



Transcontinental Gas Pipe Line Company, LLC

**NORTHEAST SUPPLY
ENHANCEMENT PROJECT**

**REQUIREMENT H – PROJECT DESCRIPTION NARRATIVE AND AQUATIC RESOURCES
IMPACT TABLE**

PADEP CHAPTER 105/USACE SECTION 404 JOINT PERMIT APPLICATION



August 2025

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A. GENERAL PROJECT DESCRIPTION

Transcontinental Gas Pipe Line Company, LLC (Transco) is submitting Joint Permit Application (JPA) for Project related impacts to Waters of the United States subject to jurisdiction under Section 404 of the Clean Water Act and subject to PA Code Title 25 Chapter 105. Transco is applying for an Individual Joint Permit with the United States Army Corps of Engineers (USACE) Baltimore District and Pennsylvania Department of Environmental Protection (PADEP) Chapter 105 Permit, respectively, for the Quarryville Loop. No Waters of the United States are to be impacted at the Compressor Station 200. Transco filed a Petition for Expedited Reissuance of Certificate Authority with the Federal Energy Regulatory Commission on May 29, 2025, requesting the reissuance of the certificate of public convenience and necessity, as amended, authorizing Transco to construct and operate the NESE Project.

Transcontinental Gas Pipe Line Company, LLC (Transco) is proposing the Northeast Supply Enhancement – Quarryville Loop (Project). The Project will take place in Drumore, East Drumore, and Eden Townships, Lancaster County, on the Holtwood, Wakefield, and Quarryville, Pennsylvania USGS 7.5 Minute Topographic Quadrangles.

The Quarryville Loop is proposed as part of the overall Northeast Supply Enhancement Project (NESE). The overall goal of NESE is to expand Transco’s existing interstate natural gas pipeline system in Pennsylvania and New Jersey and its existing offshore natural gas pipeline system in New Jersey and New York waters. NESE will provide 400,000 dekatherms per day (Dth/d) of incremental capacity to National Grid at Transco’s existing Rockaway Transfer Point located approximately three miles offshore of the Rockaway Peninsula in Queens Borough, New York.

The overall NESE project can be broken down into above ground facilities and pipeline loops. The above ground facilities include the construction of Compressor Station 206, modifications to the existing Compressor Station 200 and modifications to the existing Valve Site 195-5, Valve Site 195-10, and Valve Site 200-55 and the installation of two new valve sites. Compressor Station 206 will be comprised of a newly constructed 32,000 ISO (International Organization for Standardization) horsepower (hp) compressor station and related ancillary equipment in Somerset County, New Jersey. The addition of one electric motor-driven compressor (21,902 hp) and related equipment is proposed at Compressor Station 200, located in Chester County,

Pennsylvania. At each of the existing valve sites listed above a new mainline valve, launcher/receiver, and tie-in facilities will be installed.

In addition to the above ground facilities discussed above, three pipeline loops are proposed. The proposed Raritan Bay Loop will consist of a newly constructed 26-inch-diameter pipeline located in New Jersey and New York. In New Jersey, approximately 0.16 miles of the loop will be installed onshore in conjunction with a 545-foot-long cathodic protection power cable. An additional 23.33 miles of the loop will be installed offshore from New Jersey to New York. The proposed Madison Loop will consist of 3.43 miles of newly constructed 26-inch diameter pipeline located in Middlesex County, New Jersey. The Quarryville Loop, proposed in Lancaster County, PA, is 10.17 miles of 42-inch diameter gas pipeline looping with Transco's existing mainline system.

A1. Quarryville Loop

Transco is submitting this application package for the 10.17-mile Quarryville Loop. The Quarryville Loop is designed for a maximum allowable operating pressure (MAOP) of 1,440 pounds per square inch gauge (psig). The Quarryville Loop will begin at MP1681.00 of the existing Transco Mainline. A majority of the Loop will be co-located within the existing pipeline right-of-way (ROW). However, Transco proposes to widen the existing ROW, as depicted on the plan drawings, to accommodate a 25-foot offset between pipeline centerlines. Construction of the Project will require installing a new mainline valve, launcher/receiver, and tie-in facility at existing valve sites at the beginning and end of the Loop. A new intermediate mainline valve will be installed at MP 1687.85. Cathodic protection will be installed perpendicular to the pipeline near MP 1684.21. Unavoidable impacts to aquatic resources are necessary to construct the proposed Quarryville Loop. Disturbed areas will be returned to pre-construction grade and contour upon completion of construction.

B. PROJECT PURPOSE

Transco proposes to construct, install, and operate the Quarryville Loop as part of the NESE. NESE is proposed to provide 400,000 Dth/d of incremental firm transportation capacity to National Grid from Compressor Station 195 through the Rockaway Transfer Point to supply National Grid's existing service territory to fulfill incremental supply needs. National Grid intends to utilize 100% of the Project's capacity to serve its retail customers across its existing service territory.

Transco's existing natural gas transportation system currently supplies natural gas to the New York City metropolitan region via National Grid's existing receipt points. The Quarryville Loop is proposed as part of the overall NESE Project and is a necessary component of the Project to meet the incremental supply needs outlined above. The Quarryville Loop will help to provide additional gas supply during periods of increased peak demand resulting from increased residential and commercial usage related to population and market growth and the phase-out of fuel oil in New York City.

C. WATER DEPENDENCY

Based on the Project purpose and need presented above to increase capacity, the Quarryville Loop was sited, to the extent practicable, to avoid and minimize impacts to surrounding resources. Wetland and waterbody delineations for the Quarryville Loop Project area were conducted in 2016 with recent due diligence efforts to confirm the continued consistency of the aquatic resources in May 2025 (See Module S2: Resource Identification and Characterization). The investigation area typically extended a minimum of 200 feet on either side of the pipeline centerline and farther where additional construction workspaces, pipeline facilities, or access roads are proposed. During the delineation, 10 wetlands and 13 streams were identified and delineated within the investigation area for the Quarryville Loop. There are no Federal Emergency Management Agency (FEMA) Floodways located within the proposed Project area. However, a 50-foot floodway was delineated for each channel identified within the study area.

Pursuant to 25 Pa. Code § 105.18(a)(2) PADEP determines on a case-by-case basis whether a linear infrastructure project is water dependent. In addition, due to the linear nature of the 10.17-mile FERC regulated interstate pipeline project, the route determined by the Federal Energy Regulatory Commission (FERC), unavoidably crosses water resource impacts; therefore, PADEP would be justified in determining pursuant to its regulations that the Project is water dependent. In total, the project will cross thirteen streams and eleven wetlands. Dry-open cut methods will be utilized with the exception of one stream crossing where a conventional bore is proposed. Impacts associated with the Project are provided in the Aquatic Resources Impact Table provided in Requirement J: Environmental Assessment Form - Module S3: Identification and Description of Potential Project Impacts of this application.

D. PUBLIC HEALTH, SAFETY, AND THE ENVIRONMENT

The transportation of natural gas by pipeline may involve some risk to the public in the event of an incident and subsequent release of natural gas. Potential impacts on public safety from pipeline transportation of natural gas have been directly related to leaks or line breaks due to corrosion or equipment malfunctions or indirectly related to leaks or line breaks resulting from external forces not associated with pipeline operations (e.g., damage from third-party digging near buried pipeline sections). Natural forces also have the potential to damage the pipeline, valves, and meter stations. Damage from natural forces could result in an unintentional release, leak, or fire.

To minimize incidents, interstate natural gas pipeline facilities are designed, constructed, operated, and maintained in accordance with the U.S. Department of Transportation's (USDOT's) Pipeline and Hazardous Materials Safety Administration (PHMSA) Standard 49, Code of Federal Regulations (CFR) Part 192 (49 CFR Part 192). These federal safety standards, together with pipeline-integrity management programs and recent advances in pipeline manufacture, construction, and inspection techniques, minimize the potential for pipeline failure. These measures include improved public awareness initiatives, such as the "811" call system, "Call Before You Dig," and other One Call programs intended to reduce third-party damage to underground utilities, including buried high-pressure natural gas pipelines.

Transco will follow standard operating procedures and regulations during installation of the Project. Safety is a common concern with respect to natural gas pipeline projects and associated compressor facilities. While the Commission has oversight in ensuring that aboveground facilities are safely constructed and installed, once the natural gas is flowing in the new facilities, the USDOT assumes oversight responsibility during the operational life of the pipeline and supporting appurtenances. The USDOT is also responsible for setting the federal safety standards for natural gas.

Transco will comply with, and in most cases exceed, the requirements of the USDOT, the Occupational Safety and Health Administration (OSHA), and other applicable regulations, standards, and guidelines for safety. This will include compliance with applicable design standards and codes, construction provisions as mandated, and operation procedures and standards, such as the Pennsylvania, One Call system.

The Quarryville Loop has been designed to minimize environmental impacts to the greatest extent practicable. Due to the linear nature of the Project, however, unavoidable impacts to wetlands and waterbodies are proposed. Many of the wetland and waterbody crossings are in agricultural areas and all crossings are adjacent to existing pipelines because the Project is being co-located to existing Transco pipelines.

Aquatic Resource Impact Summary Table by Crossing

Resource Crossing Number ¹	Latitude ²	Longitude ²	Type ³	Resource Name ⁴	Waterway Name ⁴	Class ⁵	Stream Type or Cowardin Class ⁶	Chapter 93 Designation or Existing Use for Streams and Chapter 105.17 Wetland Designation ⁷	Floodway/Floodplain Data (50' FW, 100 year floodplain, FEMA Floodway) ⁸	Stocked Trout Waters ⁹	Natural Reproducing Trout Stream ⁹	Class A - Wild Trout Water ⁹	Crossing Window ¹⁰	Submerged Land License Agreement Required? ¹¹	Potential Bog Turtle Habitat Present? ¹²	Stream Length within Permanent Right-of-Way	Distance at Pipeline Crossing (feet) ¹³	Temporary Impacts - Disturbance Feet ¹⁴		Permanent Impacts - Disturbance Feet ¹⁵		Temporary Impacts - LOD ¹⁷		Permanent Impacts - 42" Pipe ¹⁸		SPGP-6 Impact, excluding floodways (acres) ^{17,18}	Crossed by ¹⁶	Crossing Method ¹⁹		
																		Area (feet) ¹⁴	Area (acres) ¹⁴	Area (feet) ¹⁵	Area (acres) ¹⁵	Area (feet) ¹⁷	Area (acres) ¹⁷	Area (feet) ¹⁸	Area (acres) ¹⁸					
Crossing 1 MP 1681.87	39.823588	-76.275092	Waters	Stream	WW-T02-008	UNT to Wissler Run	E	HQ-WWF, MF	50' Floodway Only	N	Y	N	Jan. 1 - Sept. 30	N	-	78	25	361	0.008	1,068	0.025	1,344	0.031	85	0.002	0.04	Pipeline/LOO	Dry, Open Cut and Timber Mats/Bridge		
Crossing 2 MP 1683.52	39.83722	-76.251129	Waters	Floodway	WW-T02-013	Fishing Creek	P	HQ-CWF, MF	50' Floodway and 100 year floodplain	Y	Y	N	Jan. 1 - Feb. 14; June 2 - Sept. 30	N	-	66	10	185	0.004	616	0.014	767	0.018	34	0.001	0.010	Pipeline/LOO	Dry, Open Cut and Timber Mats/Bridge		
			Wetlands	WB-T02-012	-	N/A	-	-	-	-	-	-	-	-	-	-	121	1,507	0.035	0.039	6,759	0.155	0.169	7,927	0.181	390	0.009	0.010		
			Wetlands	W-T02-012A-1	-	PEM	EV	-	-	-	-	-	-	-	-	-	22	0	0.000	0.000	1,200	0.028	0.028	1,122	0.026	78	0.002	0.002		
			Wetlands	WB-T02-012	-	N/A	-	-	-	-	-	-	-	-	-	-	N/A	244	0.006	0.006	193	0.004	0.004	437	0.010	0.010	0.000	0	0.000	
Crossing 3 MP 1684.98	39.848749	-76.228608	Waters	Stream	WW-T02-010	UNT to Fishing Creek	P	HQ-CWF, MF	50' Floodway and 100 year floodplain	Y	+0.5 miles downstream	Y	N	Jan. 1 - Sept. 30	N	-	85	4	0	0.000	281	0.006	0.004	287	0.006	14	0.000	0.002	Pipeline/LOO	Dry, Open Cut and Timber Mats/Bridge
			Wetlands	W-T02-010A-1	-	PEM	-	-	-	-	-	-	-	-	-	-	122	0	0.000	0.000	1,917	0.044	0.050	1,844	0.042	0.048	73	0.002		
			Wetlands	W-T02-008A-1	-	PEM	EV	-	-	-	-	-	-	-	-	-	0	0.000	0.000	4,268	0.098	0.098	4,079	0.094	190	0.004	0.010			
			Wetlands	W-T02-008A-2	-	PEM	EV	-	-	-	-	-	-	-	-	-	0	0.000	0.000	3,938	0.090	0.090	3,703	0.085	235	0.005	0.010			
Crossing 4 MP 1685.72	39.854358	-76.21681	Waters	Stream	WW-T02-001	UNT to Conowingo Creek	I	HQ-CWF, MF	50' Floodway Only	Y	+0.5 miles downstream	Y	Y	Jan. 1 - Sept. 30	N	-	32	2	58	0.001	64	0.001	118	0.003	5	0.000	0.008	Pipeline/LOO	Dry, Open Cut and Timber Mats/Bridge	
			Wetlands	W-T02-001A-1	-	PEM	-	-	-	-	-	-	-	-	-	-	126	1,399	0.032	0.033	3,694	0.085	0.086	4,749	0.109	345	0.008	0.008		
			Wetlands	W-T02-001A-2	-	PEM	EV	-	-	-	-	-	-	-	-	-	97	0.002	0.002	3,637	0.083	0.083	3,544	0.081	191	0.004	0.010			
			Wetlands	W-T02-001B-1	-	PSS	-	-	-	-	-	-	-	-	-	-	1,221	0.028	0.028	15,209	0.349	0.349	15,655	0.359	774	0.018	0.022			
Crossing 5 MP 1686.51	39.860281	-76.204403	Waters	Stream	WW-T02-005	Conowingo Creek	P	HQ-CWF, MF	50' Floodway and 100 year floodplain	Y	+0.5 miles downstream	Y	Y	April 2 - Sept. 30	N	-	154	44	0	0.000	0.000	2,528	0.058	0.503	2,384	0.055	0.482	140	0.003	0.021
			Wetlands	W-T02-005A-1	-	PEM	-	-	-	-	-	-	-	-	-	-	264	0	0.000	0	0.000	19,399	0.445	0.445	18,617	0.427	785	0.018	0.000	
			Wetlands	W-T02-005A-2	-	PEM	EV	-	-	-	-	-	-	-	-	-	0	0.000	0	0	0.000	0	0.000	0	0.000	0	0.000	0.000		
			Wetlands	W-T02-005B-1	-	PSS	-	-	-	-	-	-	-	-	-	-	123	27	0	0.000	0.000	1,682	0.038	0.305	1,586	0.036	96	0.002	0.014	
Crossing 6 MP 1687.39	39.86704	-76.190676	Waters	Stream	WW-T02-007	UNT to Conowingo Creek	P	HQ-CWF, MF	50' Floodway and 100 year floodplain	Y	+0.5 miles downstream	Y	Y	April 2 - Sept. 30	N	-	158	18	158	0.004	0.009	733	0.017	0.318	627	0.019	0.368	63	0.001	0.018
			Wetlands	WW-T02-007A-1	-	PEM	EV	-	-	-	-	-	-	-	-	-	250	2,311	0.045	0.045	13,098	0.301	0.301	15,221	0.349	729	0.017	0.020		
			Wetlands	WW-T02-007A-2	-	PEM	EV	-	-	-	-	-	-	-	-	-	2	21	0.000	0.005	211	0.005	223	0.005	8	0.000	0.020	0.000		
			Wetlands	WW-T02-005A-1	-	PEM	EV	-	-	-	-	-	-	-	-	-	248	3,696	0.085	0.085	14,555	0.334	0.339	17,383	0.399	868	0.020	0.020		
Crossing 7 MP 1688.1	39.872508	-76.179436	Waters	Stream	WW-T02-009	Stewart Run	P	HQ-CWF, MF	50' Floodway Only	Y	+0.5 miles downstream	Y	Y	Year Round	N	-	27	84	0.002	0.002	1,538	0.035	0.035	1,529	0.035	0.035	93	0.002	0.002	
			Wetlands	W-T02-009A-1	-	PEM	-	-	-	-	-	-	-	-	-	-	0	0.000	0	0	0	0.000	0	0	0.000	0.000	0	0.000	0.000	
			Wetlands	W-T02-009A-2	-	PEM	OTHER	-	-	-	-	-	-	-	-	-	226	2,810	0.065	0.071	10,375	0.238	0.284	12,566	0.288	0.347	619	0.014	0.018	
			Wetlands	W-T02-009A-3	-	PEM	OTHER	-	-	-	-	-	-	-	-	-	66	2	171	0.004	0.004	134	0.003	298	0.007	7	0.0000	0.000		
Crossing 8 MP 1688.46	39.875384	-76.173729	Waters	Stream	WW-T02-011	UNT to Stewart Run	P	HQ-CWF, MF	50' Floodway Only	Y	+0.5 miles downstream	N	N	Year Round	N	-	119	0	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0	0	0.000	0.000	
			Wetlands	W-T02-010A-1	-	PEM	OTHER	-	-	-	-	-	-	-	-	-	342	1,449	0.033	0.034	14,036	0.322	0.377	14,290	0.328	0.455	1,195	0.027	0.027	
			Wetlands	W-T02-010B-1	-	PSS	OTHER	-	-	-	-	-	-	-	-	-	342	3,123	0.072	0.072	2,395	0.055	0.377	5,519	0.127	0.655	0.000	0.000	0.000	0.000
			Wetlands	W-T06-001A-1	-	PEM	OTHER	-	-	-	-	-	-	-	-	-	0	0.000	0	0	0	0.000	0	0	0.000	0.000	0	0.000	0.000	
Crossing 9 MP 1688.71	39.877566	-76.169788	Waters	Stream	WW-T06-001	UNT to Stewart Run	P	HQ-CWF, MF	50' Floodway Only	Y	+0.5 miles downstream	N	N	Year Round	N	-	112	2,315	0.053	0.053	6,578	0.151	0.151	8,502	0.195	0.195	392	0.009	0.009	
			Wetlands	W-T06-001A-1	-	PEM	OTHER	-	-	-	-	-	-	-	-	-	15	0	0.000	0.000	438	0.010	0.110	384	0.009	0.131	51	0.001	0.010	
			Wetlands	W-T06-003A-1	-	PEM	OTHER	-	-	-	-	-	-	-	-	-	119	1,359	0.031	0.031	4,352	0.100	0.110	5,341	0.123	364	0.008	0.009		
			Wetlands	W-T06-003A-1	-	PEM	OTHER	-	-	-	-	-	-	-	-	-	N/A	762	0.017	0.017	471	0.011	0.011	1,232	0.028	0.028	0.000	0.000	0.000	
Crossing 10 MP 1690.47	39.891973	-76.142222	Waters	Stream	WW-T02-012	UNT to Bowery Run	I	HQ-CWF, MF	50' Floodway Only	Y	+0.5 miles downstream	N	N	Year Round	N	-	73	6	154	0.004	0.048	457	0.010	0.173	589	0.014	0.211	22	0.001	0.010
			Wetlands	W-T02-11A-1	-	PEM	OTHER	-	-	-	-	-	-	-	-	-	119	1,917	0.044	0.048	7,067	0.162	0.173	8,589	0.197	0.211	396	0.009	0.010	
			Wetlands	W-T02-11A-1	-	PEM	OTHER	-	-	-	-	-	-	-	-	-	48	2,450	0.056	0.056	2,531	0.058	0.058	4,812	0.110	0.110	169	0.004	0.004	
			Wetlands	W-T06-004A-1	-	PEM	OTHER	-	-	-	-	-	-	-	-	-	0	0.000	0	0	0	0.000	0	0	0.000	0.000	0.000	0.000	0.000	
Crossing 11 MP 1690.9	39.895652	-76.136389	Waters	Stream	WW-T06-001	UNT to Bowery Run	P	HQ-CWF, MF	50' Floodway Only	Y	+0.5 miles downstream	N	N	Year Round	N	-	220	4,353	0.100	0.100	13,483	0.310	0.310	17,067	0.382	0.392	769	0.018	0.018	
			Wetlands	W-T06-004A-1	-	PEM	OTHER	-	-	-	-	-	-	-	-	-	0	0.000	0	0	0	0.000	0	0	0.000	0.000	0.000	0.000	0.000	
			Wetlands	W-T06-004A-1	-	PEM	OTHER	-	-	-	-	-	-	-	-	-	0	0.000	0	0	0	0.000	0	0	0.000	0.000	0.000	0.000	0.000	
			Wetlands	W-T06-004A-1	-	PEM	OTHER	-	-	-	-	-	-	-	-	-	0	0.000	0	0	0	0.000	0	0	0.000	0.000	0.000	0.000	0.000	

Subfacility Table by Crossing

Resource Crossing Number ¹	Latitude ²	Longitude ²	County	Municipality	Feature Type ³		Resource Name ⁴	Waterway Name ⁵	Stream Type or Cowardin Class ⁶	Chapter 93 Designation or Existing Use for Streams and Chapter 105.17 Wetland Designation ⁷	Floodway/Floodplain Data (50' FW, 100 year floodplain, FEMA Floodway) ⁸	Subfacility Type & Code	Stream Length within Permanent Right-of-Way	Distance at Pipeline Crossing (feet) ⁹	Temporary Impacts - LOD ¹³				Permanent Impacts - 42" Pipe ¹⁴				Crossed by ¹¹	Crossing Method ¹²		
															Area (feet ²) ¹⁰	Area (acres) ¹⁰	Total Impacts for this Location (acres)	Area (feet ²) ¹⁰	Area (acres) ¹⁰	Total Impacts for this Location (acres)						
Crossing 1 MP 1681.87	39.823588	-76.275092	Lancaster	Drumore Township	Waters	Stream	WW-T02-008	Wissler Run	P	HQ-WWF, MF	50' Floodway Only	TRNC, TWP, BRDG	78	25	1,344	0.031	0.326	85	0.002	0.011	Pipeline/ LOD	Dry, Open Cut and Timber Mats/Bridge				
						Floodway	WW-T02-008A	UNT To Wissler Run	E	HQ-WWF, MF					360	0.008		0.000	0.000							
						-	-	-	-	-					139	12.492		0.287	401				0.009			
Crossing 2 MP 1683.52	39.83722	-76.251129	Lancaster	Drumore Township	Waters	Stream	WW-T02-013	Fishing Creek	P	HQ-CWF, MF	50' Floodway and 100 year floodplain	TRNC, TWP, BRDG	66	10	767	0.018	0.198	34	0.001	0.010	Pipeline/ LOD	Dry, Open Cut and Timber Mats/Bridge				
						Floodway	-	-	-	-					121	7.877		0.181	390				0.009			
					Wetlands	W-T02-012A-1	-	PEM	EV	-	-		22	1,122	0.026	0.026	78	0.002	0.002							
						Waterbodies	WB-T02-012	-	N/A	-	-		-	N/A	437	0.010	0.010	0.000	0	0.000						
						Crossing 3 MP 1684.96	39.848749	-76.228608	Lancaster	Drumore Township	Waters		Stream	WW-T02-010	UNT to Fishing Creek	P	HQ-CWF, MF	50' Floodway and 100 year floodplain	TRNC, TWP, BRDG	85			4	267	0.006	0.048
Floodway	-	-	-	-	122							1,844	0.042	73	0.002											
Wetlands	W-T02-008A-1	-	PEM	EV	-						-	121	4,079	0.094	0.184	190	0.004	0.010								
	W-T02-008A-2	-	PEM	-	235	0.005																				
	W-T02-008B-1	-	PSS	-	0	0.00																				
Crossing 4 MP 1685.72	39.854358	-76.21681	Lancaster	East Drumore Township	Waters	Stream	WW-T02-001	UNT to Conowingo Creek	I	HQ-CWF, MF	50' Floodway Only	TRNC, TWP, BRDG	32	2	118	0.003	0.112	5	0.000	0.008	Pipeline/ LOD	Dry, Open Cut and Timber Mats/Bridge				
						Floodway	-	-	-	-					126	4,749		0.109	345				0.008			
					Wetlands	W-T02-001A-1	-	PEM	-	277	15,655		0.359	0.508	191	0.004	0.022									
						W-T02-001A-2	-	PEM	-						774	0.018										
						W-T02-001B-1	-	PSS	-						0	0										
						W-T02-001C-1	-	PFO	-						0	0										
						W-T02-001C-1	-	PFO	-						0	0										
Crossing 5 MP 1686.51	39.860281	-76.204403	Lancaster	East Drumore Township	Waters	Stream	WW-T02-005	Conowingo Creek	P	HQ-CWF, MF	50' Floodway and 100 year floodplain	TRNC, TWP, BRDG	154	44	2,384	0.055	0.482	140	0.003	0.021	Pipeline/ LOD	Dry, Open Cut and Timber Mats/Bridge				
						Floodway	-	-	-	-					264	18,617		0.427	785				0.018			
					Wetlands	-	-	-	-	-	0		0.000	0.000	0	0	0.000									
Crossing 6 MP 1686.61	39.861121	-76.201796	Lancaster	East Drumore Township	Waters	Stream	WW-T02-006	UNT to Conowingo Creek	P	HQ-CWF, MF	50' Floodway and 100 year floodplain	TRNC, TWP, BRDG	123	27	1,586	0.036	0.291	96	0.002	0.014	Pipeline/ LOD	Dry, Open Cut and Timber Mats/Bridge				
						Floodway	-	-	-	-					180	11,070		0.254	517				0.012			
					Wetlands	-	-	-	-	-	0		0.000	0.000	0	0.000	-									
Crossing 7 MP 1687.39	39.86704	-76.190676	Lancaster	East Drumore Township	Waters	Stream	WW-T02-007	UNT to Conowingo Creek	P	HQ-CWF, MF	50' Floodway and 100 year floodplain	TRNC, TWP, BRDG	158	18	827	0.019	0.368	63	0.001	0.018	Pipeline/ LOD	Dry, Open Cut and Timber Mats/Bridge				
						Floodway	-	-	-	-					250	15,221		0.349	720				0.017			
						Stream	WW31001	UNT to Conowingo Creek	E	HQ-CWF, MF	50' Floodway Only		106	2	223	0.005	0.404	8	0.000	0.020						
						Floodway	-	-	-	-					248	17,383		0.399	868					0.020		
					Wetlands	W-T02-005A-1	-	PEM	EV	-	-		27	1,529	0.035	0.035	93	0.002	0.002							
Crossing 8 MP 1688.1	39.872508	-76.179436	Lancaster	East Drumore Township	Waters	Stream	-	Stewart Run	-	HQ-CWF, MF	-	TRNC, TWP, BRDG	-	-	0	0.000	0.000	0	0	0.000	Pipeline/ LOD	Dry, Open Cut and Timber Mats/Bridge				
						Floodway	-	-	-	-	0							0								
					Wetlands	W-T02-009A-1	-	PEM	OTHER	-	-		226	2,539	0.058	0.347	171	0.004	0.018							
						W-T02-009A-2	-	PEM	-	-	12,566		0.288	619	0.014											
Crossing 9 MP 1688.46	39.875384	-76.173729	Lancaster	East Drumore Township	Waters	Stream	WW-T02-011	UNT to Stewart Run	P	HQ-CWF, MF	50' Floodway Only	TRNC, TWP, BRDG	66	2	298	0.007	0.007	7	0.000	0.000	Pipeline/ LOD	Dry, Open Cut and Timber Mats/Bridge				
						Floodway	-	-	-	-					119	0.000		0.000	0				0			
					Wetlands	W-T02-010A-1	-	PEM	OTHER	-	-		342	14,290	0.328	0.455	1,195	0.027	0.027							
W-T02-010B-1	-	PSS	-	-	5,519	0.127	0.000	0.000																		
Crossing 10 MP 1688.71	39.877566	-76.169788	Lancaster	East Drumore Township	Waters	Stream	-	Stewart Run	-	HQ-CWF, MF	-	TRNC, TWP, BRDG	-	-	0	0.000	0.000	0.000	0	0.000	Pipeline/ LOD	Dry, Open Cut and Timber Mats/Bridge				
						Floodway	-	-	-	-	0							0								
					Wetlands	W-T06-001A-1	-	PEM	OTHER	-	-		112	8,502	0.195	0.195	392	0.009	0.009							
Crossing 11 MP 1689.34	39.882178	-76.159672	Lancaster	East Drumore Township	Waters	Stream	WW-T06-001	UNT to Stewart Run	P	HQ-CWF, MF	50' Floodway Only	DB, TWP, BRDG	22	15	384	0.009	0.131	51	0.001	0.010	Pipeline/ LOD	Conventional Bore and Timber Mats/Bridge				
						Floodway	-	-	-	-					119	5,341		0.123	364				0.008			
Crossing 12 MP 1690.47	39.891973	-76.142222	Lancaster	Eden Township	Waters	Stream	WW-T02-012	UNT to Bowery Run	I	HQ-CWF, MF	50' Floodway Only	TRNC, TWP, BRDG	73	6	589	0.014	0.211	22	0.001	0.010	Pipeline/ LOD	Dry, Open Cut and Timber Mats/Bridge				
						Floodway	-	-	-	-					119	8,589		0.197	396				0.009			
					Wetlands	W-T02-11A-1	-	PEM	OTHER	-	-		48	4,812	0.110	0.110	169	0.004	0.004							
Crossing 13 MP 1690.9	39.895562	-76.136389	Lancaster	Eden Township	Waters	Stream	-	UNT to Bowery Run	-	HQ-CWF, MF	-	TRNC, TWP, BRDG	-	-	0	0.000	0.000	0.000	-	-	Pipeline/ LOD	Dry, Open Cut and Timber Mats/Bridge				
						Floodway	-	-	-	-	-							-	-				-	-		
					Wetlands	W-T06-004A-1	-	PEM	OTHER	-	-	-	220	17,067	0.392	0.392	769	0.018	0.018							