

ATTACHMENT 8:

OFF SITE  
DISCHARGE  
ANALYSIS

# Attachment 8 – Section E.5 -Off Site Discharge Analysis

## Pennsylvania Pipeline Project - South West Region: Spreads 1 & 2

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## TABLE OF CONTENTS

<b>Section</b>	<b>Page</b>
LIST OF ATTACHMENTS.....	2
LIST OF ACRONYMS .....	2
PENNSYLVANIA PIPELINE PROJECT – OFF-SITE DISCHARGES OF STOMRWATER TO AREAS THAT ARE NOT SURFACE WATERS.....	3
PUMP STATIONS .....	3
BLOCK VALVES .....	3
MAINLINE.....	3

## LIST OF ATTACHMENTS

- 1 Table 1 – Off-Site Discharge to Non Surface Water Locations

## LIST OF ACRONYMS

### ACRONYM MEANING

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BMP	Best Management Practice
E&SC	Erosion and Sediment Control
LOD	Limit of Disturbance
PCSM	Post-Construction Stormwater Management
ROW	Right of way

## **PENNSYLVANIA PIPELINE PROJECT – OFF-SITE DISCHARGES OF STORMWATER TO AREAS THAT ARE NOT SURFACE WATERS**

The Pennsylvania Pipeline Project involves the installation of two parallel pipelines within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, PA to SPLP's Marcus Hook facility in Delaware County, PA with the purpose of interconnecting with existing SPLP Mariner East pipelines. A 20-inch diameter pipeline would be installed within the ROW from Houston to Marcus Hook (306 miles) and a second, 16-inch diameter pipeline, will also be installed in the same ROW. The second line is proposed to be installed from SPLP's Delmont Station, Westmoreland County, PA to the Marcus Hook facility, paralleling the initial line for approximately 255 miles. Spread 6 (South East Region) of this project are cross through Washington, Allegheny, Westmoreland, Indiana and Cambria Counties, PA.

Throughout the length of the pipeline there are areas which propose to discharge stormwater to off-site areas other than a surface water. All of these discharges will be non-erosive to adjacent property owners and is detailed in the E&SC and PCSM plans as per DEP Document No. 3140-FS-DEP4124.

### **PUMP STATIONS**

*Ebensburgh Station* – Cambria County - This Pump Station includes two off-site discharges to areas other than surface water. Both the E&SC and PCSM plans ensure that the discharges will not cause erosion, damage, or a nuisance to off-site properties through the installation outlet protection which meets the design parameters in PADEP documents 363-2134-008 and 363-0300-002. These measures are detailed in the respective plans.

### **BLOCK VALVES**

There are no off-site discharges to areas other than surface water for any of the block valves.

### **MAINLINE**

There are several locations along the length of the pipeline which have off-site discharges to areas other than surface waters and a list of these locations can be found in table 1. All of these discharges are from waterbars installed throughout the length of the pipeline installation. These water bars are designed in accordance with the PADEP's Erosion and Sediment Pollution Control Program Manual (363-2134-008) and the Pennsylvania Stormwater Best Management Practices manual (363-0300-002) and is a non-erosive discharge. Details of these measures can be found in the E&SC plan.

**TABLE 1:  
Off-Site Discharge to Non Surface Water Locations**

E&S SHEET NUMBER	Watershed	STATIONING
<b>WASHINGTON</b>		
ES - 1.07	Chartiers Creek	90+00 through 93+50
ES - 1.08	Chartiers Creek	103+50 through 109+00
ES-1.09 & ES 1.10	Chartiers Creek	129+80 through 145+00
ES - 1.16	Chartiers Creek	237+50 through 249+00
ES - 1.18 & ES- 1-19	Chartiers Creek	284+00 through 288+00
ES - 1.20	Chartiers Creek	312+50 through 315+00
1.21	Chartiers Creek	337+00 through 338+00
ES - 1.24	Chartiers Creek	381+00 through 386+00
ES- 1.28	Chartiers Creek	452+00 through 465+00
ES- 1.32	Chartiers Creek	528+00 through 537+50
ES - 1.33	Chartiers Creek	548+00 through 554+00
ES - 1.42	Mingo Creek	707+00 through 714+00
ES - 1.44	Mingo Creek	732+50 through 736+50
ES - 1.48 & ES - 1.49	Mingo Creek	813+50 through 822+00
ES - 1.49 & ES - 1.50	Mingo Creek	828+50 through 840+50
ES - 1.50 & ES - 1.51	Mingo Creek	844+00 through 853+50
ES - 1.51	Mingo Creek	855+00 through 864+00
ES- 1.55	Mingo Creek	935+50 through 937+00
ES- 1.57	Mingo Creek	956+00 through 963+00
ES- 1.58	Mingo Creek	987+50 through 988+50
<b>ALLEGHENY</b>		
ES- 1.03	Monogahela River	1045+00 through 1046+00
ES- 1.06	Monogahela River	1095+00 through 1103+00
ES - 1.09	Monogahela River	1136+00 through 1151+50
ES- 1.12 & ES- 1.13	Monogahela River	1197+50 through 1202+00
ES - 1.13 & ES - 1.14	Monogahela River	1205+00 through 1221+00
ES - 1.14	Monogahela River	1223+00 through 1235+00
ES - 1.15	Monogahela River	1238+00 through 1250+00
ES - 1.23	Monogahela River	1368+00 through 1372+00
ES- 1.23	Youghiogheny River	1372+00 through 1382+00

**TABLE 1:  
Off-Site Discharge to Non Surface Water Locations**

E&S SHEET NUMBER	Watershed	STATIONING
<b>WESTMORELAND</b>		
ES - 1.02	Youghiogheny River	1500+00 through 1505+00
ES - 1.05, 1.06	Youghiogheny River	1560+50 through 1566+00
ES - 1.09, 1.10	Sweickley Creek	1620+50 through 1673+00
ES - 1.10, 1.11	Sweickley Creek	1642+50 through 1659+00
ES - 1.13 & ES - 1.14	Sweickley Creek	1688+00 through 1695+50
ES - 1.14	Sweickley Creek	1711+00 through 1715+50
ES - 1.16	Sweickley Creek	1738+50 through 1741+50
ES - 1.16	Sweickley Creek	1746+50
ES - 1.20	Sewickley Creek	1805+00 through 1806+00
ES - 1.24	Sewickley Creek	1865+00 through 1880+50
ES - 1.27, 1.28	Sewickley Creek	1914+00 through 1939+00
ES - 1.30, 1.31	Sewickley Creek	1965+50 through 1985+00
ES - 1.41	Brush Creek	2168+50 through 2172+50
ES - 1.44, 1.45	Brush Creek	2231+50 through 2248+00
ES - 1.52	Brush Creek	2357+50 through 2368+00
ES - 1.60	Turtle Creek	2497+50 through 2499+00
ES - 1.61	Turtle Creek	2506+50 through 2511+00
ES - 1.64	Turtle Creek	2560+00 through 2572+00
ES - 1.67	Turtle Creek	2610+00 through 2621+00
ES - 1.68, 1.69	Turtle Creek	2636+00 through 2658+00
ES - 2.05	Beaver Run	2774+00 through 2779+00
ES - 2.16	Loyalhanna Creek	2968+00 through 2971+00
ES - 2.19	Loyalhanna Creek	3013+00 through 3017+00
ES- 2.17	Loyalhanna Creek	3144+00 through 3154+50
ES- 2.29	Conemaugh River	3178+50 through 3179+50
ES - 2.34	Conemaugh River	3226+50 through 3259+00
ES- 2.38	Conemaugh River	3325+00 and 3334+00
ES - 2.42, ES- 2.43	Conemaugh River	3396+00 through 3408+50
<b>INDIANA</b>		
ES - 2.05	Blacklick Creek	3580+00 through 3582+50

**TABLE 1:  
Off-Site Discharge to Non Surface Water Locations**

<b>E&amp;S SHEET NUMBER</b>	<b>Watershed</b>	<b>STATIONING</b>
ES -2.08	Conemaugh River	3623+00 through 3634+00
ES - 2.09	Blacklick Creek	3648+00 through 3650+00
ES - 2.11	Blacklick Creek	3676+00 through 3686+00
ES - 2.12	Blacklick Creek	3689+50 through 3692+00
ES - 2.14, ES - 2.15	Blacklick Creek	3724+50 through 3749+50
ES- 2.15	Blacklick Creek	HDD Pull Back Area
ES-2.18	Blacklick Creek	HDD Pull Back Area through 3792+50
ES- 2.19	Conemaugh River	3808+00 through 3818+50
ES - 2.20, ES 2.21, ES - 2.22	Conemaugh River	3824+00 through 3856+00
ES- 2.26	Conemaugh River	3929+00 through 3933+00
ES - 2.29	Conemaugh River	3969+50
ES - 2.30, ES - 2.31	Conemaugh River	3987+00 through 4004+00
ES - 2.36	Conemaugh River	4079+00 through 4092+00
ES-2.38, ES-2.39	Conemaugh River	4120+50 through 4130+00
ES- 2.43	Conemaugh River	4197+50
ES -2.45	Conemaugh River	4240+75 through 2241+75
ES- 2.46	Conemaugh River	4246+50 through 4260+00
ES-2.48	Conemaugh River	4287+00 through 4289+50
ES-2.49, ES-2.50	Conemaugh River	3411+00 through 4316+75
ES - 2.53	Conemaugh River	4368+75
ES-2.55	Conemaugh River	4401+50 through 4409+00
ES - 2.56, 2.57	Conemaugh River	4421+00 and 4427+50 through 4430+00
ES-2.57, ES-2.58	Conemaugh River	4441+00 through 4453+50
<b>CAMBRIA</b>		
ES - 2.03	Conemaugh River	4556+00
ES - 2.04	Conemaugh River	4583+75 through 4585+00
ES - 2.07	Conemaugh River	4621+50
ES - 2.07, ES- 2.08	Conemaugh River	4629+50 through 4651+50
ES - 2.11, ES-2.12	Conemaugh River	4696+75 through 4707+00
ES - 2.15	Conemaugh River	4760+75 through 4769+50
ES - 2.17, ES-2.18	Conemaugh River	4798+50 through 4812+00



**TABLE 1:  
Off-Site Discharge to Non Surface Water Locations**

E&S SHEET NUMBER	Watershed	STATIONING
ES - 2.22	Conemaugh River	4870+75 through 4882+00
ES - 2.26	Conemaugh River	4935+00 through 4937+50
ES - 2.28	Conemaugh River	4969+50 through 4983+50
ES - 2.30	Conemaugh River	5002+00 through 5011+50
ES - 2.35	South Branch Blacklick Creek	6093+50 through 5087+25
ES - 2.37	Little Conemaugh	5126+50 through 5130+75
ES - 2.46, ES-2.47	Little Conemaugh	5267+00 through 5285+25
ES - 2.53	Little Conemaugh River	5387+00 through 5394+00
ES - 2.58	Little Conemaugh River	5468+50 through 5481+50
ES - 2.59	Little Conemaugh River	5487+50 through 5493+50
ES - 2.62	Little Conemaugh River	5545+00 through 5548+50
ES - 2.63	Little Conemaugh River	5559+00 through 5562+00
ES - 2.65	Little Conemaugh River	5596+00 through 5601+50
ES - 2.66	Little Conemaugh River	5603+00 through 5609+00
ES - 2.68	Little Conemaugh River	5645+50 through 5651+50
ES - 2.72	Little Conemaugh River	5714+00 through 5723+00
ES - 2.52	Little Conemaugh River	5374+00 through 5380+00
ES - 2.53	Little Conemaugh River	5383+50
ES - 2.53	Little Conemaugh River	5398+00

**TABLE 1:**  
**Off-Site Discharge to Non Surface Water Locations**

<b>E&amp;S SHEET NUMBER</b>	<b>Watershed</b>	<b>STATIONING</b>
ES - 2.54	Little Conemaugh River	5403+50 through 5413+50
ES - 2.55	Little Conemaugh River	5421+00 through 5425+50
ES - 2.55, 2.56	Little Conemaugh River	5430+50 through 5444+50
ES - 2.56, 2.57	Little Conemaugh River	5449+00
ES - 2.57	Little Conemaugh River	5459+00