

Response to Paragraph 3 of Administrative Order

Summary

The attached listing represents crossings where the pipeline has been installed or is planned to be installed through or under a stream resource that has a trout fishery designation. In addition to the information that the Department requested SPLP provide in Exhibit 1, SPLP has also included two additional columns that list the presence of and compliance with the timing restrictions for specified stream crossings imposed by the Pennsylvania Fish & Boat Commission (“PAFBC”) or the Department, as reflected and included in the permit application materials for the Mariner East 2 project. As the Department is aware, not all of the trout streams that the Mariner East 2 project have or will cross have timing or seasonal restrictions.

The following provides further explanation for the responses provided in the attached Exhibit 1.

Date Construction Initiated and Completed Columns

The column that lists “Date Construction Initiated” reflects the date that trenching and lowering of the pipe into the trench began with respect to trenched construction methods, or with respect to trenchless construction, the date when the pilot hole for the HDD or bore was started. The column that lists “Date Construction Completed” reflects the date that backfilling of the trench was completed, or with respect to trenchless construction, the day the pipe was pulled-in or completed. In some cases, direct impact of the stream was avoided because the stream started or aligned along the edge of the limit of disturbance (“LOD”). Those cases are noted as such with “avoided” as the entry.

Where SPLP has not yet installed the pipe, then “Not installed” is entered. In spread 1, no 16” pipe is being installed, and therefore “No 16” Pipe” is entered. Where the pipe was not installed through or under the stream, however a temporary bridge was needed to facilitate installation, “n/a” is entered for the construction dates.

The Department requested Daily Construction Logs as an attachment to Exhibit 1. Daily Construction Logs do not exist. Therefore, a variety of data sources were used to identify the initiation and completion dates as set forth on the table. Dates were determined based on pipe welding, coating, lowering-in, and pull-back data, as well as communication with the Construction Project Manager, Construction Spread Managers, Environmental Inspectors, and Professional Geologists. For crossings listed as not installed or completed, SPLP may be using the permitted temporary bridge at that location. SPLP will continue to adhere to the in-stream work timing restrictions as imposed by the PAFBC or the Department, as reflected and included in the project’s permit application materials.

Permitted Method of Pipe Installation Column

The permitted crossing method entered for these fields explains the crossing method as provided to the Department within the Chapter 105 application Waterbody Impact Summary tables.

Utilized Method of Pipe Installation Column

Where SPLP has not yet installed the pipe, then “n/a” is entered. SPLP did not include those crossings where construction was started and abandoned or is currently under review by the Department as a permit modification. The notation “Dry Crossing (Bridge Only)” indicates that the pipe was not installed through or under the stream, however a temporary bridge was needed to facilitate installation.

Fishery Designations

The entry provided is the designation provided to the Department within the Chapter 105 Waterbody Impact Summary tables. The corresponding entries are as follows:

- ATW = Approved Trout Water
- STS = Stocked Trout Stream
- TNR = Trout Natural Reproduction or Wild Trout Stream
- Class A = Class A Water
- WTS = Wilderness Trout Stream

Where delineated streams are not directly classified according to PAFBC data, they have been designated as “drains to” as that information was provided with the application tables.

Available Photographs

The Chapter 105 and 102 permits do not require “during construction” photographs, and therefore not all crossings have these photographs. However, they have been provided to the extent they are available. The notation “n/a” is placed for all areas for the “after construction” photographs where both pipes are planned but have not yet been installed.

EXHIBIT 1
Crossings of a wild trout, stocked and wild trout fishery, stocked trout fishery, and Class A trout fishery

Stream ID#	Stream Name	Coordinates	Spread #	County	Municipality	Date Construction Initiated		Date Construction Completed		Permitted Method of pipe installation	Utilized Method of pipe installation	Fishery Designation	Seasonal Restriction	Complied with Restriction	E&S Plan Sheet Number	Available Photographic Record		
						20" pipe	16" pipe	20" pipe	16" pipe							Before	During	After
S-H21	UNT to Rock Run	40.2041, -75.9175	5	Berks	Robeson	7/31/2017	7/31/2017	9/9/2017	8/16/2017	Bore/Temporary Bridge	FlexBor	Drains to ATW, TNR	Yes	Yes	ES-5.54	X	n/a	X
S-H22	UNT to Rock Run	40.209, -75.9259	5	Berks	Brecknock	9/17/2017	9/17/2017	9/17/2017	9/17/2017	Dry Crossing	Dry Crossing	Drains to ATW, TNR	Yes	Yes	ES-5.52	X	n/a	X
S-H23	Rock Run	40.2094, -75.9263	5	Berks	Brecknock	9/17/2017	9/17/2017	9/17/2017	9/17/2017	Dry Crossing	Dry Crossing	TNR, Drains to ATW	Yes	Yes	ES-5.52	X	n/a	X
S-O89	UNT to Hay Creek	40.1888, -75.8886	5	Berks	New Morgan	Not Installed	Not Installed	Not Installed	Not Installed	Bore	n/a	Drains to ATW, Class A, TNR	No	n/a	ES-5.60	X	n/a	n/a
S-O90	UNT to Hay Creek	40.189, -75.8909	5	Berks	New Morgan	Not Installed	Not Installed	Not Installed	Not Installed	Dry Crossing	n/a	Drains to ATW, Class A, TNR	Yes	n/a	ES-5.60	X	n/a	n/a
S-B79	UNT to Valley Creek	40.0327, -75.6187	6	Chester	West Whiteland	Not Installed	Not Installed	Not Installed	Not Installed	HDD	n/a	Drains to ATW, STS	Waived	n/a	ES-6.47, 6.48	X	n/a	n/a
S-B81	Valley Creek	40.0314, -75.62	6	Chester	West Whiteland	Not Installed	Not Installed	Not Installed	Not Installed	HDD	n/a	ATW, Drains to STS	Waived	n/a	ES-6.47	X	n/a	n/a
S-C59	UNT to Valley Creek	40.0379, -75.6328	6	Chester	West Whiteland	Not Installed	Not Installed	Not Installed	Not Installed	HDD	n/a	Drains to ATW, STS	Waived	n/a	ES-6.44, 6.45	X	n/a	n/a
S-C60	UNT to Valley Creek	40.0377, -75.6326	6	Chester	West Whiteland	Not Installed	Not Installed	Not Installed	Not Installed	HDD	n/a	Drains to ATW, STS	Waived	n/a	ES-6.45	X	n/a	n/a
S-C61	UNT to Valley Creek	40.0383, -75.6339	6	Chester	West Whiteland	Not Installed	Not Installed	Not Installed	Not Installed	HDD/Temporary Bridge	n/a	Drains to ATW, STS	Waived	n/a	ES-6.44	X	n/a	n/a
S-C63	UNT to Valley Creek	40.0477, -75.6503	6	Chester	Uwchlan	Not Installed	Not Installed	Not Installed	Not Installed	HDD	n/a	Drains to ATW, STS	Waived	n/a	ES-6.41	X	n/a	n/a
S-C64	UNT to Valley Creek	40.0496, -75.6552	6	Chester	Uwchlan	Not Installed	Not Installed	Not Installed	Not Installed	HDD/Temporary Bridge	n/a	Drains to ATW, STS	Waived	n/a	ES-6.40	X	n/a	n/a
S-C66	UNT to Valley Creek	40.0368, -75.6288	6	Chester	West Whiteland	Not Installed	Not Installed	Not Installed	Not Installed	Dry Crossing/Temporary Bridge	n/a	Drains to ATW, STS	Waived	n/a	ES-6.45	X	n/a	n/a
S-C67	UNT to Shamona Creek	40.0636, -75.6813	6	Chester	Uwchlan	Not Installed	Not Installed	Not Installed	Not Installed	HDD	n/a	Drains to TNR	Waived	n/a	ES-6.35	X	n/a	n/a
S-C68	UNT to Shamona Creek	40.0634, -75.681	6	Chester	Uwchlan	Not Installed	Not Installed	Not Installed	Not Installed	HDD	n/a	Drains to TNR	Waived	n/a	ES-6.35	X	n/a	n/a
S-C69	UNT to Shamona Creek	40.0632, -75.6803	6	Chester	Uwchlan	Not Installed	Not Installed	Not Installed	Not Installed	HDD	n/a	Drains to TNR	Waived	n/a	ES-6.35	X	n/a	n/a
S-C72	UNT to Black Horse Creek	40.0845, -75.7203	6	Chester	Upper Uwchlan	Not Installed	Not Installed	Not Installed	Not Installed	Dry Crossing	n/a	Drains to TNR	Yes	n/a	ES-6.27	X	n/a	n/a
S-C73	Black Horse Creek	40.0852, -75.7227	6	Chester	Upper Uwchlan	Not Installed	Not Installed	Not Installed	Not Installed	Dry Crossing	n/a	TNR	Yes	n/a	ES-6.26	X	n/a	n/a
S-H3	UNT to Shamona Creek	40.0642, -75.6824	6	Chester	Uwchlan	Not Installed	Not Installed	Not Installed	Not Installed	HDD	n/a	Drains to TNR	Waived	n/a	ES-6.34	X	n/a	n/a
S-H4	UNT to Shamona Creek	40.0644, -75.6825	6	Chester	Uwchlan	Not Installed	Not Installed	Not Installed	Not Installed	HDD	n/a	Drains to TNR	Waived	n/a	ES-6.34	X	n/a	n/a
S-H5	Shamona Creek	40.0615, -75.6776	6	Chester	Uwchlan	Not Installed	Not Installed	Not Installed	Not Installed	HDD	n/a	TNR	No	n/a	ES-6.35	X	n/a	n/a
S-B36	UNT to Chester Creek	39.9437, -75.502	6	Delaware	Edgmont	Not Installed	Not Installed	Not Installed	Not Installed	Dry Crossing	n/a	Drains to ATW, STS	Waived	n/a	ES-6.03	X	n/a	n/a
S-B37	UNT to Chester Creek	39.9421, -75.4982	6	Delaware	Edgmont	Not Installed	Not Installed	Not Installed	Not Installed	Dry Crossing	n/a	Drains to ATW, STS	Waived	n/a	ES-6.03, 6.04	X	n/a	n/a
S-B38	UNT to Chester Creek	39.9418, -75.4974	6	Delaware	Edgmont	Not Installed	Not Installed	Not Installed	Not Installed	Dry Crossing	n/a	Drains to ATW, STS	Waived	n/a	ES-6.03, 6.04	X	n/a	n/a
S-B52	UNT to Chester Creek	39.9408, -75.4943	6	Delaware	Edgmont	Not Installed	Not Installed	Not Installed	Not Installed	HDD	n/a	Drains to ATW, STS	Waived	n/a	ES-6.04	X	n/a	n/a
S-B54	UNT to Chester Creek	39.9405, -75.4942	6	Delaware	Edgmont	Not Installed	Not Installed	Not Installed	Not Installed	HDD	n/a	Drains to ATW, STS	Waived	n/a	ES-6.04	X	n/a	n/a
S-B55	UNT to Chester Creek	39.9405, -75.4947	6	Delaware	Edgmont	Not Installed	Not Installed	Not Installed	Not Installed	HDD	n/a	Drains to ATW, STS	Waived	n/a	ES-6.04	X	n/a	n/a
S-C16	UNT to Chester Creek	39.9042, -75.4454	6	Delaware	Middletown	Not Installed	Not Installed	Not Installed	Not Installed	Dry Crossing/Temporary Bridge	n/a	Drains to ATW, STS	Waived	n/a	ES-6.17	X	n/a	n/a
S-C23	UNT to Chester Creek	39.9054, -75.4469	6	Delaware	Middletown	Not Installed	Not Installed	Not Installed	Not Installed	HDD	n/a	Drains to ATW, STS	Waived	n/a	ES-6.16	X	n/a	n/a
S-C24	UNT to Chester Creek	39.9067, -75.448	6	Delaware	Middletown	Not Installed	Not Installed	Not Installed	Not Installed	HDD	n/a	Drains to ATW, STS	Waived	n/a	ES-6.16	X	n/a	n/a
S-C25	UNT to Chester Creek	39.9065, -75.448	6	Delaware	Middletown	Not Installed	Not Installed	Not Installed	Not Installed	HDD	n/a	Drains to ATW, STS	Waived	n/a	ES-6.16	X	n/a	n/a
S-C26	UNT to Rocky Run	39.9077, -75.4505	6	Delaware	Middletown	Not Installed	Not Installed	Not Installed	Not Installed	HDD	n/a	Drains to TNR	Waived	n/a	ES-6.16	X	n/a	n/a
S-C40	UNT to Chester Creek	39.9156, -75.4595	6	Delaware	Middletown	Not Installed	Not Installed	Not Installed	Not Installed	HDD	n/a	Drains to ATW, STS	Waived	n/a	ES-6.13	X	n/a	n/a
S-C42	UNT to Chester Creek	39.9206, -75.4637	6	Delaware	Middletown	Not Installed	Not Installed	Not Installed	Not Installed	HDD	n/a	Drains to ATW, STS	Waived	n/a	ES-6.12	X	n/a	n/a
S-C43	UNT to Chester Creek	39.9274, -75.47	6	Delaware	Edgmont	11/1/2017	12/13/2017	11/1/2017	12/13/2017	Dry Crossing	Dry Crossing	Drains to ATW, STS	Waived	n/a	ES-6.10	X	X	X
S-C44	Rocky Run	39.9102, -75.4571	6	Delaware	Middletown	Not Installed	Not Installed	Not Installed	Not Installed	Dry Crossing	n/a	TNR	Yes	n/a	ES-6.14	X	n/a	n/a
S-H34	UNT to Chester Creek	39.8737, -75.4125	6	Delaware	Middletown	9/11/2017	9/11/2017	9/13/2017	9/13/2017	Dry Crossing	Dry Crossing	Drains to STS*	Yes	n/a	ES-6.26	X	X	X
S-H37	Chester Creek	39.87, -75.4111	6	Delaware	Middletown	Not Installed	Not Installed	Not Installed	Not Installed	HDD	n/a	ATW, STS	Waived	n/a	ES-6.26, 6.27	X	n/a	n/a
S-H39	UNT to Chester Creek	39.8687, -75.4104	6	Delaware	Aston	Not Installed	Not Installed	Not Installed	Not Installed	Clearing LOD	n/a	Drains to ATW, STS	Waived	n/a	ES-6.27	X	n/a	n/a
S-H41	Chester Creek	39.8659, -75.4069	6	Delaware	Aston	Not Installed	Not Installed	Not Installed	Not Installed	HDD	n/a	ATW, STS	Waived	n/a	ES-6.28	X	n/a	n/a
S-I2	UNT to Chester Creek	39.8942, -75.4314	6	Delaware	Middletown	Not Installed	Not Installed	Not Installed	Not Installed	HDD/Temporary Bridge	n/a	Drains to ATW, STS	Yes	n/a	ES-6.20	X	n/a	n/a
S-I5	UNT to Chester Creek	39.8919, -75.4293	6	Delaware	Middletown	9/29/2017	9/8/2017	9/29/2017	9/8/2017	Dry Crossing/Temporary Bridge	Dry Crossing/Temporary Bridge	Drains to ATW, STS	Yes	Yes	ES-6.21	X	X	X
S-I6	UNT to Chester Creek	39.892, -75.4294	6	Delaware	Middletown	9/29/2017	9/8/2017	9/29/2017	9/8/2017	Dry Crossing/Temporary Bridge	Dry Crossing/Temporary Bridge	Drains to ATW, STS	Yes	Yes	ES-6.21	X	X	X