



Transcontinental Gas Pipe Line Company, LLC

Requirement J-2 – PA DEP Aquatic Resource Impact Table

Regional Energy Access Expansion Project – Effort Loop

April 2021

Applicant's Name: Transcontinental Gas Pipe Line Company, LLC
 Aquatic Resource Impact Table
 For PA Chapter 105 Water Obstruction and Encroachment Application
 Project Name: Regional Energy Access Expansion Project - Effort Loop

DEP USE ONLY			Project Information							PADEP / 105							
PADEP Permit Number	Single Complete Crossing No.	Crossing Number	Structure / Activity unique Identifier	Aquatic Resource Type	Latitude dd nad 83	Longitude dd nad 83	Waters Name	PA Code Chapter 93 Designation	Work Proposed	DEP Impact Type	Watercourse Impact		Floodway Impact		Wetland Impact Dimension		
											Top of Bank to Top of Bank		Top of Bank Landward		Length and Width (in feet)	Square Feet	Length and Width (in feet)
										temp / perm	Length and Width (in feet)	Square Feet	Length and Width (in feet)	Square Feet			
			W1-T5-EL-1	PEM	40.914632	-75.386530	Wetland	EV	EXCAVATION	PERM	-	-	-	-	63X30	1795	
			W1-T5-EL-1	PEM	40.914592	-75.386570	Wetland	EV	EXCAVATION	TEMP	-	-	-	-	6X42	144	
			W4-T6-EL-2	PSS	40.922671	-75.391047	Wetland	EV	EXCAVATION	PERM	-	-	-	-	29X18	447	
			W4-T6-EL-2	PEM	40.922641	-75.390990	Wetland	EV	EXCAVATION	PERM	-	-	-	-	64X23	746	
			W4-T6-EL-2	PSS	40.922653	-75.391101	Wetland	EV	EXCAVATION	TEMP	-	-	-	-	18X20	187	
			W4-T6-EL-2	PSS	40.922665	-75.391063	Wetland	EV	MATS	TEMP	-	-	-	-	5X4	16	
			S3-T5-EL-3	Ephemeral	40.923469	-75.391317	UNT to McMichael Creek	HQ-CWF, MF	EXCAVATION	PERM	67X1	64	110x62	6759	-	-	
			S3-T5-EL-3	Ephemeral	40.923455	-75.391170	UNT to McMichael Creek	HQ-CWF, MF	EXCAVATION	TEMP	15x1	13	110x13	1413	-	-	
			S3-T5-EL-3	Ephemeral	40.923487	-75.391512	UNT to McMichael Creek	HQ-CWF, MF	EXCAVATION	TEMP	40x1	39	110x50	4983	-	-	
			W1-T2-EL-4	PEM	40.926136	-75.392242	Wetland	EV	EXCAVATION	PERM	-	-	-	-	129X30	4129	
			W1-T2-EL-4	PEM	40.926227	-75.392161	Wetland	EV	EXCAVATION	TEMP	-	-	-	-	160X45	7276	
			W1-T2-EL-4	PEM	40.926194	-75.392190	Wetland	EV	MATS	TEMP	-	-	-	-	162X20	3250	
			W2-T2-EL-5	PEM	40.928566	-75.394807	Wetland	Other	EXCAVATION	PERM	-	-	-	-	47X30	1033	
			W2-T2-EL-5	PSS	40.928618	-75.394876	Wetland	Other	EXCAVATION	PERM	-	-	-	-	10X30	729	
			W2-T2-EL-5	PSS	40.928544	-75.394906	Wetland	Other	EXCAVATION	TEMP	-	-	-	-	73X20	1395	
			W2-T2-EL-5	PEM	40.928472	-75.394818	Wetland	Other	EXCAVATION	TEMP	-	-	-	-	27X12	180	
			W2-T2-EL-5	PEM/PSS	40.928552	-75.394809	Wetland	Other	MATS	TEMP	-	-	-	-	20X87	1573	
			S1-T1-EL-6	Intermittent	40.955248	-75.416529	UNT to Pohopco Creek	CWF, MF	EXCAVATION	PERM	31X3	171	10X111	4307	-	-	
			S1-T1-EL-6	Intermittent	40.955304	-75.416474	UNT to Pohopco Creek	CWF, MF	EXCAVATION	TEMP	23X10	236	112X35	3582	-	-	
			S1-T1-EL-6	Intermittent	40.955281	-75.416497	UNT to Pohopco Creek	CWF, MF	MATS	TEMP	20X10	207	25X20	489	-	-	
			S1-T2-EL-7	Perennial	40.965336	-75.427608	Sugar Hollow Creek	CWF, MF	EXCAVATION	PERM	31X15	513	50x40	2410	-	-	
			S1-T2-EL-7	Perennial	40.965319	-75.427735	Sugar Hollow Creek	CWF, MF	EXCAVATION	TEMP	36X16	578	58X35	1827	-	-	
			W1-T1-EL-7	PEM	40.965389	-75.427620	Wetland	EV	EXCAVATION	PERM	-	-	-	-	24X13	191	
			W1-T1-EL-7	PSS	40.965367	-75.427653	Wetland	EV	EXCAVATION	PERM	-	-	-	-	30X15	305	
			W1-T1-EL-7	PEM	40.965222	-75.427519	Wetland	EV	EXCAVATION	PERM	-	-	-	-	96X30	2296	
			W1-T1-EL-7	PSS	40.965207	-75.427718	Wetland	EV	EXCAVATION	TEMP	-	-	-	-	64X29	1265	
			W1-T1-EL-7	PEM	40.965235	-75.427653	Wetland	EV	EXCAVATION	TEMP	-	-	-	-	42X60	1521	
			W1-T1-EL-7	PSS	40.965355	-75.427729	Wetland	EV	EXCAVATION	TEMP	-	-	-	-	15X22	294	
			W1-T1-EL-7	PEM/PSS	40.965361	-75.427690	Wetland	EV	MATS	TEMP	-	-	-	-	90X20	1324	
			S1-T2-EL-7	Perennial	40.965327	-75.427675	Sugar Hollow Creek	CWF, MF	MATS	TEMP	20X17	383	18X20	263	-	-	
			S4-T2-EL-8	Intermittent	40.982684	-75.442405	UNT to Poplar Creek	CWF, MF/EV, MF	EXCAVATION	PERM	-	-	162X39	5517	-	-	
			S2-T1-EL-9	Perennial	41.004156	-75.460868	UNT to Poplar Creek	CWF, MF/EV, MF	EXCAVATION	PERM	40X30	1075	130X40	3972	-	-	
			S2-T1-EL-9	Perennial	41.004191	-75.460767	UNT to Poplar Creek	CWF, MF/EV, MF	EXCAVATION	TEMP	23X22	518	131X36	3407	-	-	
			W2-T1-EL-9	PEM	41.004165	-75.460948	Wetland	EV	EXCAVATION	PERM	-	-	-	-	13X5	51	
			W2-T1-EL-9	PEM	41.004106	-75.460900	Wetland	EV	EXCAVATION	PERM	-	-	-	-	3X9	17	
			W2-T1-EL-9	PEM	41.004132	-75.460811	Wetland	EV	EXCAVATION	PERM	-	-	-	-	2X2	1	
			W2-T1-EL-9	PEM	41.004150	-75.460721	Wetland	EV	EXCAVATION	TEMP	-	-	-	-	46X18	508	
			W2-T1-EL-9	PEM	41.004150	-75.460722	Wetland	EV	MATS	TEMP	-	-	-	-	16X20	281	
			S2-T1-EL-9	Perennial	41.004167	-75.460835	UNT to Poplar Creek	CWF, MF/EV, MF	MATS	TEMP	20X23	473	68X20	617	-	-	
			S5-T2-EL-10	Perennial	41.013872	-75.474616	UNT to Mud Run	HQ-CWF, MF	EXCAVATION	PERM	40X10	385	-	-	-	-	
			S5-T2-EL-10	Perennial	41.013936	-75.474539	UNT to Mud Run	HQ-CWF, MF	EXCAVATION	TEMP	23X8	199	-	-	-	-	
			W9-T2-EL-10	PEM	41.013742	-75.474500	Wetland	EV	EXCAVATION	PERM	-	-	-	-	140X20	1915	
			W9-T2-EL-10	PEM	41.013987	-75.474836	Wetland	EV	EXCAVATION	PERM	-	-	-	-	176X16	1699	
			W9-T2-EL-10	PFO	41.013986	-75.474767	Wetland	EV	EXCAVATION	PERM	-	-	-	-	90X35	1779	
			W9-T2-EL-10	PFO	41.013711	-75.474394	Wetland	EV	EXCAVATION	PERM	-	-	-	-	140X28	1920	
			W9-T2-EL-10	PFO	41.013993	-75.474697	Wetland	EV	EXCAVATION	PERM	-	-	-	-	90X35	818	
			W9-T2-EL-10	PFO	41.013755	-75.474387	Wetland	EV	EXCAVATION	PERM	-	-	-	-	140X28	1430	
			W9-T2-EL-10	PFO	41.013793	-75.474324	Wetland	EV	EXCAVATION	TEMP	-	-	-	-	47X37	5067	
			W9-T2-EL-10	PFO	41.014024	-75.474623	Wetland	EV	EXCAVATION	TEMP	-	-	-	-	70X35	2551	
			W9-T2-EL-10	PFO	41.013768	-75.474350	Wetland	EV	MATS	TEMP	-	-	-	-	229X20	4420	
			S5-T2-EL-10	Perennial	41.013894	-75.474590	UNT to Mud Run	HQ-CWF, MF	MATS	TEMP	20X8	172	-	-	-	-	
			W12-T2-EL-11	PEM	41.029724	-75.495298	Wetland	EV	EXCAVATION	PERM	-	-	-	-	19X28	547	
			W12-T2-EL-11	PFO	41.029762	-75.495272	Wetland	EV	EXCAVATION	PERM	-	-	-	-	21X20	230	
			W12-T2-EL-11	PFO	41.029775	-75.495237	Wetland	EV	EXCAVATION	PERM	-	-	-	-	21X20	153	
			W12-T2-EL-11	PFO	41.029824	-75.495179	Wetland	EV	EXCAVATION	TEMP	-	-	-	-	35X17	585	
			W14-T2-EL-11	PEM	41.044145	-75.513301	Wetland	Other	EXCAVATION	PERM	-	-	-	-	122X16	1037	
			W12-T2-EL-11	PFO	41.029802	-75.495210	Wetland	EV	MATS	TEMP	-	-	-	-	20X16	318	
			W4-T3-EL-12	PEM	41.044526	-75.514189	Wetland	Other	EXCAVATION	PERM	-	-	-	-	13X11	157	
			W4-T3-EL-12	PFO	41.044563	-75.514171	Wetland	Other	EXCAVATION	PERM	-	-	-	-	11X28	234	
			W4-T3-EL-12	PFO	41.044604	-75.514156	Wetland	Other	EXCAVATION	PERM	-	-	-	-	11X28	113	
			W4-T3-EL-12	PFO	41.044659	-75.514154	Wetland	Other	EXCAVATION	TEMP	-	-	-	-	30X22	496	
			W4-T3-EL-12	PFO	41.044625	-75.514159	Wetland	Other	MATS	TEMP	-	-	-	-	20X22	382	
			S7-T2-EL-13	Intermittent	41.048008	-75.518996	UNT to Tunkhannock Creek	HQ-CWF, MF	EXCAVATION	PERM	-	-	81X20	1213	-	-	
			S7-T2-EL-13	Intermittent	41.048077	-75.518915	UNT to Tunkhannock Creek	HQ-CWF, MF	EXCAVATION	TEMP	-	-	50X105	4719	-	-	
			S7-T2-EL-13	Intermittent	41.048077	-75.518915	UNT to Tunkhannock Creek	HQ-CWF, MF	EXCAVATION	TEMP	-	-	50X105	16	-	-	
			S8-T2-EL-13	Ephemeral	41.048763	-75.519724	UNT to Tunkhannock Creek	HQ-CWF, MF	EXCAVATION	TEMP	-	-	49X18	507	-	-	
			S8-T2-EL-13	Ephemeral	41.048763	-75.519724	UNT to Tunkhannock Creek	HQ-CWF, MF	EXCAVATION	TEMP	-	-	8x8	70	-	-	
			S8-T2-EL-13	Ephemeral	41.048763	-75.519724	UNT to Tunkhannock Creek	HQ-CWF, MF	EXCAVATION	TEMP	-	-	2x1	2	-	-	

Applicant's Name: Transcontinental Gas Pipe Line Company, LLC
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 For PA Chapter 105 Water Obstruction and Encroachment Application
 Project Name: Regional Energy Access Expansion Project - Effort Loop

DEP USE ONLY			Project Information							PADEP / 105							
PADEP Permit Number	Single Complete Crossing No.	Crossing Number	Structure / Activity unique Identifier	Aquatic Resource Type	Latitude dd nad 83	Longitude dd nad 83	Waters Name	PA Code Chapter 93 Designation	Work Proposed	DEP Impact Type	Watercourse Impact		Floodway Impact		Wetland Impact Dimension		
											Top of Bank to Top of Bank		Top of Bank Landward		Length and Width (in feet)	Square Feet	Length and Width (in feet)
										temp / perm	Length and Width (in feet)	Square Feet	Length and Width (in feet)	Square Feet			
			W15-T2-EL-13	PFO	41.047444	-75.518228	Wetland	EV	EXCAVATION	PERM	-	-	-	-	40X8	126	
			W15-T2-EL-13	PFO	41.047582	-75.518401	Wetland	EV	EXCAVATION	PERM	-	-	-	-	6X2	7	
			W15-T2-EL-13	PFO	41.047572	-75.518304	Wetland	EV	EXCAVATION	TEMP	-	-	-	-	35X118	2359	
			W3A-T1-EL-13	PFO	41.048324	-75.519235	Wetland	Other	EXCAVATION	TEMP	-	-	-	-	20X12	201	
			W3-T1-EL-13	PEM	41.048194	-75.519350	Wetland	EV	EXCAVATION	PERM	-	-	-	-	846X20	13025	
			W3-T1-EL-13	PFO	41.048273	-75.519353	Wetland	EV	EXCAVATION	PERM	-	-	-	-	23X19	436	
			W3-T1-EL-13	PFO	41.048667	-75.519895	Wetland	EV	EXCAVATION	PERM	-	-	-	-	150X23	1938	
			W3-T1-EL-13	PEM	41.047175	-75.518059	Wetland	EV	EXCAVATION	PERM	-	-	-	-	32X9	113	
			W3-T1-EL-13	PFO	41.048439	-75.519566	Wetland	EV	EXCAVATION	PERM	-	-	-	-	10X4	1	
			W3-T1-EL-13	PFO	41.048479	-75.519621	Wetland	EV	EXCAVATION	PERM	-	-	-	-	12X22	3	
			W3-T1-EL-13	PFO	41.048447	-75.519550	Wetland	EV	EXCAVATION	PERM	-	-	-	-	10X4	55	
			W3-T1-EL-13	PFO	41.048487	-75.519592	Wetland	EV	EXCAVATION	PERM	-	-	-	-	12X22	86	
			W3-T1-EL-13	PFO	41.048700	-75.519879	Wetland	EV	EXCAVATION	PERM	-	-	-	-	150X23	1520	
			W3-T1-EL-13	PFO	41.048786	-75.519881	Wetland	EV	EXCAVATION	TEMP	-	-	-	-	35X130	4490	
			W3-T1-EL-13	PFO	41.048357	-75.519327	Wetland	EV	EXCAVATION	TEMP	-	-	-	-	39X7	295	
			W3-T1-EL-13	PFO	41.048528	-75.519546	Wetland	EV	EXCAVATION	TEMP	-	-	-	-	60X35	1441	
			W3-T1-EL-13	PEM	41.048944	-75.520117	Wetland	EV	EXCAVATION	TEMP	-	-	-	-	45X54	2072	
			W15-T2-EL-13	PFO	41.047566	-75.518300	Wetland	EV	MATS	TEMP	-	-	-	-	117X20	1573	
			W3A-T1-EL-13	PFO	41.048324	-75.519235	Wetland	Other	MATS	TEMP	-	-	-	-	9X10	70	
			W3-T1-EL-13	PEM/PFO	41.048297	-75.519456	Wetland	EV	MATS	TEMP	-	-	-	-	287X20	4608	
			W4A-T1-EL-14	PEM	41.050714	-75.522531	Wetland	EV	EXCAVATION	PERM	-	-	-	-	13X1	16	
			W4A-T1-EL-14	PEM	41.050763	-75.522472	Wetland	EV	EXCAVATION	TEMP	-	-	-	-	45X16	749	
			W4-T1-EL-14	PEM	41.049845	-75.521475	Wetland	EV	EXCAVATION	PERM	-	-	-	-	857X30	24614	
			W4-T1-EL-14	PEM	41.049200	-75.520457	Wetland	EV	EXCAVATION	TEMP	-	-	-	-	45X116	3897	
			W4-T1-EL-14	PEM	41.049668	-75.521078	Wetland	EV	EXCAVATION	TEMP	-	-	-	-	303X45	7784	
			W4-T1-EL-14	PEM	41.050174	-75.521727	Wetland	EV	EXCAVATION	TEMP	-	-	-	-	130X47	4695	
			W4-T1-EL-14	PEM	41.050554	-75.522298	Wetland	EV	EXCAVATION	TEMP	-	-	-	-	104X16	403	
			W4A-T1-EL-14	PEM	41.050762	-75.522473	Wetland	EV	MATS	TEMP	-	-	-	-	17X20	334	
			W4-T1-EL-14	PEM	41.049795	-75.521341	Wetland	EV	MATS	TEMP	-	-	-	-	470X20	6934	
			W6-T1-EL-15	PEM	41.051051	-75.523047	Wetland	Other	EXCAVATION	PERM	-	-	-	-	149X30	3788	
			W6-T1-EL-15	PEM	41.050941	-75.522824	Wetland	Other	EXCAVATION	PERM	-	-	-	-	1X1	0	
			W6-T1-EL-15	PEM	41.051053	-75.522957	Wetland	Other	EXCAVATION	TEMP	-	-	-	-	28X7	110	
			W6-T1-EL-15	PEM	41.051164	-75.523099	Wetland	Other	EXCAVATION	TEMP	-	-	-	-	22X6	141	
			S4-T1-EL-16	Perennial	41.052974	-75.525420	UNT to Tunkhannock Creek	HQ-CWF, MF	EXCAVATION	TEMP	-	-	50X38	1650	-	-	
			S4-T1-EL-16	Perennial	41.052736	-75.525269	UNT to Tunkhannock Creek	HQ-CWF, MF	EXCAVATION	PERM	17X5	97	70X40	2531	-	-	
			S4-T1-EL-16	Perennial	41.052772	-75.525315	UNT to Tunkhannock Creek	HQ-CWF, MF	EXCAVATION	PERM	22X6	152	47X40	1693	-	-	
			S4-T1-EL-16	Perennial	41.052788	-75.525200	UNT to Tunkhannock Creek	HQ-CWF, MF	EXCAVATION	TEMP	33X6	245	18X12	116	-	-	
			S4-T1-EL-16	Perennial	41.052867	-75.525318	UNT to Tunkhannock Creek	HQ-CWF, MF	EXCAVATION	TEMP	43X8	314	52X35	1772	-	-	
			W10-T1-EL-16	PEM	41.052948	-75.525568	Wetland	Other	EXCAVATION	PERM	-	-	-	-	40X15	606	
			W10-T1-EL-16	PEM	41.052981	-75.525499	Wetland	Other	EXCAVATION	TEMP	-	-	-	-	6X7	32	
			W8-T1-EL-16	PEM	41.052697	-75.525299	Wetland	EV	EXCAVATION	PERM	-	-	-	-	11X7	78	
			W8-T1-EL-16	PEM	41.052728	-75.525348	Wetland	EV	EXCAVATION	PERM	-	-	-	-	11X7	63	
			W8-T1-EL-16	PSS	41.052778	-75.525332	Wetland	EV	EXCAVATION	PERM	-	-	-	-	27X3	79	
			W8-T1-EL-16	PSS	41.052756	-75.525288	Wetland	EV	EXCAVATION	PERM	-	-	-	-	17X13	172	
			W8-T1-EL-16	PSS	41.052720	-75.525266	Wetland	EV	EXCAVATION	PERM	-	-	-	-	18X6	75	
			W8-T1-EL-16	PSS	41.052946	-75.525347	Wetland	EV	EXCAVATION	TEMP	-	-	-	-	64X7	479	
			W8-T1-EL-16	PSS	41.052851	-75.525251	Wetland	EV	EXCAVATION	TEMP	-	-	-	-	47X40	1694	
			W8-T1-EL-16	PSS	41.052766	-75.525201	Wetland	EV	EXCAVATION	TEMP	-	-	-	-	26X6	151	
			W8-T1-EL-16	PEM	41.052879	-75.525197	Wetland	EV	EXCAVATION	TEMP	-	-	-	-	6X6	25	
			W10-T1-EL-16	PEM	41.052950	-75.525565	Wetland	Other	MATS	TEMP	-	-	-	-	4X3	9	
			W8-T1-EL-16	PSS	41.052922	-75.525345	Wetland	EV	MATS	TEMP	51X20	1012	-	-	-	-	
			S4-T1-EL-16	Perennial	41.052773	-75.525220	UNT to Tunkhannock Creek	HQ-CWF, MF	MATS	TEMP	20X8	166	-	-	-	-	
			S4-T1-EL-16	Perennial	41.052836	-75.525317	UNT to Tunkhannock Creek	HQ-CWF, MF	MATS	TEMP	8X20	194	52X20	1326	-	-	
			S2-T5-EL-AR-1	Ephemeral	40.917613	-75.387308	UNT to McMichael Creek	HQ-CWF, MF	EXCAVATION	TEMP	25'X3'	21	25'X103'	2896	-	-	
			S4-T1-EL-AR-2	Perennial	41.052620	-75.525817	UNT to Tunkhannock Creek	HQ-CWF, MF	EXCAVATION	TEMP	25X3	82	120X23	2848	-	-	
			S4-T1-EL-AR-2	Perennial	41.052620	-75.525817	UNT to Tunkhannock Creek	HQ-CWF, MF	MATS	TEMP	25X3	69	120X23	496	-	-	

Summary of Aquatic Resource Impacts (Matting)	Square Feet	Acres
Temporary Stream Impacts	1,664	0.04
Temporary Floodway Impacts	3,191	0.07
Temporary Wetland Impacts	26,104	0.60

Summary of Aquatic Resource Impacts (Excavation)	Square Feet	Acres
Temporary Stream Impacts	2,245	0.05
Permanent Stream Impacts	2,457	0.06
Temporary Floodway Impacts	29,808	0.68
Permanent Floodway Impacts	28,402	0.65
Temporary Wetland Impacts	52,485	1.20
Permanent Wetland Impacts	70,575	1.62
Total Temporary Impacts	84,538	1.94
Total Permanent Impacts	101,434	2.33