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

JUNE 2025

TABLE OF CONTENTS

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[5]	Stream Type or Cowardin Class[6]	Chapter 93 Designation or Existing Use for Streams and Chapter 105.17 Wetland Designation[7]	Floodway/Flooplain 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 Fees[14]			Permanent Impacts - Disturbance Fees[15]			Temporary Impacts - LOD [17]			Permanent Impacts - 42" Pipe [18]			SPGP-5 Impact, excluding floodways (acres)[19]	Crossed by[20]	Crossing Method[21]
																	Area (feet^2)[16]	Area (acres)[16]	Total Impacts for this Location (acres)	Area (feet^2)[16]	Area (acres)[16]	Total Impacts for this Location (acres)	Area (feet^2)[16]	Area (acres)[16]	Total Impacts for this Location (acres)	Area (feet^2)[16]	Area (acres)[16]	Total Impacts for this Location (acres)			
Crossing 1 MP 1681.87	39.823588	-76.275092	Waters	Stream	WW-T02-008	Wissler Run	P	HQ-WWF, MF	50' Floodway Only	N	Y	N	Jan. 1 - Sept. 30	N	-	78	25	361	0.008	0.135	1,068	0.025	0.202	1,344	0.031	0.326	85	0.002	0.011	0.04	Pipeline/ LOD	Dry, Open Cut and Timber Mats/Bridge
				Stream	WW-T02-008A	UNT To Wissler Run	E	HQ-WWF, MF							-	21	N/A	199	0.005		161	0.004		360	0.008		0.000	0.000			
				Floodway	-	-	-	-	-						-	-	139	5,325	0.122		7,568	0.174		12,492	0.287		401	0.009			
Crossing 2 MP 1683.52	39.83722	-76.251129	Waters	Stream	WW-T02-013	Fishing Creek	P	HQ-CWF, MF	50' Floodway and 100 year floodplain	Y	Y	N	Jan. 1 - Feb. 28; June 16 - Sept 30	N	-	66	10	185	0.004	0.039	616	0.014	0.169	767	0.018	0.198	34	0.001	0.010	0.06	Pipeline/ LOD	Dry, Open Cut and Timber Mats/Bridge
				Floodway											-	-	121	1,507	0.035		6,759	0.155		7,877	0.181		390	0.009			
			Wetlands		W-T02-012A-1	-	PEM	EV	-	-	-	-			N	-	22	0	0.000	0.000	1,200	0.028	0.028	1,122	0.026	0.026	78	0.002	0.002			
			Waterbodies		WB-T02-012	-	N/A	-	-	Y	Y	N			-	-	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	0.000	281	0.006	0.050	267	0.006	0.048	14	0.000	0.002	0.20	Pipeline/ LOD	Dry, Open Cut and Timber Mats/Bridge
				Floodway											-	-	122	0	0.000		1,917	0.044		1,844	0.042		73	0.002				
			Wetlands		W-T02-008A-1	-	PEM	EV	-	-	-	-			Y	-	121	0	0.000	0.000	4,268	0.098	0.193	4,079	0.094	0.184	190	0.004	0.010			
					W-T02-008A-2		PEM											0	0.000		3,938	0.090		3,703	0.085		235	0.005				
					W-T02-008B-1		PSS											0	0.000		217	0.005		217	0.005		0	0.00				
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	April 2 - Sept. 30	N	-	32	2	59	0.001	0.033	64	0.001	0.086	118	0.003	0.112	5	0.000	0.008	0.53	Pipeline/ LOD	Dry, Open Cut and Timber Mats/Bridge
				Floodway											-	-	126	1,399	0.032		3,694	0.085		4,749	0.109		345	0.008				
			Wetlands		W-T02-001A-1	-	PEM	EV	-	-	-	-			Y	-	277	97	0.002	0.068	3,637	0.083	0.462	3,544	0.081	0.508	191	0.004	0.022			
					W-T02-001A-2		PEM											1,221	0.028		15,209	0.349		15,655	0.359		774	0.018				
					W-T02-001B-1		PSS											0	0.000		122	0.003		122	0.003		0	0				
					W-T02-001C-1		PFO											1,657	0.038		1,139	0.026		2,796	0.064		0	0				
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	0.06	Pipeline/ LOD	Dry, Open Cut and Timber Mats/Bridge
				Floodway											-	-	264	0	0.000		19,399	0.445		18,617	0.427		785	0.018				
			Wetlands		-	-	-	-	-	-	-	-			-	-	-	0	0.000	0	0	0.000	0	0	0.000	0.000	0	0	0.000			
Crossing 6 MP 1686.61	39.861121	-76.201796	Waters	Stream	WW-T02-006	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	-	123	27	0	0.000	0.000	1,682	0.039	0.305	1,586	0.036	0.291	96	0.002	0.014	0.04	Pipeline/ LOD	Dry, Open Cut and Timber Mats/Bridge
				Floodway											-	-	180	0	0.000		11,586	0.266		11,070	0.254		517	0.012				
			Wetlands		-	-	-	-	-	-	-	-			-	-	-	0	0.000	0	0	0.000	0.000	0	0.000	0.000	0	0.000	-			
Crossing 7 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	156	0.004	0.069	733	0.017	0.318	827	0.019	0.368	63	0.001	0.018	0.06	Pipeline/ LOD	Dry, Open Cut and Timber Mats/Bridge
				Floodway											-	-	250	2,843	0.065		13,098	0.301		15,221	0.349		720	0.017				
				Stream	WW31001	UNT to Conowingo Creek	E	HQ-CWF, MF	50' Floodway Only						-	106	2	21	0.000	0.085	211	0.005	0.339	223	0.005	0.404	8	0.000	0.020			
				Floodway											-	-	248	3,696	0.085		14,555	0.334		17,383	0.399		868	0.020				
			Wetlands		W-T02-005A-1	-	PEM	EV	-	-	-	-			N	-	27	84	0.002	0.002	1,538	0.035	0.035	1,529	0.035	0.035	93	0.002	0.002			
Crossing 8 MP 1688.1	39.872508	-76.179436	Waters	Stream	-	Stewart Run	-	HQ-CWF, MF	-	-	-	-	Year Round	N	-	-	-	0	0.000	0	0	0	0	0	0.000	0.000	0	0	0.000	0.36	Pipeline/ LOD	Dry, Open Cut and Timber Mats/Bridge
				Floodway											-	-	-															
			Wetlands		W-T02-009A-1	-	PEM	OTHER	-	-	-	-			N	-	226	289	0.007	0.071	2,421	0.056	0.294	2,539	0.058	0.347	171	0.004	0.018			
					W-T02-009A-2	-	PEM		-	-	-	-						2,810	0.065		10,375	0.238		12,566	0.288		619	0.014				
Crossing 9 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	-	66	2	171	0.004	0.004	134	0.003	0.003	298	0.007	0.007	7	0.0000	0.000	0.49	Pipeline/ LOD	Dry, Open Cut and Timber Mats/Bridge
				Floodway											-	-	119	0	0.000		0.000	0.000		0.000	0.000		0	0				
			Wetlands		W-T02-010A-1	-	PEM	OTHER	-	-	-	-			Y	-	342	1,449	0.033	0.105	14,036	0.322	0.377	14,290	0.328	0.455	1,195	0.027	0.027			
					W-T02-010B-1	-	PSS		-	-	-	-						3,123	0.072		2,395	0.055		5,519	0.127		0.000	0.000				
Crossing 10 MP 1688.71	39.877566	-76.169788	Waters	Stream	-	Stewart Run	-	HQ-CWF, MF	-	-	-	-	Year Round	N	-	-	-	0	0.000	0	0	0.000	0	0	0.000	0.000	0.000	0	0.000	0.20	Pipeline/ LOD	Dry, Open Cut and Timber Mats/Bridge
				Floodway											-	-	-															
			Wetlands		W-T06-001A-1	-	PEM	OTHER	-	-	-	-			Y	-	112	2,315	0.053	0.053	6,578	0.151	0.151	8,502	0.195	0.195	392	0.009	0.009			
Crossing 11 MP 1689.34	39.882178	-76.159672	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	-	22	15	-	-	0.031	438	0.010	0.110	384	0.009	0.131	51	0.001	0.010	0.04	Pipeline/ LOD	Conventional Bore and Timber Mats/Bridge
				Floodway											-	-	119	1,359	0.031		4,352	0.100		5,341	0.123		364	0.008				
			Wetlands		W-T06-003A-1	-	PEM	OTHER	-	-	-	-			N	-	N/A	762	0.017	0.017	471	0.011	0.011	1,232	0.028	0.028	1	0.000	0.000			
Crossing 12 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	0.13	Pipeline/ LOD	Dry, Open Cut and Timber Mats/Bridge
				Floodway											-	-	119	1,917	0.044		7,067	0.162		8,589	0.197		396	0.009				
			Wetlands		W-T02-11A-1	-	PEM	OTHER	-	-	-	-			N	-	48	2,450	0.056	0.056	2,531	0.058	0.058	4,812	0.110	0.110	169	0.004	0.004			
Crossing 13 MP 1690.9	39.895562	-76.136389	Waters	Stream	-	UNT to Bowery Run	-	HQ-CWF, MF	-	-	-	-	Year Round	N	-	-	-	-	-	0	0	0.000	0	0.000	0.000	0.000	-	-	0.41	Pipeline/ LOD	Dry, Open Cut and Timber Mats/Bridge
				Floodway											-	-	-				0	0.000										
			Wetlands		W-T06-004A-1	-	PEM	OTHER	-	-	-	-			N	-	220	4,353	0.100	0.100	13,483	0.310	0.310	17,067	0.392	0.392	769	0.018	0.018			

1- Refers to the name of the crossing as shown in the permit application and reflects a single and complete crossing.

2 - Refers to the resource crossing location.

3 - Refers to the impact type within the application.

4 - Refers to the name of the resource as shown in the permit application

5 - Refers to the name of the waterway or associated tributary

6 - Refers to the Cowardin class of the wetland feature(Emergent, PEM; Scrub-shrub, PSS; Forested, PFO; or Open Water, POW) or the flow regime of the stream (ephemeral, intermittent, perennial)

7 - Chapter 93 - Refers to the existing and/or designated stream use as outlined in the PA Code, Title 25, Chapter 93. No streams have an existing use within the Project area. Chapter 105.17 - Refers to the whether or not the wetland is considered Exceptional value or Other as defined by the PA Code, Title 25, Chapter 105.17. Only those wetlands associated with wild trout streams are considered EV.

8 - Refers to the floodway and floodplain status of the crossing. No FEMA floodways exist within the Project area and a 50' floodway was delineated from the top-of-bank of delineated waterways. Some crossings have a 100 year floodplain boundary.

9 - Refers to the if the stream is a regulated trout water by the Pa Fish and Boat Commission, which includes, Class A Wild Trout, Approved Trout, and Naturally Reproducing (Wild) Trout. Consultation with the PFBC was completed to verify these statuses.

10 - The crossing window, as shown, was approved by the PA Fish and Boat Commission for stream crossings. Crossings impacting wetlands only were assumed to have no time of year crossing restrictions.

11 - Indicates if a Submerged Land License Agreement is required based on DEP'S List of Streams Subject to The Submerged Land License Program - September 2003 - DRAFT

12 - Refers to the presence or absence of potential bog turtle habitat within the wetland. Phase 2 Presence/Absence surveys were completed in the spring of 2017 at each of crossing with potential habitat and no turtles were found.

13 -Refers to bank to bank width or wetland width at pipeline crossings. The floodway width shown represents the total 50' floodway width, measuring from the west side to the east side of the floodway.

14 - Refers to Project impacts within the temporary workspace, outside of existing or proposed Transco rights of way.

15 - Refers to Project impacts within the permanent rights of way, both existing and proposed Transco rights ofway.

16 - Area calculated within the impacted portion of the resource using Geographical Information Systems (GIS) software, then rounded (acre calculations only).

17- Refers to PADEP Tempory Impacts for within the LOD, excluding the 42" Pipeline (which is considered permanent).

18 - Refers to PADEP Permanent Impacts for the 42" Pipeline underneath the resource.

19 - Impacts here are calculated using the total area impacted by the Project within the LOD, for streams and wetlands only (no floodways), as directed by the USACOE/SPGP-5. These acreages cover each single and complete crossing for the Project. All impacts are considered temporary for the Project as no permanent fill is to be placed in a wetland. PFO wetland conversion is proposed at Crossing 4 and a mitigation plan has been prepared and is included within the permit application. No mitigation is proposed for PSS wetland impacts.

20 - Refers to the activity being completed at the crossing. If the crossing is only impacted by the pipeline, the LOD, both, or water withdrawal.

21 - Refers to the type of crossing that is proposed at the resource crossing location including, Open Cut, Timber Mats, or other impact type.

Permit Fee Impact Summary Table

Waters Impact Summary		
Impact Type	**Temporary Impacts (ac)**	**Permanent Impacts (ac)**
Total Waterway Impacts	0.03	0.19
Total Floodway Impacts	0.41	2.07
Total Waterbody Impacts	0.01	0.00
Total Waters Impact	**0.45**	**2.26**
Wetlands Impact Summary		
PEM Impacts	0.35	1.83
PSS Impacts	0.07	0.06
PFO Impacts	0.04	0.03
Total Wetland Impacts	**0.46**	**1.92**

Total Impacts	**0.91**	**4.18**
	5.09	
Rounded Impacts for Permit Fees	**0.9**	**4.0**
	4.9	
PADEP Permit Fees	**Temporary @ $4,000/acre**	**Permanent @ $8,000/acre**
	$3,600	**$32,000**
	Adminstrative Review Fee - $1,750	

Overall DEP Aquatic Resource Impact Summary Table by Project

Waters Impact Summary		
Impact Type	**Temporary Impacts (ac)**	**Permanent Impacts (ac)**
Total Waterway	0.21	0.01
Total Floodway	2.37	0.11
Total Waterbody	0.01	0.00
Total Waters	**2.59**	**0.12**
Wetlands Impact Summary		
PEM Impacts	2.08	0.11
PSS Impacts	0.13	0.00
PFO Impacts	0.06	0.00
Total Wetland	**2.28**	**0.11**

Total Impacts	**4.87**	**0.24**
	5.10	