Methodology

The Broad-headed Skink Habitat Assessment, as requested by the PFBC, included all portions of the proposed project area (as provided by WSP). Aerial photographs and topographic maps were reviewed prior to the field assessments. Aerial photographs (from 1993 to 2024) were closely reviewed for wooded habitats and potential rock features or rock outcrops to direct in-field investigations. Seven (7) potential habitat areas were noted during this review (Table 1). The entire right-of-way was walked by field investigators, including a PFBC Qualified Broad-headed Skink Surveyor. Features characteristic of

occupied Broad-headed Skink habitats were sought within and immediately adjacent to the project right-of-way. These features include rock outcrops, patches of dead-standing trees, rocky slopes, and sandy meadows. Habitat assessments do not determine Broad-headed Skink presence or probable absence, only the absence or presence of potentially suitable habitat.

TABLE 1
SUMMARY OF POTENTIAL HABITAT FEATURES FOUND VIA DESKTOP REVIEW
JULY 28 – JULY 30, 2025

Feature	Latitude	Longitude	Description	Photo Point (Appendix C)
A	39.849087°	-76.227916°	Woodlot and hedgerow	3
B	39.842403°	-76.240902°	Wooded roadside	5
C	39.839602°	-76.239665°	Wooded field edge and woodlot	6
D	39.836608°	-76.252067°	Woodland and open sloped ROW	7-11
E	39.825002°	-76.272511°	Woodland and open sloped ROW	14-15
F	39.820749°	-76.279897°	Woodlot and hedgerow	16
G	39.817072°	-76.285628°	Woodland and open sloped ROW	17-18

Results

The habitat assessment was conducted by Skelly and Loy's Brandon Ruhe (PFBC Qualified Broad-headed Skink Surveyor) and Ben Hepler from July 28 to July 30, 2025. No Broad-headed Skink habitat was encountered within or immediately adjacent to the proposed project area. The project area largely consisted of open right-of-way through agricultural fields (predominantly corn) and several livestock pastures. The right-of-way passed under various local roads and a small residential development on the west side of Susquehannock Drive (Liberty Court). Agricultural fields within the investigation area were not suitable as Broad-headed Skink habitat due to the absence of large rocks, presence of dense cornfield, and absence of other notable habitat features used by the species. In-field assessments confirmed the presence of slopes and woodlands within the seven (7) features identified via desktop review. The right-of-way was well-maintained through wooded/sloped habitat areas. Woodlands along the right-of-way generally consisted of mature deciduous stands dominated by various oaks (*Quercus* spp.) with understories of common pawpaw (*Asimina triloba*), northern spicebush (*Lindera benzoin*), and multiflora rose (*Rosa multiflora*). No significant dead-stands of mature trees were noted along any portion of the right-of-way. No rock outcrops or significant rocky features (slopes, piles, etc.) were noted in any part of the proposed project area. Refer to Appendix D for photographs of the project area.

Recommendations and Opinions

Skelly and Loy conducted a Broad-headed Skink Habitat Assessment for the proposed Transco Northeast Supply Enhancement Expansion Project Quarryville Loop from July 28 to July 30, 2025. Based upon the results of this habitat assessment, Skelly and Loy related the following recommendations and opinions:

- No Broad-headed Skink habitat was found within or immediately adjacent to the proposed project area.
- No additional Broad-headed Skink surveys are recommended for the proposed project.

Transco NESEE Project
QBHSS Services
JN257218
August 8, 2025

- The results of this habitat assessment should be provided to the Pennsylvania Fish and Boat Commission for concurrence and issuance of a Species Impact Review clearance letter.

Skelly and Loy appreciated the opportunity to provide these services for your project. If you have any questions, please contact Brandon Ruhe or Ben Berra at your convenience.

Sincerely,
Skelly and Loy, Inc., A Terracon Company

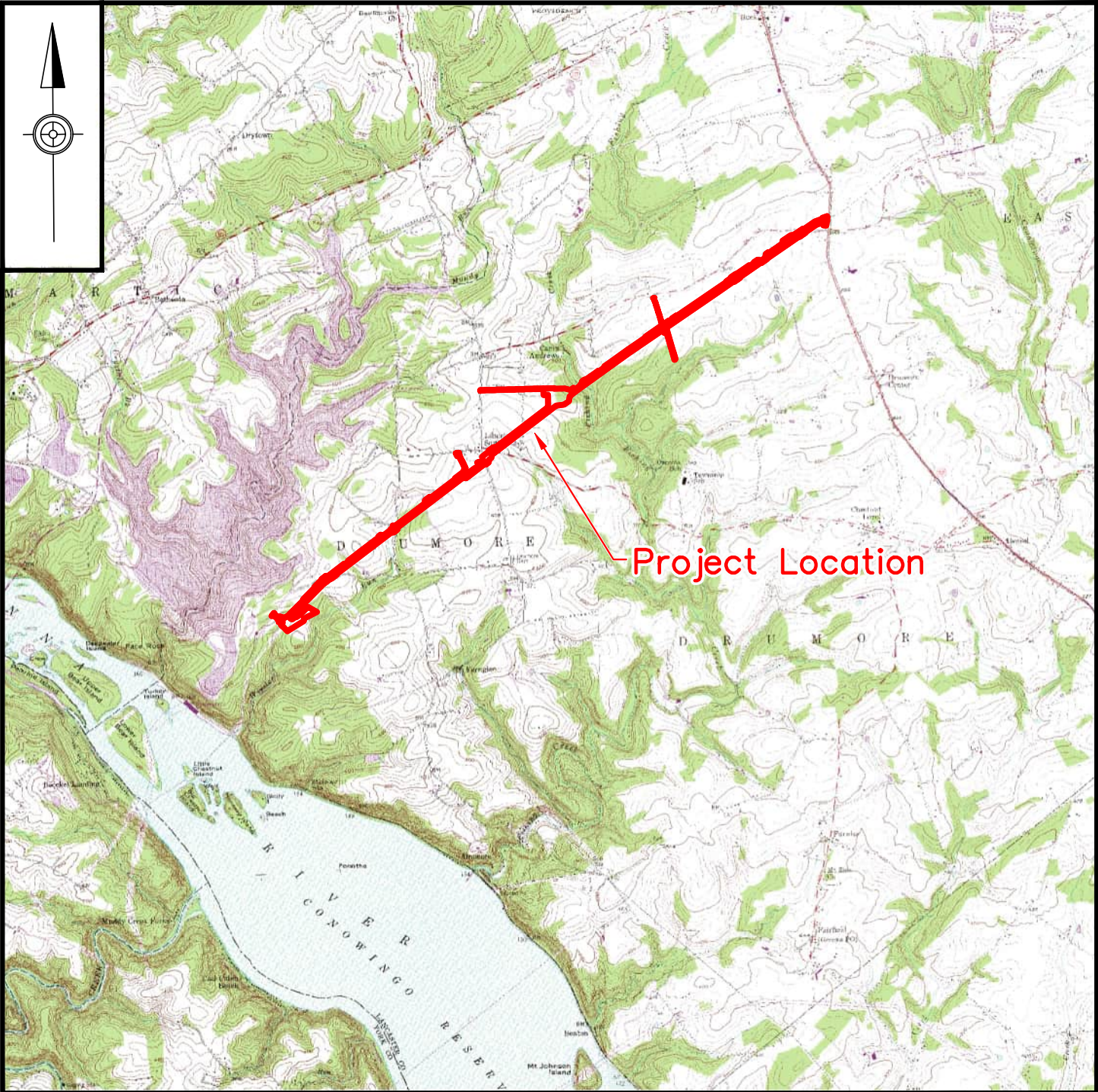


Brandon Ruhe
Senior Scientist
Qualified Broad-headed Skink Surveyor



Ben Berra
Principal
Department Manager, Natural Resources

Appendix A: Project Location Map



LEGEND

— Study Area

Feet
0 2,500 5,000 10,000

DATA SOURCE(S):
USGS Quadrangle - Holtwood, Wakefield, Pennsylvania

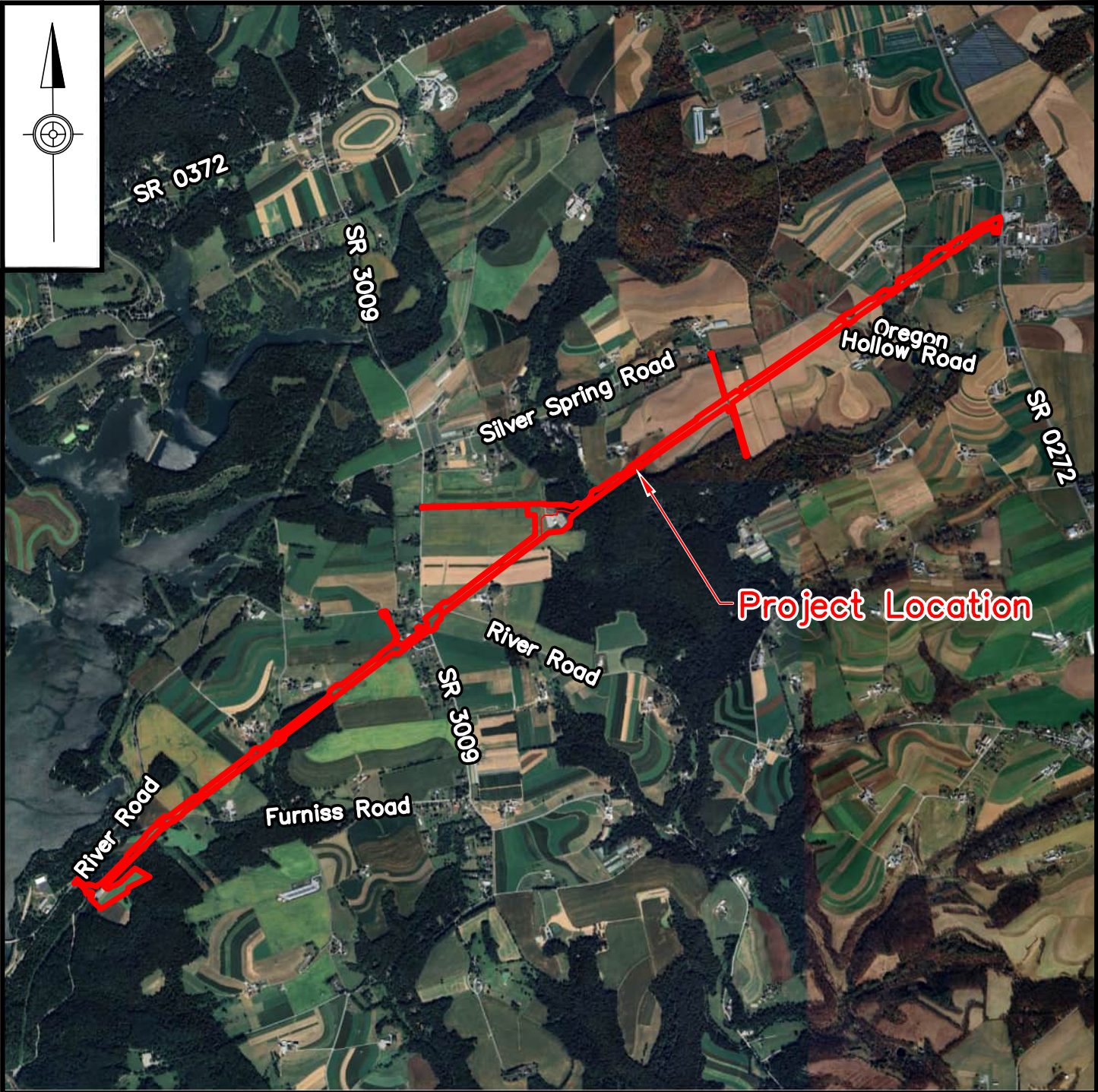
Project No.:	JN257218
Date:	August 2025
Drawn By:	DRB
Reviewed By:	BR

SKELLY AND LOY A Terracon Company	
449 Eisenhower Blvd #300	Harrisburg, PA 17111
PH. (717) 232-0593	terracon.com

Project Location
Transco Pipeline
Drumore Township Lancaster County, Pennsylvania

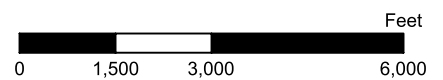
Figure
1

Appendix B: Aerial Photograph of Project Location



LEGEND

— Study Area



DATA SOURCE(S):
Google Earth Image

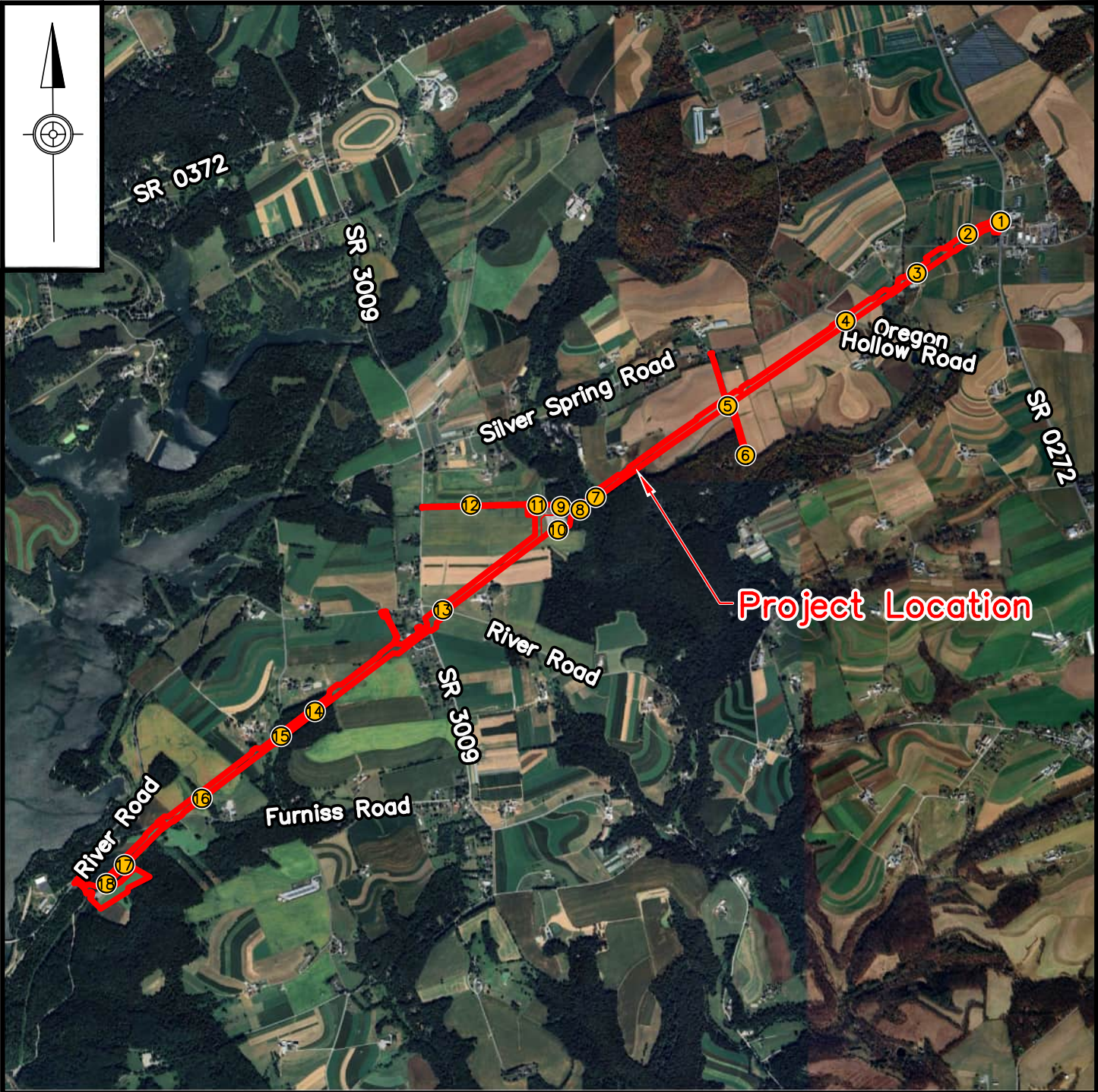
Project No.:	JN257218
Date:	August 2025
Drawn By:	DRB
Reviewed By:	BR

SKELLY AND LOY A Terracon Company	
449 Eisenhower Blvd #300	Harrisburg, PA 17111
PH. (717) 232-0593	terracon.com

Site Map
Transco Pipeline
Drumore Township Lancaster County, Pennsylvania

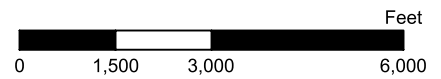
Figure
2

Appendix C: Photo Location Map



LEGEND

- Study Area
- ① Photo Location



DATA SOURCE(S):
Google Earth Image

Project No.:	JN257218
Date:	August 2025
Drawn By:	DRB
Reviewed By:	BR

SKELLY AND LOY A Terracon Company	
449 Eisenhower Blvd #300	Harrisburg, PA 17111
PH. (717) 232-0593	terracon.com

Photo Location Map

Transco Pipeline
Drumore Township
Lancaster County, Pennsylvania

Figure

3

Appendix D: Photo Log

Photo
1



Photo
2



Photograph 1: View west from the eastern limits of the study area.

Photograph 2: View northeast at project area from Silver Spring Road.

Photo
3



Photo
4



Photograph 3: View southwest at Feature A.

Photograph 4: View northeast at agricultural field typical of the investigation area along Oregon Hollow Road.

Photo
5



Photo
6



Photograph 5: View north at Feature B.

Photograph 6: View west at Feature C.

Photo
7



Photo
8



Photograph 7: View northeast at Feature D along Fishing Creek.

Photograph 8: View northeast at Feature D right-of-way slope.

Photo
9



Photo
10



Photograph 9: View south at wooded portion of Feature D.

Photograph 10: View southwest at southern portion of Feature D.

Photo
11



Photo
12



Photograph 11: View east at northern portion of Feature D.

Photograph 12: View east at access drive to station yard east of Susquehannock Drive.

Photo
13



Photo
14



Photograph 13: View northeast at agricultural field found along River Road.

Photograph 14: View northeast at Feature E.

Photo
15



Photo
16



Photograph 15: View southwest at western portion of Feature E.

Photograph 16: View northeast at Feature F.

Photo
17



Photo
18



Photograph 17: View northeast at Feature G.

Photograph 18: View southwest at western project area terminus.



Pennsylvania Fish & Boat Commission

Division of Environmental Services

Natural Gas Section
595 E Rolling Ridge Dr.
Bellefonte, PA 16823

September 27, 2017

IN REPLY REFER TO

SIR# 46205

Williams Transcontinental Pipe Line Company
Karen Olson
2800 Post Oak Blvd
Houston, Texas 77251

**RE: Species Impact Review (SIR) – Rare, Candidate, Threatened and Endangered Species
PNDI Search No. LARGE PROJECT REVIEW
Northeast Supply Enhancement Project
LANCASTER County: Drumore Township, East Drumore Township, Eden Township -
CHESTER County: East Whiteland Township**

Dear Karen Olson:

This responds to your most recent inquiry regarding a Pennsylvania Natural Diversity Inventory (PNDI) Internet Database search “potential conflict” or a threatened and endangered species impact review related to the Northeast Supply Enhancement Project (Project) which has been reviewed for potential conflicts to sensitive species under the jurisdiction of the Pennsylvania Fish and Boat Commission (PFBC).

Additional information was provided by representatives of the Project, by e-mail, on September 22, 2017. The update included: a change to the Project limits-of-disturbance (LOD); and milepost (MP) 1685.79 to MP1686.89, which was previously proposed as horizontal directional drill, will now be installed via open-cut.

Based on the updated LOD and construction methodology, the PFBC does not anticipate significant adverse impacts to the Chesapeake logperch as a result of the Project.

This response represents the most up-to-date summary of the PNDI data and our files and is valid for two (2) years from the date of this letter. An absence of recorded species information does not necessarily imply species absence. Our data files and the PNDI system are continuously being updated with species occurrence information. Should project plans change or additional information on listed or proposed species become available, this determination may be reconsidered, and consultation shall be re-initiated.

Our Mission:

www.fish.state.pa.us

To protect, conserve and enhance the Commonwealth's aquatic resources and provide fishing and boating opportunities.

If you have any questions regarding this review, please contact Gregory Lech at 610-847-8772 and refer to the SIR # 46205. Thank you for your cooperation and attention to this important matter of species conservation and habitat protection.

Sincerely,

A handwritten signature in dark ink that reads "Heather Smiles". The signature is written in a cursive, flowing style.

Heather A. Smiles, Chief
Natural Gas Section

HAS/GPL/dn

Cc: Stephen Czapka (Ecology and Environment, Inc.)