Waterbodies Crossed by the PennEast Pipeline Project within the Delaware River Basin in New Jersey – Delineated and Desktop Review

Facility / Mile Post[1]	Facility/ Mile Post[2]	County	Latitude (dd nad83)[i]	Longitude (dd nad83)[i]	Waterbody Name[ii]	Waterbody ID[iii]	FERC Class[iv]	Waters Types[v]	Stream Type[vi]	NJDEP Water Quality Class[vii]	Regulated Riparian Zone[viii]	Crossing Width[ix,13,14,15]	Square Feet Affected		Instream Construction Period[x]	Proposed Crossing Method[xi]	Alignment Sheet, Plan, or Figure #
													Perm ROW	Perm. ROW			
PennEast Mainline – Delaware River Basin																	
77.7	77.9	Hunterdon	40.583798	-75.192695	Delaware River	051415_SQ_1001_P_MA	Major	TNW	P	Zone1E*	50	256	0.000	0.009	6/1-9/30	HDD	000-03-01-156
79	79.2	Hunterdon	40.575939	-75.169481	UNT to Delaware River	NJ-NHD-123	Minor	RPW	P	FW2-TPC1	50	4	0.003	0.005	6/1 - 9/15	Dry Crossing	000-03-01-158
80	80.2	Hunterdon	40.572991	-75.156050	UNT to Delaware River	NJ-NHD-130	Minor	RPW	P	FW2-TPC1	300	8	0.005	0.009	6/1 - 9/15	Dry Crossing	000-03-01-160
80.2	80.4	Hunterdon	40.573501	-75.153254	UNT to Delaware River	NJ-NHD-131	Minor	RPW	P	FW2-NT	50	3	0.002	0.003	7/1-9/30	Dry Crossing	000-03-01-161
80.1	80.3	Hunterdon	40.574910	-75.149425	UNT to Delaware River	NJ-NHD-216	Minor	RPW	P	FW2-NT	50	6	0.003	0.005	7/1-9/30	Dry Crossing	000-03-01-161
80.4	80.6	Hunterdon	40.576601	-75.143591	UNT to Delaware River	NJ-NHD-218	Minor	RPW	P	FW2-NT	50	6	0.005	0.010	7/1-9/30	Dry Crossing	000-03-01-162
80.4	80.6	Hunterdon	40.576919	-75.142913	UNT to Delaware River	NJ-NHD-132	Minor	RPW	P	FW2-NT	50	5	0.003	0.006	7/1-9/30	Dry Crossing	000-03-01-162
81.2	81.4	Hunterdon	40.581756	-75.131046	UNT to Delaware River	NJ-NHD-134	Minor	RPW	P	FW2-NT	50	3	0.002	0.003	7/1-9/30	Dry Crossing	000-03-01-163
81.7	81.9	Hunterdon	40.581004	-75.122297	UNT to Delaware River	S-SUR-136	Minor	RPW	P	FW2-NT	50	8	0.005	0.009	7/1-9/30	BORE	000-03-01-164
82	81.9	Hunterdon	40.580936	-75.117501	UNT to Delaware River	S-SUR-137	Minor	RPW	P	FW2-TPC1	300	3	0.002	0.003	6/1 - 9/15	Dry Crossing	000-03-01-164
82.1	82	Hunterdon	40.581167	-75.115504	UNT to Spring Mills Brook	052015_JC_1001_E_MI	Minor	NPRW	E	FW2-TPC1	300	7	0.005	0.010	6/1 - 9/15	Dry Crossing	000-03-01-166
82.4	82.3	Hunterdon	40.581900	-75.109064	Spring Mills Brook	NJ-NHD-138	Intermediate	RPW	P	FW2-TPC1	300	11	0.007	0.014	6/1 - 9/15	Dry Crossing	000-03-01-165
82.4	82.3	Hunterdon	40.582071	-75.109092	UNT to Spring Mills Brook	S-SUR-139	Minor	RPW	P	FW2-TPC1	300	3	0.002	0.005	6/1 - 9/15	Dry Crossing	000-03-01-165
82.8	82.7	Hunterdon	40.581783	-75.101871	UNT to Spring Mills Brook	NJ-NHD-140	Intermediate	RPW	P	FW2-TPC1	300	16	0.011	0.022	6/1 - 9/15	Dry Crossing	000-03-01-166
83.3	83.2	Hunterdon	40.582238	-75.093595	Hakihokake Creek	NJ-NHD-008	Intermediate	RPW	P	FW2-TPC1	300	46	0.025	0.055	6/1 - 9/15	BORE	000-03-01-167
83.9	83.8	Hunterdon	40.581675	-75.080980	Hakihokake Creek UNT	NJ-NHD-142	Minor	RPW	P	FW2-TPC1	300	6	0.003	0.007	6/1 - 9/15	Dry Crossing	000-03-01-168
84.5	84.4	Hunterdon	40.575813	-75.074036	UNT to Delaware River	S-SUR-144	Minor	RPW	P	FW2-NT	50	5	0.005	0.015	7/1-9/30	Dry Crossing	000-03-01-169
84.8	84.7	Hunterdon	40.574543	-75.068871	UNT to Delaware River	NJ-NHD-225	Minor	RPW	P	FW2-NT	50	3	0.002	0.003	7/1-9/30	Dry Crossing	000-03-01-170
85.4	85.3	Hunterdon	40.571768	-75.060233	UNT to Delaware River	NJ-NHD-232	Minor	RPW	P	FW2-TMC1	300	7	0.005	0.010	6/16- 9/30	Dry Crossing	000-03-01-171
85.6	85.5	Hunterdon	40.570014	-75.056850	Harihokake Creek	NJ-NHD-240	Intermediate	RPW	P	FW2-TMC1	300	91	0.046	0.103	6/16- 9/30	Dry Crossing	000-03-01-172
85.8	85.7	Hunterdon	40.567367	-75.056385	UNT to Harihokake Creek	NJ-NHD-245	Minor	RPW	P	FW2-TMC1	300	5	0.003	0.009	6/16- 9/30	Dry Crossing	000-03-01-172
86.3	86.2	Hunterdon	40.561471	-75.059816	Harihokake Creek	NJ-NHD-247	Intermediate	RPW	P	FW2-TMC1	300	66	0.039	0.076	6/16- 9/30	Dry Crossing	000-03-01-172.1
86.7	85.9	Hunterdon	40.557564	-75.061861	UNT to Harihokake Creek	091014_WA_1004_I_MI	Minor	RPW	I	FW2-TMC1	300	8	0.004	0.008	6/16- 9/30	Dry Crossing	000-03-01-172.2
86.7	85.9	Hunterdon	40.556444	-75.061816	UNT to Harihokake Creek	091014_WA_1015_E_MI	Minor	NRPW	E	FW2-TMC1	300	12	0.006	0.013	6/16- 9/30	Dry Crossing	000-03-01-173
87.6	86.8	Hunterdon	40.545023	-75.061436	UNT to Harihokake Creek	091014_WA_1016_E_MI	Intermediate	NRPW	E	FW2-TMC1	300	20	0.011	0.023	6/16- 9/30	Dry Crossing	000-03-01-174
87.6	86.8	Hunterdon	40.546605	-75.065169	Hakihokake Creek	NJ-NHD-009	Intermediate	RPW	P	FW2-TMC1	300	57	0.028	0.066	6/16- 9/30	Dry Crossing	000-03-01-175
88	87.2	Hunterdon	40.541073	-75.059136	UNT to Delaware River	NJ-NHD-154	Minor	RPW	P	FW2-NT	50	6	0.008	0.016	7/1-9/30	Dry Crossing	000-03-01-175
88.5	87.7	Hunterdon	40.536297	-75.049020	Nishisakawick Creek	091114_WA_1001_P_IM	Intermediate	RPW	P	FW2-TMC1	300	59	0.026	0.066	6/16- 9/30	BORE	000-03-01-175
88.6	87.8	Hunterdon	40.534301	-75.046659	UNT to Nishisakawick Creek	051515_SQ_1002_P_IN	Intermediate	RPW	P	FW2-NTC1	300	80	0.041	0.097	7/1-9/30	Dry Crossing	000-03-01-176
89.2	88.4	Hunterdon	40.527176	-75.042623	Little Nishisakawick Creek	NJ-NHD-014	Intermediate	RPW	P	FW2-NTC1	300	22	0.009	0.025	7/1-9/30	Dry Crossing	000-03-01-177
89.2	88.4	Hunterdon	40.527135	-75.042623	UNT to Little Nishisakawick Creek	091114_WA_1008_E_MI	Minor	NRPW	E	FW2-NTC1	300	77	0.000	0.001	7/1-9/30	Dry Crossing	000-03-01-177
89.6	88.8	Hunterdon	40.522806	-75.040350	UNT to Little Nishisakawick Creek	091114_WA_1004_I_MI	Minor	RPW	I	FW2-NTC2	300	10	0.006	0.011	7/1-9/30	Dry Crossing	000-03-01-178
89.6	88.8	Hunterdon	40.522520	-75.040403	UNT to Little Nishisakawick Creek	091114_WA_1003_I_MI	Minor	RPW	I	FW2-NTC1	300	8	0.006	0.011	7/1-9/30	Dry Crossing	000-03-01-178
89.7	88.9	Hunterdon	40.521109	-75.039746	UNT to Little Nishisakawick Creek	S-SUR-158	Minor	RPW	P	FW2-NTC1	300	3	0.003	0.006	7/1-9/30	Dry Crossing	000-03-01-178
90.3	89.5	Hunterdon	40.511139	-75.039506	UNT to Copper Creek	NJ-NHD-159	Intermediate	RPW	P	FW2-NT	50	17	0.010	0.024	7/1-9/30	Dry Crossing	000-03-01-179
AR 89.6		Hunterdon	40.510588	-75.043205	Copper Creek	NJ-NHD-160	Intermediate	RPW	P	FW2-NT	50	17	0.012	0.000	7/1-9/30	Dry Crossing	000-03-01-180
90.5	89.7	Hunterdon	40.509729	-75.035665	Copper Creek	NJ-NHD-016	Intermediate	RPW	P	FW2-NT	50	14	0.009	0.016	7/1-9/30	Dry Crossing	000-03-01-180

Facility / Mile Post[1]	Facility/ Mile Post[2]	County	Latitude (dd nad83)[i]	Longitude (dd nad83)[i]	Waterbody Name[ii]	Waterbody ID[iii]	FERC Class[iv]	Waters Types[v]	Stream Type[vi]	NJDEP Water Quality Class[vii]	Regulated Riparian Zone[viii]	Crossing Width[ix,13,14,15]	Square Feet Affected		Instream Construction Period[x]	Proposed Crossing Method[xi]	Alignment Sheet, Plan, or Figure #
													Perm ROW	Perm. ROW			
92.3	91.5	Hunterdon	40.489986	-75.018655	Lockatong Creek	NJ-HND-248	Intermediate	RPW	P	FW2-NTC1	300	75	0.000	0.003	7/1-9/30	HDD	000-03-01-187
92.3	91.5	Hunterdon	40.489448	-75.018708	Lockatong Creek	NJ-HND-248	Intermediate	RPW	P	FW2-NTC1	300	85	0.000	0.003	7/1-9/30	HDD	000-03-01-187
92.9	92.4	Hunterdon	40.480374	-75.017171	Lockatong Creek	NJ-HND-248	Intermediate	RPW	P	FW2-NTC1	300	32	0.000	0.001	7/1-9/30	HDD	000-03-01-187
93.1	92.6	Hunterdon	40.477417	-75.016432	Lockatong Creek	NJ-NHD-162	Intermediate	RPW	P	FW2-NTC1	300	85	0.000	0.003	7/1-9/30	HDD	000-03-01-188
93.7	93.2	Hunterdon	40.471693	-75.011566	UNT to Lockatong Creek	051915_SQ_1001_P_MI	Minor	RPW	P	FW2-NT	50	8	0.004	0.006	7/1-9/30	Dry Crossing	000-03-01-187
93.9	93.4	Hunterdon	40.467910	-75.011385	UNT to Lockatong Creek	NJ-NHD-165	Intermediate	RPW	P	FW2-NTC1	300	18	0.013	0.021	7/1-9/30	Dry Crossing	000-03-01-187
95	94.5	Hunterdon	40.456502	-74.997015	UNT to Wickecheoke Creek	S-SUR-166	Minor	RPW	P	FW2-NTC1	50	5	0.003	0.006	7/1-9/30	Dry Crossing	000-03-01-189
95.1	94.6	Hunterdon	40.456073	-74.996201	UNT to Wickecheoke Creek	S-SUR-167	Minor	RPW	P	FW2-NTC1	50	3	0.002	0.003	7/1-9/30	Dry Crossing	000-03-01-189
95.6	95.1	Hunterdon	40.449701	-74.992082	UNT to Wickecheoke Creek	NJ-NHD-168	Intermediate	RPW	P	FW2-NTC1	300	14	0.011	0.019	7/1-9/30	Dry Crossing	000-03-01-190
95.8	95.3	Hunterdon	40.448666	-74.987702	UNW	NJ-NHD-019	Intermediate	N/A	POND	N/A	50	110	0.063	0.115	7/1-9/30	Dry Crossing	000-03-01-191
96.6	96.1	Hunterdon	40.437907	-74.978734	UNT to Wickecheoke Creek	NJ-NHD-169	Intermediate	RPW	P	FW2-TMC1	300	16	0.010	0.020	6/16- 9/30	Dry Crossing	000-03-01-192
96.8	96.3	Hunterdon	40.437907	-74.978734	UNT to Wickecheoke Creek	NJ-NHD-169	Minor	RPW	P	FW2-TMC1	300	8	0.005	0.010	6/16- 9/30	Dry Crossing	000-03-01-192
97.3	96.8	Hunterdon	40.432635	-74.971764	UNT to Wickecheoke Creek	NJ-NHD-171	Minor	RPW	P	FW2-TMC1	300	7	0.004	0.009	6/16- 9/30	Dry Crossing	000-03-01-194
97.3	96.8	Hunterdon	40.427780	-74.976308	Wickecheoke Creek	NJ-NHD-021	Intermediate	RPW	P	FW2-TMC1	300	71	0.008	0.081	6/16- 9/30	BORE	000-03-01-194
97.3	96.8	Hunterdon	40.431085	-74.971784	Wickecheoke Creek	NJ-NHD-172	Intermediate	RPW	P	FW2-TMC1	300	12	0.003	0.000	6/16- 9/30	BORE	000-03-01-194
97.8	97.3	Hunterdon	40.426135	-74.965308	UNT to Wickecheoke Creek	NJ-NHD-173	Intermediate	RPW	P	FW2-TMC1	300	11	0.008	0.016	6/16- 9/30	Dry Crossing	000-03-01-195
99	98.5	Hunterdon	40.414381	-74.950952	UNT to Delaware and Raritan Canal	NJ-NHD-174	Minor	RPW	P	FW2-NT	50	9	0.006	0.014	7/1-9/30	Dry Crossing	000-03-01-197
99.6	99.1	Hunterdon	40.405681	-74.947141	UNT to Alexauken Creek	NJ-NHD-175	Minor	RPW	P	FW2-TMC1	300	6	0.004	0.008	6/16- 9/30	Dry Crossing	000-03-01-198
100.2	99.7	Hunterdon	40.400680	-74.943846	UNT to Alexauken Creek	NJ-NHD-176	Intermediate	RPW	P	FW2-TMC1	300	23	0.016	0.031	6/16- 9/30	Dry Crossing	000-03-01-199
100.3	99.8	Hunterdon	40.397785	-74.940794	UNT to Alexauken Creek	NJ-NHD-177	Minor	RPW	P	FW2-TMC1	300	6	0.005	0.008	6/16- 9/30	Dry Crossing	000-03-01-200
100.4	99.9	Hunterdon	40.397031	-74.938412	UNT to Alexauken Creek	NJ-NHD-178	Minor	RPW	P	FW2-TMC1	300	10	0.006	0.012	6/16- 9/30	Dry Crossing	000-03-01-200
100.7	100.2	Hunterdon	40.392682	-74.938318	Alexauken Creek	NJ-NHD-024	Intermediate	RPW	P	FW2-TMC1	300	45	0.004	0.051	6/16- 9/30	Dry Crossing	000-03-01-201
100.8	100.3	Hunterdon	40.388440	-74.931440	UNT to Alexauken Creek	NJ-NHD-181	Intermediate	RPW	P	FW2-TMC1	300	18	0.011	0.021	6/16- 9/30	Dry Crossing	000-03-01-201
101.2	100.7	Hunterdon	40.392195	-74.935618	UNT to Alexauken Creek	NJ-NHD-182	Intermediate	RPW	P	FW2-TMC1	300	12	0.009	0.014	6/16- 9/30	Dry Crossing	000-03-01-202
101.5	101	Hunterdon	40.386085	-74.927486	UNT to Alexauken Creek	S-SUR-184	Minor	RPW	P	FW2-TMC1	300	7	0.005	0.008	6/16- 9/30	Dry Crossing	000-03-01-202
101.8	101.3	Hunterdon	40.382215	-74.924325	UNT to Swan Creek	052815_SQ_1001_P_MI	Intermediate	RPW	P	FW2-NT	50	20	0.006	0.022	7/1-9/30	Dry Crossing	000-03-01-203
102.4	101.9	Hunterdon	40.373581	-74.925233	UNT to Swan Creek	NJ-NHD-186	Minor	RPW	P	FW2-NT	50	7	0.009	0.013	7/1-9/30	Dry Crossing	000-03-01-204
103.4	102.9	Hunterdon	40.361593	-74.925568	Swan Creek	NJ-NHD-189	Minor	RPW	P	FW2-NT	50	8	0.011	0.020	7/1-9/30	Dry Crossing	000-03-01-206
103.4	102.9	Hunterdon	40.361866	-74.926897	UNT to Swan Creek	NJ-NHD-188	Intermediate	RPW	P	FW2-NT	50	15	0.009	0.025	7/1-9/30	Dry Crossing	000-03-01-206
103.4	102.9	Hunterdon	40.359924	-74.925566	UNT to Swan Creek	NJ-NHD-191	Minor	RPW	P	FW2-NT	50	15	0.005	0.011	7/1-9/30	Dry Crossing	000-03-01-206
105.1	104.6	Mercer	40.338799	-74.919354	UNT to Moores Creek	S-SUR-194	Minor	RPW	P	FW2-TM	150	4	0.015	0.024	6/16- 9/30	BORE	000-03-01-210
105.3	104.8	Mercer	40.339665	-74.916287	UNT to Moores Creek	NJ-NHD-195	Intermediate	RPW	P	FW2-TM	150	14	0.003	0.006	6/16- 9/30	Dry Crossing	000-03-01-210
105.8	105.3	Mercer	40.335963	-74.907068	UNT to Moores Creek	060315_SQ_1005_P_MI	Minor	RPW	P	FW2-TM	150	5	0.004	0.007	6/16- 9/30	Dry Crossing	000-03-01-211
106.1	105.6	Mercer	40.334613	-74.900266	Moores Creek	060415_SQ_1003_P_IN	Intermediate	RPW	P	FW2-TM	150	49	0.000	0.002	6/16- 9/30	HDD	000-03-01-212
106.4	105.9	Mercer	40.333969	-74.894944	UNT to Moores Creek	060415_SQ_1005_P_MI	Minor	RPW	P	FW2-TM	150	5	0.000	0.005	6/16- 9/30	HDD	000-03-01-212
108	107.5	Mercer	40.329925	-74.866623	UNT Fiddlers Creek	S-SUR-198	Minor	RPW	P	FW2-TM	150	3	0.002	0.003	6/16- 9/30	Dry Crossing	000-03-01-215
108.3	107.8	Mercer	40.329091	-74.860435	UNT Fiddlers Creek	S-SUR-199	Minor	RPW	P	FW2-TM	150	3	0.001	0.001	6/16- 9/30	Dry Crossing	000-03-01-216
108.6	108.1	Mercer	40.328430	-74.855345	UNT to Fiddlers Creek	060315_SQ_1009_I_MI	Minor	RPW	I	FW2-TM	150	1	0.001	0.004	6/16- 9/30	Dry Crossing	000-03-01-216
108.8	108.3	Mercer	40.326825	-74.851585	Fiddlers Creek	NJ-NHD-200	Minor	RPW	I	FW2-TM	150	6	0.026	0.063	6/16- 9/30	Dry Crossing	000-03-01-217

Facility / Mile Post[1]	Facility/ Mile Post[2]	County	Latitude (dd nad83)[i]	Longitude (dd nad83)[i]	Waterbody Name[ii]	Waterbody ID[iii]	FERC Class[iv]	Waters Types[v]	Stream Type[vi]	NJDEP Water Quality Class[vii]	Regulated Riparian Zone[viii]	Crossing Width[ix,13,14,15]	Square Feet Affected		Instream Construction Period[x]	Proposed Crossing Method[xi]	Alignment Sheet, Plan, or Figure #
													Perm ROW	Perm. ROW			
109.6	109.1	Mercer	40.325822	-74.837077	Jacobs Creek	061015_SQ_1007_P_IN	Intermediate	RPW	P	FW2-NT	50	41	0.013	0.045	7/1-9/30	Dry Crossing	000-03-01-219
110	109.5	Mercer	40.323465	-74.830207	UNT to Jacobs Creek	061015_SQ_1001_I_MI	Minor	RPW	I	FW2-NT	50	3	0.001	0.003	7/1-9/30	Dry Crossing	000-03-01-220
Lambertville 36-inch Lateral – Delaware River Basin																	
0.1	N/A	Hunterdon	40.387445	-74.931547	UNT to Alexauken Creek	NJ-NHD-182	Minor	RPW	P	FW2-TMC1	300	5	0.002	0.005	6/16- 9/30	Dry Crossing	000-03-01-202
0.4	N/A	Hunterdon	40.391817	-74.927274	UNT to Alexauken Creek	NJ-NHD-183	Minor	RPW	P	FW2-TMC1	300	4	0.004	0.008	6/16- 9/30	Dry Crossing	000-03-01-236
0.8	N/A	Hunterdon	40.396716	-74.921747	UNT to Alexauken Creek	NJ-NHD-179	Minor	RPW	P	FW2-TMC1	300	7	0.004	0.008	6/16- 9/30	Dry Crossing	000-03-01-237

[1] Milepost values reflective of restationing to include route variations implemented since September FERC submission.
[2] Milepost values calculated using station equations to relate current route to the route at the time of the September FERC submission.
[i] Latitude and Longitude are in Decimal Degrees (dd) North American Datum (nad83).
[ii] USGS National Hydrology Database (NHD) Data (USGS, 2014), New Jersey Surface Water Quality Standards (NJDEP 2010).
a = Delineated waterbody; b = Designates partial waterbody delineations at time of writing; c = NHD water that crosses an un-surveyed area near a delineated feature, potential for these features to be the same.
[iii] USGS National Hydrology Database (NHD) Data (USGS, 2014), New Jersey Surface Water Quality Standards (NJDEP 2010).
Waterbody IDs were generated during field delineation or were assigned based on GIS data (NHD or SWQS) to the closest northern milepost.
[iv] Wetland and Waterbody Construction and Mitigation Procedures (FERC, 2013).
FERC classifies waterbodies as any natural or artificial stream, river, or drainage with perceptible flow at the time of crossing, and other permanent waterbodies such as ponds and lakes: "minor waterbody" (Minor) includes all waterbodies less than or equal to 10 feet wide at the water's edge at the time of crossing; "intermediate waterbody" (Intermediate) includes all waterbodies greater than 10 feet wide but less than or equal to 100 feet wide at the water's edge at the time of crossing; and "major waterbody" (Major) includes all waterbodies greater than 100 feet wide at the water's edge at the time of crossing. FERC Classifications for NHD waterbodies were determined by measuring the distance of the waterbody at the crossing point using aerial photographs. If the stream was not visible on the aerial photograph the stream was designated as minor, with a crossing distance of "<10.0" feet. Classification may change based on conditions at time of construction.
[v] Section 10 waters per Army Corps of Engineers Data (USACE, 2010), Section 404 Guidelines (USACE, 2011).
[a] = TNW also refers to Section 10 waters per Army Corps of Engineers data; all other waterbodies fall under Section 404 guidelines (USACE, 2010; USACE, 2011)
Key:
TNW = Traditional Navigable Waters, including territorial seas
NA = Non-Jurisdictional Waters; waters are exclusively regulated by NJDEP per New Jersey Administrative Code 7:13.
[vi] USGS National Hydrology Database (NHD) Data (USGS, 2014).
For delineated streams, perennial/intermittent/ephemeral determinations were made based on channel definition, i.e., having a defined bed and bank, and by determination of stream flow using geomorphic, hydrological and biological indicators, utilizing the North Carolina Division of Water Quality (2005) identification methods as guidelines. For NHD waterbodies, perennial/intermittent/ephemeral designations were assigned in the NHD data layer.
Key:
P = Perennial, I = Intermittent, E = Ephemeral
[vii] New Jersey Surface Water Quality Standards (NJDEP 2010).
Delaware River Designation per Delaware River Basin Commission, (DRBC, 2015)
Key:
UNT = Unnamed Tributary
FW2-NTC1 = Freshwater, non-trout, Category 1
FW2-TMC1 = Freshwater , trout-maintenance, Category 1
FW2-TPC1 = Freshwater, trout-production, Category 1
FW2-NT = Freshwater, non-trout
[viii] Per New Jersey Administrative Code 7:13-10.2. Regulated Riparian Zones are:
-300 feet along Category 1 streams and their tributaries within the same USGS HUC-14 watershed
-150 feet along trout production waters and all upstream tributaries; trout maintenance waters and tributaries within one mile upstream; waters flowing through an area containing documented habitat for a threatened or endangered species of plant or animal, which is critically dependent on the regulated water for survival (and tributaries within one mile upstream); and waters that flow through an area that contains acid producing soils
-50 feet along all other streams
[ix] Crossing width based on waters at time of delineation or aerial photography for NHD waters and may vary at time of construction.
[a] = Total crossing width between Pennsylvania and New Jersey.
[x] Per FERC Guidelines, or State restrictions where more strict – see Resource Report 3
[xi] Dry crossing methods include: 1) Flumed Crossing and 2) Dam and Pump Crossing; Modified Dry crossing method (Mainline crew completes trenching using Flumed or Dam and Pump method, then flume is installed; lowering-in crew removes flume and completes lowering-in of pipe and backfilling of waterbody using Flumed or Dam and Pump Method); Wet crossing method or Open Cut Crossing (trenching and backfilling in the waterbody-not including blasting or other rock breaking measures-is complete within 24 hours).
[13] The approximate crossing width is measured at the pipeline centerline and does not represent the width of the stream. In instances where a stream will not be crossed by the pipeline centerline, the crossing width provided is the average width of the stream within the Projects study area.
[14] FERC stream classifications are based on FERC's Wetland and Waterbody Construction and Mitigation Procedures definition of minor, intermediate and major waterbodies. Minor = waterbodies less than or equal to 10 feet wide; Intermediate = waterbodies greater than 10 feet wide but less than or equal to 100 feet wide; Major = greater than 100 feet wide.
[15] Per Pennsylvania State Programmatic General Permit-4 (PASGP-4) (Revised September 29, 2015) definition for Linear Footage of Stream Impact, the linear footage of stream impact is whichever measurement is greater, the measurement from the top of bank to the top of the opposite bank or the measurement from the upstream to downstream limits of work.