

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

In the matter of:

Sunoco Pipeline, L.P.
535 Fritztown Road
Sinking Springs, PA 19608

: Violations of The Clean Streams Law
: and DEP Chapter 93 and 102 of Title 25
: of the Pennsylvania Code, and the Dam
: Safety and Encroachments Act and DEP
: Chapter 105 of Title 25 of the
: Pennsylvania Code
:
: PA Pipeline Project—Mariner East II
: E&S Permit Nos. ESCG0300015002;
: ESG0500015001; ESG0100015001
:
: WO&E Permit Nos. E06-701; E07-459;
: E11-352; E21-449; E23-524; E38-194;
: E63-674; E65-973

CONSENT ASSESSMENT OF CIVIL PENALTY

This Consent Assessment of Civil Penalty ("CACP") is entered into this 4th day of August 2020, by and between the Commonwealth of Pennsylvania, Department of Environmental Protection ("Department") and Sunoco Pipeline, L.P. ("Sunoco").

The Department has found and determined the following:

Parties

A. The Department is the agency with the duty and authority to administer and enforce The Clean Streams Law, Act of June 22, 1937, P.L. 1987, *as amended*, 35 P.S. §§ 691.1-691.1001 ("Clean Streams Law"); the Dam Safety and Encroachment Act, the Act of November 26, 1978 P.L. 1375, as amended, 32 P.S. §§ 693.1 et seq. ("Dam Safety and Encroachment Act"); Section

1917-A of the Administrative Code of 1929, Act of April 9, 1929, P.L. 177, *as amended*, 71 P.S. § 510-17 (“Administrative Code”); and the rules and regulations promulgated thereunder (“rules and regulations”).

B. Sunoco Pipeline, L.P. (“Sunoco”) is a foreign limited partnership doing business in Pennsylvania and maintains a mailing address of 535 Fritztown Road, Sinking Springs, PA 19608. Sunoco Logistics Partners Operations GP LLC is the general partner of Sunoco Pipeline, L.P. Joseph Colella is Executive Vice President for Sunoco Logistics Partners Operations GP LLC. Mr. Colella has been granted authority by Sunoco Logistics Partners Operations GP LLC to sign documents for Sunoco on behalf of the General Partner.

C. Sunoco owns and operates numerous pipelines in Pennsylvania used to transport petroleum and natural gas products. Sunoco has undertaken an effort to expand existing transportation systems for natural gas liquids in Pennsylvania, which is collectively referred to as the Pennsylvania Pipeline Project – Mariner East II (“PPP-ME2”). As part of PPP-ME2, Sunoco is conducting pipeline installation activities in seventeen counties in Pennsylvania, including Berks, Blair, Cambria, Cumberland, Delaware, Lebanon, Washington, Westmoreland Counties.

Permits

D. Sunoco obtained the following permits from the Department to construct PPP-ME2:

- a. Three (3) Erosion and Sediment Control Permits under 25 Pa. Code Chapter 102, Permit Numbers ESG0300015002, ESG0500015001, and ESG0100015001 (Chapter 102 Permits) and;

- b. Seventeen (17) Water Obstructions and Encroachment (“WOE”) Permits under 25 Pa. Code Chapter 105, Permit Numbers E02-1718, E06-701, E07-459, E11-352, E15-862, E21-449, E22-619, E23-524, E31-234, E32-508, E34-136, E36-945, E38-194, E50-258, E63-674, E65-973, and E67-920 (Chapter 105 Permits). Sunoco obtained one Chapter 105 Permit for each of the seventeen (17) counties in which PPP-ME2 activities will occur.

E. Sunoco obtained Erosion and Sediment Control Permit, Permit Number ESG0300015002, and Water Obstructions and Encroachment Permit, Permit Number E06-701, to construct PPP-ME2 through Berks County.

F. Sunoco obtained Erosion and Sediment Control Permit, Permit Number ESG0300015002, and Water Obstruction and Encroachment Permit, Permit Number E07-459, to construct PPP-ME2 through Blair County.

G. Sunoco obtained Erosion and Sediment Control Permit, Permit Number ESG0500015001, and Water Obstructions and Encroachment Permit, Permit Number E11-352, to construct PPP-ME2 through Cambria County.

H. Sunoco obtained Erosion and Sediment Control Permit, Permit Number ESG0300015002, and Water Obstruction and Encroachment Permit, Permit Number E21-449 to construct PPP-ME2 through Cumberland County.

I. Sunoco obtained Erosion and Sediment Control Permit, Permit Number ESG0100015001, and Water Obstructions and Encroachment Permit, Permit Number E23-524, to construct PPP-ME2 through Delaware County.

J. Sunoco obtained Erosion and Sediment Control Permit, Permit Number ESG0300015002, and Water Obstruction and Encroachment Permit, Permit Number E38-194 to construct PPP-ME2 through Lebanon County.

K. Sunoco obtained Erosion and Sediment Control Permit, Permit Number ESG0500015001, and Water Obstruction and Encroachment Permit, Permit Number E63-674 to construct PPP-ME2 through Washington County.

L. Sunoco obtained Erosion and Sediment Control Permit, Permit Number ESG0500015001, and Water Obstructions and Encroachment Permit, Permit Number E65-973, to construct PPP-ME2 through Westmoreland County.

M. For purposes of this CACP, the terms “Horizontal Directional Drilling” and “Inadvertent Return” are defined as:

- a. Horizontal Directional Drilling (“HDD”) is any steerable trenchless method used for installation of an underground pipe in an arc along a prescribed path by using a surface launched drilling rig.
- b. An Inadvertent Return (“IR”) is an unauthorized discharge of drilling fluids to the ground or surface waters, including wetlands, associated with HDD or other trenchless construction methodologies.

Sites

N. The work area for PPP-ME2 in Berks County, Pennsylvania includes the crossing of Wetland BA10 in Caernarvon Township (“Berks HDD Site”).

O. The receiving water for the Berks HDD Sites is East Branch Conestoga River, a tributary to the Conestoga River, a water of this Commonwealth. The fishery classification for the

Conestoga River basin in 25 Pa. Code § 93.9o is Warm Water Fishes (“WWF”) and Migratory Fishes (“MF”).

P. The work area for PPP-ME2 in Blair County, Pennsylvania includes the crossing of Wetland BB58 in Blair Township, and the crossing of Piney Creek in Woodbury Township (“Blair HDD Sites”).

Q. The receiving waters for the Blair HDD Sites are an UNT to Juniata River, and Piney Creek, waters of this Commonwealth. The fishery classification for the Juniata River basin in 25 Pa. Code § 93.9n is WWF, MF. The fishery classification for the Piney Creek basin in 25 Pa. Code § 93.9n is High Quality Waters-Cold Water Fishes (“HQ-CWF”), MF.

R. Piney Creek is classified as a wild trout (natural reproduction) water by the Fish and Boat Commission. See

http://www.fishandboat.com/Fish/PennsylvaniaFishes/Trout/Documents/trout_repro.pdf

S. The work area for PPP-ME2 in Cambria County, Pennsylvania includes the crossing of an unnamed tributary (“UNT”) to Stewart Run in Cambria Township, the crossing of an UNT to Hinckston Run, Wetland E2, and Wetland N24 in Jackson Township, the crossing of North Branch of Little Conemaugh, Wetland N18, and Wetland N19 in Munster Township (“Cambria HDD Sites”).

T. The receiving waters for the Cambria HDD Sites are an UNT to Stewart Run, an UNT to Hinckstown Run, and North Branch of Little Conemaugh, waters of this Commonwealth. The fishery classification for the Stewart Run basin in 25 Pa. Code § 93.9t is HQ-CWF, MF. The fishery classification for Hinckstown Run in 25 Pa. Code § 93.9t is CWF.

U. Stewart Run is classified as a wild trout (natural reproduction) water by the Fish and Boat Commission. See

http://www.fishandboat.com/Fish/PennsylvaniaFishes/Trout/Documents/trout_repro.pdf

V. The work area for PPP-ME2 in Cumberland County, Pennsylvania includes the crossing of Wetland I27 and an UNT to Yellow Breeches Creek in Lower Allen Township, and a crossing of Letort Spring Run in Middlesex Township (“Cumberland HDD Sites”).

W. The receiving water for the Cumberland HDD Site is an UNT to Yellow Breeches Creek, and Letort Spring Run, waters of this Commonwealth. The fishery classification for Yellow Breeches in 25 Pa. Code § 93.9o is CWF, MF. The fishery classification for Letort Spring Run basin in 25 Pa. Code § 93.9o is CWF, MF.

X. Letort Spring Run is classified as a wild trout (natural reproduction) water by the Fish and Boat Commission. See

http://www.fishandboat.com/Fish/PennsylvaniaFishes/Trout/Documents/trout_repro.pdf

Y. The work area for PPP-ME2 in Delaware County, Pennsylvania includes the crossing of an UNT to Chester Creek in Middletown Township (“Delaware HDD Site”).

Z. The receiving waters for the Delaware HDD Sites are an UNT to Chester Creek and Chester Creek, waters of this Commonwealth. The fishery classification for the Chester Creek basin in 25 Pa. Code § 93.9g is Trout Stocking (“TSF”), MF.

AA. The work area for PPP-ME2 in Lebanon County, Pennsylvania includes the crossing of Snitz Creek in West Cornwall Township (“Lebanon HDD Site”).

BB. The receiving water for the Lebanon HDD Site is Snitz Creek, a water of this Commonwealth. The fishery classification for the Snitz Creek basin in 25 Pa. Code § 93.9o is TSF, MF.

CC. The work area for PPP-ME2 in Washington County, Pennsylvania includes the crossings of an UNT to Peters Creek in Nottingham Township (“Washington HDD Site”).

DD. The receiving water for the Washington HDD Site is an UNT to Peters Creek, a water of this Commonwealth. The fishery classification for Peters Creek basin in 25 Pa. Code § 93.9v is TSF.

EE. The work area for PPP-ME2 in Westmoreland County, Pennsylvania includes the crossing of an UNT to Conemaugh River in Derry Township (“Westmoreland HDD Site”).

FF. The receiving water for the Westmoreland HDD Site is an UNT to Conemaugh River, a water of this Commonwealth. The fishery classification for Conemaugh River in 25 Pa. Code § 93.9v is CWF.

GG. Between August 3, 2018, and April 27, 2019, sixty-seven (67) IRs either occurred within or discharged into waters of the Commonwealth at the sites referenced above and as more fully described in Exhibit A, attached.

HH. The drilling fluids released during each of the IRs described in Exhibit A have been cleaned up at each of those sites.

Violations

II. The drilling fluids that comprised the IRs described in Exhibit A constitute Industrial Waste. Sunoco’s discharge of Industrial Waste to waters of the Commonwealth without a permit is a violation of 25 Pa. Code § 92a.1(b) and Section 301 of the Clean Streams Law, 35

P.S. § 691.301, a nuisance under Section 401 of the Clean Streams Law, 35 P.S. § 691.401, and unlawful conduct under Section 611 of the Clean Streams Law, 35 P.S. § 691.611.

JJ. Sunoco's conduct allowing the unauthorized discharge of Industrial Waste to waters of the Commonwealth, constitutes a violation of Section 301 of the Clean Streams Law, 35 P.S. § 691.301 and constitutes unlawful conduct under Section 611 of the Clean Streams Law, 35 P.S. § 691.611 and Section 18 of the Dam Safety and Encroachments Act, 32 P.S. § 693.18.

KK. The violations described in Paragraphs HH and II, above, constitute unlawful conduct under Sections 401 and 611 of the Clean Streams Law, 35 P.S. §§ 691.401 and 691.611; a statutory nuisance under Sections 401 and 601 of the Clean Streams Law, 35 P.S. §§ 691.401 and 691.601; and subject Sunoco to civil penalty liability under Section 605 of the Clean Streams Law, § 691.605. The violations in Paragraph HH also constitute unlawful conduct under Section 18 of the Dam Safety and Encroachments Act, 32 P.S. § 693.18; a statutory nuisance under Section 19 of the Dam Safety and Encroachments Act, 32 P.S. § 693.19; and subject Sunoco to civil penalty liability under Section 21 of the Dam Safety and Encroachments Act, 32 P.S. § 693.21.

After full and complete negotiation of all matters set forth in this CACP and upon mutual exchange of covenants contained herein, the parties desiring to avoid litigation and intending to be legally bound, it is hereby ASSESSED by the Department and AGREED to by Sunoco as follows:

1. **Assessment.** In resolution of the Department's claim for civil penalties, which the Department is authorized to pursue under Section 605 of The Clean Streams Law, 35 P.S. § 691.605 and Section 21 of the Dam Safety and Encroachments Act, 32 P.S. § 693.21, the Department hereby assesses a civil penalty of \$355,636.00 which Sunoco hereby agrees to pay.

2. **Civil Penalty Settlement.** Sunoco consents to the assessment of the civil penalty of THREE HUNDRED FIFTY-FIVE THOUSAND SIX HUNDRED AND THIRTY-SIX DOLLARS (\$355,636.00), which shall be paid in full upon signing this COA. This payment is in settlement of the Department's claim for civil penalties for the violations set forth in Paragraphs HH through II, above, covering the period from August 1, 2018 to July 31, 2019. The payments shall be by corporate check(s) or the like, made payable to the following: a) THREE HUNDRED FORTY-NINE THOUSAND SEVEN HUNDRED AND TWENTY-FOUR DOLLARS (\$349,724.00) to the "Commonwealth of Pennsylvania" with an annotation "Clean Water Fund" on the memo line, b) ONE HUNDRED AND FORTY-FOUR DOLLARS (\$144.00) to the "Berks County Conservation District", FOUR HUNDRED AND EIGHTY-SIX DOLLARS (\$486.00) to the "Blair County Conservation District", FOUR THOUSAND THREE HUNDRED AND EIGHTY-TWO DOLLARS (\$4,382.00) to the "Cambria County Conservation District", ONE HUNDRED AND SIXTY-NINE DOLLARS (\$169.00) to the "Cumberland County Conservation District", FOUR HUNDRED AND EIGHTY-FIVE DOLLARS (\$485.00) to the "Washington County Conservation District", and TWO HUNDRED AND FORTY-SIX DOLLARS (\$246.00) to the "Westmoreland County Conservation District." All checks shall be sent c/o Ronald C. Eberts, Jr., Environmental Protection Compliance Specialist, DEP-SCRO Waterways and Wetlands Program, 909 Elmerton Avenue, Harrisburg, PA 17110-8200.

3. **Findings.**

a. Sunoco agrees that the findings in paragraphs A. through HH. are true and correct, and in any matter or proceeding involving Sunoco or any of their affiliates and the Department, Sunoco shall not challenge the accuracy or validity of these findings.

b. The parties do not authorize any other persons to use the Findings in this CACP in any matter or proceeding.


4. **Remedies.** In the event that Sunoco fails to make the payment required by this CACP, all remaining payments shall be immediately due and payable. In that event, the Department may pursue any remedy available for failure to pay a civil penalty, including an action for breach of contract or the filing of this CACP as a lien in any county in this Commonwealth.


5. **Reservation of Rights.** The Department reserves all other rights with respect to any matter addressed by this CACP, including the right to require abatement of any conditions resulting from the events described in the Findings. Sunoco reserves the right to challenge any action which the Department may take but waives the right to challenge the content or validity of this CACP.


IN WITNESS WHEREOF, the parties hereto have caused this Consent Assessment of Civil Penalty to be executed by their duly authorized representatives. The undersigned representatives of Sunoco certify under penalty of law, as provided by 18 Pa. C.S. § 4904, that they are authorized to execute this Consent Assessment of Civil Penalty on behalf of Sunoco; that Sunoco consents to the entry of this Consent Assessment of Civil Penalty as a final ORDER of the Department; and that Sunoco hereby knowingly waives its right to appeal this Consent Assessment of Civil Penalty and to challenge its content or validity, which rights may be available under Section 4 of the Environmental Hearing Board Act, Act of July 13, 1988, P.L. 530, 35 P.S. § 7514; the Administrative Agency Law, 2 Pa. C.S. § 103(a) and Chapters 5A and 7A; or any other provisions of law. Signature by Sunoco's attorney certifies only that the agreement has been signed after consulting with counsel.

FOR SUNOCO PIPELINE, L.P.:

FOR THE COMMONWEALTH OF
PENNSYLVANIA, DEPARTMENT OF
ENVIRONMENTAL PROTECTION:

 6/19/2020
Joseph Colella Date
Senior Vice President

 8/4/2020
Domenic Rocco, P.E. Date
Environmental Program Manager

 6/22/20
Curtis N. Stambaugh, Esq. Date
Attorney for Sunoco Pipeline, L.P.

 8/4/2020
Nels J. Taber Date
Senior Litigation Counsel

EXHIBIT A

County	Municipality	Lat/Long	Resource Impacted (lake, wetland, stream)	Chapter 93 designation	Estimated Quantity of Release	Date Occurred	Date Reported
Berks	Caernarvon Twp.	40.1665°, -75.8577°	Wetland (BA10)	-	30,000 gallons	9/18/2018	9/18/2018
Blair	Woodbury Twp.	40.4315°, -78.2689°	Piney Creek	HQ-CWF	Unquantified	10/2/2018	10/2/2018
Blair	Woodbury Twp.	40.4315°, -78.2689°	Piney Creek	HQ-CWF	150 gallons	10/6/2018	10/6/2018
Blair	Woodbury Twp.	40.4315°, -78.2689°	Piney Creek	HQ-CWF	25 gallons	10/10/2018	10/10/2018
Blair	Woodbury Twp.	40.4315°, -78.2689°	Piney Creek	HQ-CWF	Unquantified	10/12/2018	10/12/2018
Blair	Woodbury Twp.	40.4315°, -78.2689°	Piney Creek	HQ-CWF	Unquantified	10/14/2018	10/14/2018
Blair	Woodbury Twp.	40.4315°, -78.2689°	Piney Creek	HQ-CWF	Unquantified	10/15/2018	10/15/2018
Blair	Woodbury Twp.	40.4315°, -78.2689°	Piney Creek	HQ-CWF	3,200 gallons*	10/14/2018	10/14/2018
Blair	Woodbury Twp.	40.4315°, -78.2689°	Piney Creek	HQ-CWF	73,400 gallons*	10/15/2018	10/15/2018
Blair	Woodbury Twp.	40.4315°, -78.2689°	Piney Creek	HQ-CWF	Unquantified	10/17/2018	10/18/2018
Blair	Woodbury Twp.	40.4315°, -78.2689°	Piney Creek	HQ-CWF	Unquantified	10/23/2018	10/23/2018
Blair	Woodbury Twp.	40.4315°, -78.2689°	Piney Creek	HQ-CWF	10,100 gallons*	10/23/2018	10/23/2018
Blair	Woodbury Twp.	40.4315°, -78.2689°	Piney Creek	HQ-CWF	99,300 gallons*	10/24/2018	10/24/2018
Blair	Woodbury Twp.	40.4315°, -78.2689°	Piney Creek	HQ-CWF	44,200 gallons*	10/25/2018	10/25/2018
Blair	Woodbury Twp.	40.4315°, -78.2689°	Piney Creek	HQ-CWF	180 gallons*	10/26/2018	10/26/2018
Blair	Woodbury Twp.	40.4315°, -78.2689°	Piney Creek	HQ-CWF	2,000 gallons**	10/26/2018	10/26/2018
Blair	Woodbury Twp.	40.4315°, -78.2689°	Piney Creek	HQ-CWF	1,800 gallons**	10/27/2018	10/27/2018
Blair	Woodbury Twp.	40.4315°, -78.2689°	Piney Creek	HQ-CWF	20 gallons	11/1/2018	11/1/2018
Blair	Woodbury Twp.	40.4315°, -78.2689°	Piney Creek	HQ-CWF	850 gallons**	11/1/2018	11/1/2018
Blair	Woodbury Twp.	40.4315°, -78.2689°	Piney Creek	HQ-CWF	4,600 gallons**	11/3/2018	11/3/2018
Blair	Woodbury Twp.	40.4315°, -78.2689°	Piney Creek	HQ-CWF	4,700 gallons**	11/4/2018	11/4/2018
Blair	Woodbury Twp.	40.4315°, -78.2689°	Piney Creek	HQ-CWF	2,060 gallons**	11/7/2018	11/7/2018
Blair	Woodbury Twp.	40.4315°, -78.2689°	Piney Creek	HQ-CWF	33 gallons**	11/8/2018	11/8/2018
Blair	Woodbury Twp.	40.4315°, -78.2689°	Piney Creek	HQ-CWF	10 gallons*	11/11/2018	11/11/2018
Blair	Woodbury Twp.	40.4315°, -78.2689°	Piney Creek	HQ-CWF	1,600 gallons**	11/12/2018	11/12/2018
Blair	Woodbury Twp.	40.4315°, -78.2689°	Piney Creek	HQ-CWF	70,280 gallons*	11/19/2018	11/19/2018
Blair	Woodbury Twp.	40.4315°, -78.2689°	Piney Creek	HQ-CWF	7,200 gallons**	11/20/2018	11/20/2018
Blair	Woodbury Twp.	40.4315°, -78.2689°	Piney Creek	HQ-CWF	39,400 gallons*	11/20/2018	11/20/2018
Blair	Woodbury Twp.	40.4315°, -78.2689°	Piney Creek	HQ-CWF	84,300 gallons*	11/21/2018	11/21/2018
Blair	Woodbury Twp.	40.4315°, -78.2689°	Piney Creek	HQ-CWF	21,400 gallons*	11/22/2018	11/22/2018
Blair	Woodbury Twp.	40.4315°, -78.2689°	Piney Creek	HQ-CWF	78,900 gallons*	11/23/2018	11/23/2018
Blair	Woodbury Twp.	40.4315°, -78.2689°	Piney Creek	HQ-CWF	1,000 gallons	11/23/2018	11/23/2018
Blair	Woodbury Twp.	40.4315°, -78.2689°	Piney Creek	HQ-CWF	23,900 gallons**	11/23/2018	11/23/2018
Blair	Woodbury Twp.	40.4315°, -78.2689°	Piney Creek	HQ-CWF	4,800 gallons*	11/26/2018	11/26/2018
Blair	Woodbury Twp.	40.4315°, -78.2689°	Piney Creek	HQ-CWF	121,800 gallons*	11/27/2018	11/27/2018
Blair	Woodbury Twp.	40.4315°, -78.2689°	Piney Creek	HQ-CWF	100 gallons**	11/27/2018	11/27/2018
Blair	Woodbury Twp.	40.4315°, -78.2689°	Piney Creek	HQ-CWF	25-50 gallons	11/27/2018	11/27/2018
Blair	Woodbury Twp.	40.4315°, -78.2689°	Piney Creek	HQ-CWF	116,140 gallons*	11/28/2018	11/28/2018
Blair	Woodbury Twp.	40.4315°, -78.2689°	Piney Creek	HQ-CWF	52,600 gallons*	11/29/2018	11/29/2018
Blair	Woodbury Twp.	40.4315°, -78.2689°	Piney Creek	HQ-CWF	56,790 gallons*	12/1/2018	12/1/2018
Blair	Woodbury Twp.	40.4315°, -78.2689°	Piney Creek	HQ-CWF	30,070 gallons*	12/1/2018	12/1/2018
Blair	Woodbury Twp.	40.4315°, -78.2689°	Piney Creek	HQ-CWF	5,850 gallons*	12/2/2018	12/2/2018
Blair	Woodbury Twp.	40.4315°, -78.2689°	Piney Creek	HQ-CWF	75,000 gallons*	12/2/2018	12/2/2018
Blair	Woodbury Twp.	40.4315°, -78.2689°	Piney Creek	HQ-CWF	80,550 gallons*	12/3/2018	12/3/2018

EXHIBIT A

County	Municipality	Lat/Long	Resource Impacted (lake, wetland, stream)	Chapter 93 designation	Estimated Quantity of Release	Date Occurred	Date Reported
Blair	Blair Twp.	40.4122°, -78.3722°	Wetland (BB-58)	-	2,325 gallons**	12/3/2018	12/3/2018
Blair	Woodbury Twp.	40.4315°, -78.2689°	Piney Creek	HQ-CWF	78,100 gallons*	12/4/2018	12/4/2018
Blair	Woodbury Twp.	40.4315°, -78.2689°	Piney Creek	HQ-CWF	69,840 gallons*	12/5/2018	12/5/2018
Blair	Blair Twp.	40.4122°, -78.3722°	Wetland (BB-58)	-	21,150 gallons**	12/5/2018	12/5/2018
Blair	Woodbury Twp.	40.4315°, -78.2689°	Piney Creek	HQ-CWF	54,350 gallons*	12/6/2018	12/5/2019
Blair	Woodbury Twp.	40.4315°, -78.2689°	Piney Creek	HQ-CWF	35,100 gallons*	12/7/2018	12/7/2018
Blair	Woodbury Twp.	40.4315°, -78.2689°	Piney Creek	HQ-CWF	34,500 gallons*	12/8/2018	12/8/2018
Blair	Woodbury Twp.	40.4315°, -78.2689°	Piney Creek	HQ-CWF	26,900 gallons*	12/9/2018	12/9/2018
Blair	Woodbury Twp.	40.4315°, -78.2689°	Piney Creek	HQ-CWF	22,000 gallons*	12/10/2018	12/10/2018
Blair	Woodbury Twp.	40.4315°, -78.2689°	Piney Creek	HQ-CWF	13,750 gallons*	12/11/2018	12/11/2018
Blair	Woodbury Twp.	40.4315°, -78.2689°	Piney Creek	HQ-CWF	300-400 gallons	8/3/2018	8/3/2018
Cambria	Munster Twp.	40.4528°, -78.6847°	Wetland (N-18)	-			
Cambria	Munster Twp.	40.4528°, -78.6847°	Wetland (N-19) and North Branch of Little Conemaugh	CWF	2,000-2,500 gallons	8/4/2018	8/4/2018
Cambria	Jackson Twp.	40.416°, -78.866°	Wetland (N-24)	-	10 gallons	8/25/2018	8/25/2018
Cambria	Munster Twp.	40.4528°, -78.6847°	Wetland (N-18)	-	5 gallons	9/16/2018	9/17/2018
Cambria	Jackson Twp.	40.416°, -78.866°	Wetland (E-2) and UNT to Hinckston Run	CWF	11,000 gallons	9/11/2018	9/12/2018
Cambria	Cambria Twp.	40.4372°, -78.7635°	UNT to Stewart Run	HQ-CWF	10 gallons	2/16/2019	2/16/2019
Cambria	Cambria Twp.	40.4372°, -78.7635°	UNT to Stewart Run	HQ-CWF	357 gallons	4/16/2019	4/16/2019
Cumberland	Middlesex Twp.	40.2287°, -77.1399°	Letort Spring Run	CWF	2 gallons	9/13/2018	9/13/2018
Cumberland	Lower Allen Twp.	40.1925°, -76.9386°	Wetland (I-27) and UNT to Yellow Breeches Creek	CWF	20 gallons	4/27/2019	4/27/2019
Delaware	Middletown Twp.	39.8946°, -75.4321°	UNT to Chester Creek	TSF	100 gallons	10/6/2018	10/6/2018
Lebanon	West Cornwall Twp.	40.290°, -76.427°	Snitz Creek	TSF	38 gallons	8/15/2018	8/15/2018
Washington	Nottingham Twp.	40.236°, -80.091°	UNT to Peters Creek	TSF	2 gallons	8/4/2018	8/4/2018
Westmoreland	Derry Twp.	40.445°, -79.304°	UNT to Conemaugh River	CWF	10 gallons	2/26/2019	2/26/2019

*Indicates the estimated quantity of drilling fluids that surfaced in a Department approved containment BMP located in Piney Creek and was then pumped back to the HDD drill pit and recirculated.

**Indicates the estimated quantity of drilling fluids that surfaced in a Department approved containment BMP located in Wetland BB-58 and was then pumped back to the HDD drill pit and recirculated.