

**SUBJECT: Sunoco Pipeline LP**  
 Berks County  
 Brecknock, Township of; Caernarvon,  
 Township of; Cumru, Township of; New  
 Morgan, Borough of; Robeson, Township of;  
 South Heidelberg, Township of; Spring,  
 Township of

**TO:** Pennsylvania Fish and Boat Commission-  
 (DES)  
 450 Robinson Lane  
 Bellefonte, PA 16823

**FROM: (check one)**

NWRO     SWRO     NERO     Central  
 NCRO     SCRO     SERO     Office

**Date Received By PFBC: 9/14/2015**

**Permit No.: E06-701**

**Permit Type:** Encroachment

**Contact Information:**

**DEP-Reviewing Biologist:** Andrew McDonald

**PFBC Reviewer:** Gary Smith

**Project Description**

**Type of work:** Pipeline project with multiple counties on CD's.

**NOTE:** Please review the attached application for a Water Obstruction and Encroachment Permit for the project described above, and return comments to this office within 30 days.

**Project Location/PFBC Stream Management:**

Latitude	Longitude	Primary Water	Receiving Water	Stocked	Wild
40.286300	-76.101100	UNT to Little Cocalico Creek	Little Cocalico Creek	No	No
40.293000	-76.087100	Cacoosing Creek	Tulpehocken Creek	No	Yes
40.315800	-76.042500	Cacoosing Creek	Tulpehocken Creek	No	Yes
40.280500	-76.028000	Little Muddy Creek	Muddy Creek	Yes	No
40.255800	-75.991300	Wyomissing Creek	Schuylkill River	No	Yes
40.228200	-75.955100	Allegheny Creek	Schuylkill River	No	Yes
40.209400	-75.926100	Rock Run (Bowmansville)	Muddy Creek	No	Yes
40.199900	-75.911700	Hay Creek	Schuylkill River	No	Yes
40.169800	-75.862700	East Branch Conestoga River	Conestoga River	No	No

**Specific Project Comments:**

The Pennsylvania Fish and Boat Commission manages Wyomissing Creek and Hay Creek as naturally reproducing, Class A wild trout streams. Class A wild trout streams comprise less than 2% of the flowing water resources in Pennsylvania. Class A wild trout streams support robust populations of naturally reproducing wild trout due to a significant biological, ecological, or environmental condition within the watershed. The PFBC recommends an instream construction restriction for crossings on these streams and tributaries listed in the table below from October 1 through April 1 to protect spawning, egg deposition and incubation, and fry emergence life stage activities of the wild trout population. The PFBC will not issue seasonal restriction waivers for crossings on these streams. The PFBC recommends directional boring or similar technology if the applicant finds it necessary to cross these streams during the seasonal restriction periods. The PFBC recommends that the applicant and contractor understand the implications of this restriction and plan any and all instream construction work accordingly.

The Pennsylvania Fish and Boat Commission manages Cacoosing Creek as a naturally reproducing, wild trout stream. In 2015, the PFBC surveyed Cacoosing Creek and found a Class A wild trout population. Cacoosing Creek is in the process of being added to the Class A wild trout list. The PFBC recommends an instream construction restriction for crossings on this stream and its tributaries listed in the table below from October 1 through April 1 to protect spawning, egg deposition and incubation, and fry emergence life stage activities of the wild trout population. The PFBC will not issue seasonal restriction waivers for crossings on these streams. The PFBC recommends directional boring or similar technology if the applicant finds it necessary to cross these streams during the seasonal restriction periods. The PFBC recommends that the applicant and contractor understand the implications of this restriction and plan any and all instream construction work accordingly.

The Pennsylvania Fish and Boat Commission manages sections of Allegheny Creek and Rock Run (Bowmansville) also known as UNT to Muddy Creek, as naturally reproducing, wild trout streams. The PFBC recommends an instream construction restriction for crossings on these streams and their tributaries listed in the table below from October 1 through December 31 to protect spawning and egg deposition behavior of the wild trout population. The PFBC recommends that the applicant and contractor understand the implications of this restriction and plan any and all instream construction work accordingly. The PFBC will not issue seasonal restriction waivers for crossings on these streams. The PFBC recommends directional boring or similar technology if the applicant finds it necessary to cross these streams during the seasonal restriction periods.

The PFBC manages Little Cocalico Creek, Little Muddy Creek, Wyomissing Creek, Allegheny Creek, Rock Run (Bowmansville) also known as UNT to Muddy Creek, and Hay Creek as stocked trout waters. The PFBC will not require a stocked trout instream construction restriction period for crossings on these streams and their tributaries, because those crossings are located greater than 0.5 miles upstream of the stocked trout sections and should not impact the stocked trout fisheries.

Stream ID	Stream Name	Coordinates	Instream Construction Restriction Period
S-B22	Cacoosing Creek	-76.0871, 40.2930	October 1 to April 1
S-B43	UNT to Cacoosing Creek	-76.0315, 40.2868	October 1 to April 1
S-B45	UNT to Cacoosing Creek	-76.0299, 40.2898	October 1 to April 1
S-B46	UNT to Cacoosing Creek	-76.0295, 40.2903	October 1 to April 1
S-K76	UNT to Cacoosing Creek	-76.0292, 40.2900	October 1 to April 1
S-K77	UNT to Cacoosing Creek	-76.0286, 40.2902	October 1 to April 1
S-B47	UNT to Cacoosing Creek	-76.0795, 40.2971	October 1 to April 1
S-B49	UNT to Cacoosing Creek	-76.0645, 40.3042	October 1 to April 1
S-B50	Cacoosing Creek	-76.0425, 40.3158	October 1 to April 1
S-C30	UNT to Cacoosing Creek	-76.0256, 40.3031	October 1 to April 1
S-C31	UNT to Cacoosing Creek	-76.0237, 40.2985	October 1 to April 1
S-C32	UNT to Cacoosing Creek	-76.0233, 40.2969	October 1 to April 1
S-C33	UNT to Cacoosing Creek	-76.0249, 40.2946	October 1 to April 1
S-B31	UNT to Wyomissing Creek	-76.0062, 40.2719	October 1 to April 1
S-B32	UNT to Wyomissing Creek	-76.0033, 40.2688	October 1 to April 1
S-B33	UNT to Wyomissing Creek	-75.9953, 40.2612	October 1 to April 1
S-B29	Allegheny Creek	-75.9551, 40.2282	October 1 to December 31

S-B27	UNT to Allegheny Creek	-75.9544, 40.2275	October 1 to December 31
S-B28	UNT to Allegheny Creek	-75.9547, 40.2279	October 1 to December 31
S-B30	UNT to Allegheny Creek	-75.9648, 40.2344	October 1 to December 31
S-C1	UNT to Allegheny Creek	-75.9826, 40.2470	October 1 to December 31
S-C2	UNT to Allegheny Creek	-75.9823, 40.2464	October 1 to December 31
S-C7	UNT to Allegheny Creek	-75.9697, 40.2374	October 1 to December 31
S-C101	UNT to Allegheny Creek	-75.9415, 40.2193	October 1 to December 31
S-C102	UNT to Allegheny Creek	-75.9412, 40.2192	October 1 to December 31
S-H23	Rock Run (Bowmansville) also known as UNT to Muddy Creek	-75.9261, 40.2094	October 1 to December 31
S-H21	UNT to Rock Run (Bowmansville)	-75.9176, 40.2040	October 1 to December 31
S-H22	UNT to Rock Run (Bowmansville)	-75.9258, 40.2090	October 1 to December 31
S-C103	UNT to Rock Run (Bowmansville)	-75.9370, 40.2160	October 1 to December 31
S-C104	UNT to Rock Run (Bowmansville)	-75.9368, 40.2158	October 1 to December 31
S-C107	UNT to Rock Run (Bowmansville)	-75.9291, 40.2115	October 1 to December 31
S-C108	UNT to Rock Run (Bowmansville)	-75.9282, 40.2108	October 1 to December 31
S-H13	Hay Creek	-75.9117, 40.1999	October 1 to April 1
S-H16	UNT to Hay Creek	-75.9058, 40.1964	October 1 to April 1
S-H17	UNT to Hay Creek	-75.8974, 40.1910	October 1 to April 1
S-H18	UNT to Hay Creek	-75.8961, 40.1907	October 1 to April 1
S-Q90	UNT to Hay Creek	-75.8910, 40.1886	October 1 to April 1

*Mary A. Smith*

(PFBC Division of Environmental Services)

Approved

Not  
Approved

See  
Comments

Withdrawn

10/14/2015

(Date)

(Approved)

**Pennsylvania Fish & Boat Commission**

**SUBJECT: Sunoco Pipeline LP**  
 Blair County  
 Allegheny, Township of; Blair, Township of;  
 Frankstown, Township of; Juniata, Township  
 of; Woodbury, Township of

**TO:** Pennsylvania Fish and Boat Commission-  
 (DES)  
 450 Robinson Lane  
 Bellefonte, PA 16823

**FROM: (check one)**

- NWRO     SWRO     NERO     Central  
 NCRO     SCRO     SERO     Office

**Date Received By PFBC: 9/14/2015**

**Permit No.: E07-459**

**Permit Type:** Encroachment

**Contact Information:**

**DEP-Reviewing Biologist:** Andrew McDonald

**PFBC Reviewer:** Gary Smith

**Project Description**

**Type of work:** Pipeline project with multiple counties on CD's.

**NOTE:** Please review the attached application for a Water Obstruction and Encroachment Permit for the project described above, and return comments to this office within 30 days.

**Project Location/PFBC Stream Management:**

Latitude	Longitude	Primary Water	Receiving Water	Stocked	Wild
40.416700	-78.348300	Oldtown Run	Frankstown Branch Juniata River	No	No
40.413300	-78.373600	Frankstown Branch Juniata River	Juniata River	No	Yes
40.440300	-78.329500	Frankstown Branch Juniata River	Juniata River	No	Yes
40.434400	-78.296900	Frankstown Branch Juniata River	Juniata River	No	Yes
40.421000	-78.212300	Clover Creek	Frankstown Branch Juniata River	Yes	Yes
40.402700	-78.501500	Dry Run	Blair Gap Run	No	No
40.408900	-78.440800	Dry Run	Blair Gap Run	No	No
40.433100	-78.266800	Piney Creek	Frankstown Branch Juniata River	No	Yes
40.404400	-78.547400	Blair Run	Blair Gap Run	No	Yes

**Specific Project Comments:**

The Pennsylvania Fish and Boat Commission manages Piney Creek and Clover Creek as naturally reproducing, Class A wild trout streams. Class A wild trout stream comprise less than 2% of the flowing water resources in Pennsylvania. Class A wild trout streams support robust populations of naturally reproducing wild trout due to a significant biological, ecological, or environmental condition within the watershed. The PFBC recommends an instream construction restriction for crossings on these streams and tributaries listed in the table below from October 1 through April 1 to protect spawning, egg deposition and incubation, and fry emergence life stage activities of the wild trout population. The PFBC will not issue seasonal restriction waivers for crossings on these streams. The PFBC recommends directional boring or similar technology if the applicant finds it necessary to cross these streams during the seasonal restriction periods. The PFBC recommends that the applicant and contractor understand the implications of this restriction and plan any and all instream construction work accordingly.

The Pennsylvania Fish and Boat Commission manages Blair Run and Frankstown Branch Juniata River as naturally reproducing, wild trout streams. The PFBC recommends an instream construction restriction for crossings on these streams and their tributaries listed in the table below from October 1 through December 31 to protect spawning and egg deposition behavior of the wild trout population. The PFBC recommends that the applicant and contractor understand the implications of this restriction and plan any and all instream construction work accordingly. The PFBC will not issue seasonal restriction waivers for crossings on these streams. The PFBC recommends directional boring or similar technology if the applicant finds it necessary to cross these streams during the seasonal restriction periods.

The PFBC surveyed Blair Gap Run and Poplar Run in 2006 and found that these two streams supported naturally reproducing wild trout populations. These two streams are in the process of being added to the list of streams that support naturally reproducing wild trout. The PFBC recommends an instream construction restriction for these streams and tributaries crossings listed in the table below from October 1 through December 31 to protect spawning and egg deposition behavior of the wild trout populations. The PFBC recommends that the applicant and contractor understand the implications of this restriction and plan any and all instream construction work accordingly. The PFBC recommends directional boring or similar technology if the applicant finds it necessary to cross these streams during the seasonal restriction periods.

The PFBC manages Blair Gap Run, Poplar Run, Frankstown Branch Juniata River, and Clover Creek as stocked trout streams. The PFBC will not require a stocked trout instream construction restriction period for crossings on Blair Gap Run tributaries and Poplar Run tributaries, because those crossings are located greater than 0.5 miles upstream of the stocked trout sections and should not impact the stocked trout fisheries. The PFBC will not require a stocked trout instream construction restriction period for crossings on Frankstown Branch Juniata River and tributaries because those crossings are located downstream of the stocked trout section and will not impact the stocked trout fisheries. The PFBC will not require a stocked trout instream construction restriction period for the Clover Run crossing, because directional boring or similar technology will be used at this crossing and should not impact the stocked trout fisheries.

Stream ID	Stream Name	Coordinates	Instream Construction Restriction Period
S-L96	Blair Run	-78.5474, 40.4044	October 1 to December 31
S-L97	UNT to Blair Run	-78.5474, 40.4043	October 1 to December 31
S-L98	UNT to Blair Run	-78.5359, 40.4020	October 1 to December 31
S-M73	UNT to Blair Gap Run	-78.4690, 40.4070	October 1 to December 31
S-L83	UNT to Poplar Run	-78.5142, 40.4010	October 1 to December 31
S-Q58	UNT to Poplar Run	-78.5144, 40.4011	October 1 to December 31
S-BB44	Oldtown Run	-78.3483, 40.4167	October 1 to December 31
S-BB47	UNT to Oldtown Run	-78.3571, 40.4143	October 1 to December 31
S-BB49	UNT to Frankstown Branch Juniata River	-78.3808, 40.4152	October 1 to December 31
S-BB96	UNT to Frankstown Branch Juniata River	-78.3226, 40.4472	October 1 to December 31
S-L69	UNT to Frankstown Branch Juniata River	-78.3227, 40.4472	October 1 to December 31
S-L72	UNT to Frankstown Branch Juniata River	-78.3241, 40.4462	October 1 to December 31
S-L74	UNT to Frankstown Branch Juniata River	-78.3237, 40.4460	October 1 to December 31
S-L76	UNT to Frankstown Branch Juniata River	-78.3246, 40.4445	October 1 to December 31
S-L68	UNT to Frankstown Branch Juniata River	-78.3148, 40.4456	October 1 to December 31
S-M38	UNT to Frankstown Branch Juniata River	-78.2934, 40.4335	October 1 to December 31
S-M35	UNT to Piney Creek	-78.2778, 40.4355	October 1 to April 1

*Mary A. Smith*

(PFBC Division of Environmental Services)

Approved  Not Approved

See Comments  Withdrawn

(Approved)

10/6/2015

(Date)

**Pennsylvania Fish & Boat Commission**

**SUBJECT: Sunoco Pipeline LP**  
 Cumberland County  
 Lower Allen, Township of; Lower Frankford,  
 Township of; Lower Mifflin, Township of;  
 Middlesex, Township of; Monroe, Township of;  
 North Middleton, Township of; Silver Spring,  
 Township of; Upper Allen, Township of; Upper  
 Frankford, Township of

**TO:** Pennsylvania Fish and Boat Commission-  
 (DES)  
 450 Robinson Lane  
 Bellefonte, PA 16823

**FROM: (check one)**

NWRO    SWRO    NERO    Central  
 NCRO    SCRO    SERO    Office

**Date Received By PFBC: 9/14/2015**

**Permit No.: E21-449**

**Permit Type:** Encroachment

**Contact Information:**

**DEP-Reviewing Biologist:** Andrew McDonald

**PFBC Reviewer:** Gary Smith

**Project Description**

**Type of work:** Pipeline project with multiple counties on CD's.

**NOTE:** Please review the attached application for a Water Obstruction and Encroachment Permit for the project described above, and return comments to this office within 30 days.

**Project Location/PFBC Stream Management:**

Latitude	Longitude	Primary Water	Receiving Water	Stocked	Wild
40.251300	-77.446000	Doubling Gap Creek	Conodoguinet Creek	No	Yes
40.245900	-77.410200	Rock Run	Conodoguinet Creek	No	No
40.245600	-77.388700	Unt To Conodoguinet Creek (rm 53.56)	Conodoguinet Creek	No	No
40.245000	-77.349000	Bloser Creek	Conodoguinet Creek	No	No
40.244200	-77.323100	Locust Creek	Conodoguinet Creek	No	No
40.242100	-77.282600	Opossum Creek	Conodoguinet Creek	Yes	No
40.239700	-77.215200	Meetinghouse Run	Conodoguinet Creek	No	No
40.238900	-77.178100	Conodoguinet Creek	Susquehanna River	Yes	Yes
40.228500	-77.140200	Letort Spring Run	Conodoguinet Creek	No	Yes
40.216300	-77.079100	Hogestown Run	Conodoguinet Creek	No	No
40.191100	-76.909100	Yellow Breeches Creek	Susquehanna River	Yes	No

**Specific Project  
 Comments:**

The Pennsylvania Fish and Boat Commission manages Letort Spring Run as a naturally reproducing, Class A wild trout stream. Class A wild trout stream comprise less than 2% of the flowing water resources in Pennsylvania. Class A wild trout streams support robust populations of naturally reproducing wild trout due to a significant biological, ecological, or environmental condition within the watershed. The PFBC recommends an instream construction restriction on an UNT to Letort Spring Run crossing listed in the table below from October 1 through April 1 to protect spawning, egg deposition and incubation, and fry emergence life stage activities of the wild trout population. The PFBC will not issue seasonal restriction waivers for crossings on these streams. The PFBC recommends directional boring or similar technology if the applicant finds it necessary to cross these streams during the seasonal restriction periods. The PFBC recommends that the applicant and contractor understand the implications of this restriction and plan any and all instream construction work accordingly.

The Pennsylvania Fish and Boat Commission manages sections of Doubling Gap Creek, Conodoguinet Creek, and Yellow Breeches Creek as naturally reproducing, wild trout streams. The PFBC does not recommend instream construction restrictions for crossings on these streams and their tributaries because the crossings are located downstream of the wild trout sections.

The PFBC manages Conodoguinet Creek, Opossum Lake, and Yellow Breeches Creek as stocked trout waters. The PFBC recommends an instream construction restriction period for crossings on Opossum Creek and its tributaries and UNT to Yellow Breeches Creek listed in the table below from March 1 through June 15 to avoid interference with recreational angling activities. The PFBC recommends that the applicant and contractor understand the implications of this restriction and plan any and all instream construction work accordingly. The PFBC will not issue seasonal restriction waivers for crossings on these streams. The PFBC recommends directional boring or similar technology if the applicant finds it necessary to cross these streams during the seasonal restriction periods. The PFBC will not require a stocked trout instream construction restriction period for crossings on Conodoguinet Creek and its tributaries, because those crossing are located downstream of the stocked trout section. The PFBC will not require a stocked trout instream construction restriction period for crossings on Yellow Breeches Creek and some of its tributaries, because those crossings are located greater than 0.5 miles upstream of the stocked trout sections and should not impact the stocked trout fisheries or HDD will be used.

Stream ID	Stream Name	Coordinates	Instream Construction Restriction Period
S-I67	UNT to Opossum Creek	-77.2788, 40.2421	March 1 to June 15
S-I69	Opossum Creek	-77.2826, 40.2421	March 1 to June 15
S-I50	UNT to Letort Spring Run	-77.1442, 40.2287	October 1 to April 1
S-H69	UNT to Yellow Breeches Creek	-76.9331, 40.1920	March 1 to June 15
S-H70	UNT to Yellow Breeches Creek	-76.9330, 40.1923	March 1 to June 15
S-H71	UNT to Yellow Breeches Creek	-76.9340, 40.1921	March 1 to June 15



(PFBC Division of Environmental Services)

Approved  Not Approved

See Comments  Withdrawn

(Approved)

10/8/2015

(Date)

**Pennsylvania Fish & Boat Commission**



**SUBJECT: Sunoco Pipeline LP**  
 Dauphin County  
 Conewago, Township of; Derry, Township of;  
 Highspire, Borough of; Londonderry, Township  
 of; Lower Swatara, Township of; Middletown,  
 Borough of

**TO:** Pennsylvania Fish and Boat Commission-  
 (DES)  
 450 Robinson Lane  
 Bellefonte, PA 16823

**FROM: (check one)**

NWRO    SWRO    NERO    Central  
 NCRO    SCRO    SERO    Office

<b>Date Received By PFBC: 9/14/2015</b>
<b>Permit No.: E22-619</b>

<b>Permit Type:</b> Encroachment
<b>Contact Information:</b>
<b>DEP-Reviewing Biologist:</b> Andrew McDonald
<b>PFBC Reviewer:</b> Gary Smith

**Project Description**

**Type of work:** Pipeline project with multiple counties on CD's.

**NOTE:** Please review the attached application for a Water Obstruction and Encroachment Permit for the project described above, and return comments to this office within 30 days.

**Project Location/PFBC Stream Management:**

Latitude	Longitude	Primary Water	Receiving Water	Stocked	Wild
40.200400	-76.790800	Susquehanna River		No	No
40.219200	-76.724600	Swatara Creek	Susquehanna River	No	No
40.233500	-76.673300	UNT to Iron Run	Iron Run	No	No
40.252600	-76.595700	UNT to Spring Creek	Spring Creek	No	No

**Specific Project Comments:**

The Pennsylvania Fish and Boat Commission found no significant impact to the aquatic resources of Dauphin County as a result of the proposed actions of this project as long as all required E&S Controls are properly implemented. This finding was a result of a permit application review. An actual field assessment may reveal additional information not presented in the permit application.

I recommend that any release of sediment to the stream should be reason to initiate contact with the PFBC Bureau of Law Enforcement to address these issues. Any unauthorized disturbance, unpermitted discharge, or release of sediment(s) that is determined to be a pollution event (generally described <http://www.fish.state.pa.us/fishpub/summary/reporting.html>) per the Pennsylvania Fish and Boat Code will be subject to the appropriate legal enforcement action. PFBC Bureau of Law Enforcement Regional Offices (NC 814-359-5250; NE 570-477-5717; NW 814-337-0444; SW 814-445-8974)



(PFBC Division of Environmental Services)

Approved  Not Approved   
 See Comments  Withdrawn

10/9/2015  
 (Date)

(Approved)

**Pennsylvania Fish & Boat Commission**

**SUBJECT: Sunoco Pipeline LP**  
 Huntingdon County  
 Penn, Township of; Shirley, Township of; Tell,  
 Township of; Union, Township of

**TO:** Pennsylvania Fish and Boat Commission-  
 (DES)  
 450 Robinson Lane  
 Bellefonte, PA 16823

**FROM: (check one)**

NWRO    SWRO    NERO    Central  
 NCRO    SCRO    SERO    Office

<b>Date Received By PFBC: 9/14/2015</b>
<b>Permit No.: E31-234</b>
<b>Permit Type: Encroachment</b>
<b>Contact Information:</b>
<b>DEP-Reviewing Biologist: Andrew McDonald</b>
<b>PFBC Reviewer: Gary Smith</b>

**Project Description**

**Type of work:** Pipeline project with multiple counties on CD's.

**NOTE:** Please review the attached application for a Water Obstruction and Encroachment Permit for the project described above, and return comments to this office within 30 days.

**Project Location/PFBC Stream Management:**

Latitude	Longitude	Primary Water	Receiving Water	Stocked	Wild
40.396700	-78.132600	James Creek	Raystown Lake	No	No
40.357900	-78.012100	Little Trough Creek	Great Trough Creek	No	No
40.353800	-77.989400	Smith Run	Juniata River	No	No
40.351400	-77.972600	Hares Valley Creek	Juniata River	Yes	No
40.345500	-77.947200	Scrub Run	Juniata River	No	No
40.342900	-77.940900	Singers Gap Run	Hill Valley Creek	No	No
40.338700	-77.904100	Hill Valley Creek	Juniata River	No	No
40.343600	-77.852200	Aughwick Creek	Juniata River	No	No
40.333200	-77.827600	Fort Run	Aughwick Creek	No	No
40.321500	-77.787900	Blacklog Creek	Aughwick Creek	Yes	No
40.312500	-77.745600	George Creek	Tuscarora Creek	No	No

**Specific Project Comments:**

The Pennsylvania Fish and Boat Commission manages Blacklog Creek from its headwaters downstream to Trough Creek Reservoir #1 as a naturally reproducing, wild trout stream. The crossings on Blacklog Creek and its tributaries are located downstream of the wild trout section; therefore the PFBC does not recommend wild trout instream construction restrictions for these crossings.

As part of PFBC's Unassessed Waters Program, George Creek was surveyed in 2014 and found to support a naturally reproducing wild trout population. George Creek is in the process of being added to the list of streams that support naturally reproducing wild trout. The PFBC recommends an instream construction restriction for crossings on this stream and its tributaries listed in the table below from October 1 through December 31 to protect spawning and egg deposition behavior of the wild trout populations. The PFBC recommends that the applicant and contractor understand the implications of this restriction and plan any and all instream construction work accordingly. The PFBC recommends directional boring or similar technology if the applicant finds it necessary to cross these streams during the seasonal restriction periods.

The PFBC manages Hares Valley Creek and Blacklog Creek as stocked trout streams. The PFBC recommends an instream construction restriction period for crossings on Blacklog Creek and its tributaries listed in the table below from March 1 through June 15 to avoid interference with recreational angling activities. The PFBC recommends that the applicant and contractor understand the implications of this restriction and plan any and all instream construction work accordingly. The PFBC will not issue seasonal restriction waivers for crossings on these streams. The PFBC recommends directional boring or similar technology if the applicant finds it necessary to cross these streams during the seasonal restriction periods. The PFBC will not require a stocked trout instream construction restriction period for the crossing on UNT to Blacklog Creek (S-M3) because it is greater than 0.5 miles upstream of the stocked trout section and should not impact the stocked trout fisheries. The PFBC will not require a stocked trout instream construction restriction period for crossings on Hares Valley Creek and its tributaries because those crossings are located greater than 0.5 miles upstream of the stocked trout section and should not impact the stocked trout fisheries.

To determine whether a stream qualifies for an Aids to Navigation (ATON) Plan, we reference Keystone Canoeing by Edward Gertler. This is a guide to canoeable waters of Pennsylvania. The section of Blacklog Creek where the crossing is located is listed as canoeable water. Please have the applicant coordinate with Thomas J. Burrell of the PA Fish and Boat Commission to ensure safe navigation occurs in the project area at the Blacklog Creek crossing and to determine if an ATON Plan is required.

Thomas J Burrell, Captain  
 Waterways Conservation Officer Manager  
 Pa Fish & Boat Commission  
 PO Box 67000  
 Harrisburg, PA 17106  
 717-705-7838  
 tburrell@pa.gov

Stream ID	Stream Name	Coordinates	Instream Construction Restriction Period
S-K94	Blacklog Creek	-77.7879, 40.3215	March 1 to June 15
S-M1	UNT to Blacklog Creek	-77.7914, 40.3219	March 1 to June 15
S-M2	UNT to Blacklog Creek	-77.7947, 40.3224	March 1 to June 15
S-K95	UNT to Blacklog Creek	-77.7846, 40.3205	March 1 to June 15
S-K96	UNT to Blacklog Creek	-77.7815, 40.3199	March 1 to June 15
S-L21	UNT to Blacklog Creek	-77.7794, 40.3195	March 1 to June 15
S-K90	George Creek	-77.7456, 40.3125	October 1 to December 31
S-K82	UNT to George Creek	-77.7251, 40.3071	October 1 to December 31
S-K83	UNT to George Creek	-77.7258, 40.3075	October 1 to December 31
S-K84	UNT to George Creek	-77.7260, 40.3074	October 1 to December 31
S-K85	UNT to George Creek	-77.7334, 40.3092	October 1 to December 31
S-K87	UNT to George Creek	-77.7372, 40.3103	October 1 to December 31
S-K88	UNT to George Creek	-77.7390, 40.3107	October 1 to December 31
S-K89	UNT to George Creek	-77.7400, 40.3111	October 1 to December 31

S-K91	UNT to George Creek	-77.7479, 40.3132	October 1 to December 31
S-K93	UNT to George Creek	-77.7487, 40.3131	October 1 to December 31
S-L13	UNT to George Creek	-77.7542, 40.3142	October 1 to December 31
S-L14	UNT to George Creek	-77.7544, 40.3142	October 1 to December 31
S-L15	UNT to George Creek	-77.7550, 40.3144	October 1 to December 31
S-L16	UNT to George Creek	-77.7587, 40.3150	October 1 to December 31
S-L18	UNT to George Creek	-77.7598, 40.3153	October 1 to December 31
S-L19	UNT to George Creek	-77.7620, 40.3154	October 1 to December 31

*Mary A. Smith*

(PFBC Division of Environmental Services)

Approved  Not Approved

See Comments  Withdrawn

(Approved)

10/6/2015

(Date)

**Pennsylvania Fish & Boat Commission**

**SUBJECT: Sunoco Pipeline LP**  
 Juniata County  
 Lack, Township of

**TO:** Pennsylvania Fish and Boat Commission-  
 (DES)  
 450 Robinson Lane  
 Bellefonte, PA 16823

**FROM: (check one)**

NWRO     SWRO     NERO     Central  
 NCRO     SCRO     SERO     Office

<b>Date Received By PFBC: 9/14/2015</b>
<b>Permit No.: E34-136</b>
<b>Permit Type: Encroachment</b>
<b>Contact Information:</b>
<b>DEP-Reviewing Biologist: Andrew McDonald</b>
<b>PFBC Reviewer: Gary Smith</b>

**Project Description**

**Type of work:** Pipeline project with multiple counties on CD's.

**NOTE:** Please review the attached application for a Water Obstruction and Encroachment Permit for the project described above, and return comments to this office within 30 days.

**Project Location/PFBC Stream Management:**

Latitude	Longitude	Primary Water	Receiving Water	Stocked	Wild
40.301400	-77.696500	Tuscarora Creek	Juniata River	Yes	No

**Specific Project Comments:**

The PFBC manages Tuscarora Creek as a stocked trout stream. The PFBC will not require a stocked trout instream construction restriction period for the Tuscarora Creek crossing, because directional boring or similar technology will be used at this crossing and should not impact the stocked trout fisheries. The PFBC will not require a stocked trout instream construction restriction period for UNT to Tuscarora Creek crossings because they are greater than 0.5 miles upstream of the stocked trout section and should not impact the stocked trout fisheries.

As part of PFBC's Unassessed Waters Program, George Creek was surveyed in 2014 and found to support a naturally reproducing wild trout population. George Creek is in the process of being added to the list of streams that support naturally reproducing wild trout. The PFBC recommends an instream construction restriction for crossings on this stream and its tributaries listed in the table below from October 1 through December 31 to protect spawning and egg deposition behavior of the wild trout populations. The PFBC recommends that the applicant and contractor understand the implications of this restriction and plan any and all instream construction work accordingly. The PFBC recommends directional boring or similar technology if the applicant finds it necessary to cross these streams during the seasonal restriction periods.

Stream ID	Stream Name	Coordinates	Instream Construction Restriction Period
S-K80	UNT to George Creek	-77.7062, 40.3033	October 1 to December 31
S-L8	UNT to George Creek	-77.7055, 40.3032	October 1 to December 31
S-L9	UNT to George Creek	-77.7054, 40.3031	October 1 to December 31
S-L12	UNT to George Creek	-77.7043, 40.3029	October 1 to December 31

Mary A. Smith

(PFBC Division of Environmental Services)

Approved  Not Approved

See Comments  Withdrawn

(Approved)

10/6/2015

(Date)

**Pennsylvania Fish & Boat Commission**

**SUBJECT: Sunoco Pipeline LP**  
 Lancaster County  
 Clay, Township of; West Cocalico, Township of

**TO:** Pennsylvania Fish and Boat Commission-  
 (DES)  
 450 Robinson Lane  
 Bellefonte, PA 16823

**FROM: (check one)**

NWRO     SWRO     NERO     Central  
 NCRO     SCRO     SERO     Office

<b>Date Received By PFBC: 9/14/2015</b>
<b>Permit No.: E36-945</b>
<b>Permit Type:</b> Encroachment
<b>Contact Information:</b>
<b>DEP-Reviewing Biologist:</b> Andrew McDonald
<b>PFBC Reviewer:</b> Gary Smith

**Project Description**

**Type of work:** Pipeline project with multiple counties on CD's.

**NOTE:** Please review the attached application for a Water Obstruction and Encroachment Permit for the project described above, and return comments to this office within 30 days.

**Project Location/PFBC Stream Management:**

Latitude	Longitude	Primary Water	Receiving Water	Stocked	Wild
40.280300	-76.206800	Cocalico Creek	Conestoga River	No	No
40.282900	-76.151600	Harnish Run	Cocalico Creek	No	No
40.283300	-76.125800	UNT to Little Cocalico Creek	Little Cocalico Creek	No	No

**Specific Project Comments:**

The Pennsylvania Fish and Boat Commission manages Little Cocalico Creek as a stocked trout water. The PFBC will not require a stocked trout instream construction restriction period for crossings on UNTs to Little Cocalico Creek, because those crossings are located greater than 0.5 miles upstream of the stocked trout sections and should not impact the stocked trout fisheries.

The PFBC found no significant impact to the aquatic resources of Lancaster County as a result of the proposed actions of this project as long as all required E&S Controls are properly implemented. This finding was a result of a permit application review. An actual field assessment may reveal additional information not presented in the permit application.

I recommend that any release of sediment to the stream should be reason to initiate contact with the PFBC Bureau of Law Enforcement to address these issues. Any unauthorized disturbance, unpermitted discharge, or release of sediment(s) that is determined to be a pollution event (generally described <http://www.fish.state.pa.us/fishpub/summary/reporting.html>) per the Pennsylvania Fish and Boat Code will be subject to the appropriate legal enforcement action. PFBC Bureau of Law Enforcement Regional Offices (NC 814-359-5250; NE 570-477-5717; NW 814-337-0444; SW 814-445-8974



Mary A. Smith

(PFBC Division of Environmental Services)

Approved  Not Approved

See Comments  Withdrawn

(Approved)

10/13/2015

(Date)

**Pennsylvania Fish & Boat Commission**

**SUBJECT: Sunoco Pipeline LP**  
 Lebanon County  
 Cornwall, Borough of; Heidelberg, Township of;  
 South Annville, Township of; South Lebanon,  
 Township of; South Londonderry, Township of;  
 West Cornwall, Township of

<b>Date Received By PFBC: 9/14/2015</b>
<b>Permit No.: E38-194</b>

**TO:** Pennsylvania Fish and Boat Commission-  
 (DES)  
 450 Robinson Lane  
 Bellefonte, PA 16823

<b>Permit Type:</b> Encroachment
<b>Contact Information:</b>
<b>DEP-Reviewing Biologist:</b> Andrew McDonald
<b>PFBC Reviewer:</b> Gary Smith

**FROM: (check one)**

NWRO     SWRO     NERO     Central  
 NCRO     SCRO     SERO     Office

**Project Description**

<b>Type of work:</b> Pipeline project with multiple counties on CD's.
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**NOTE:** Please review the attached application for a Water Obstruction and Encroachment Permit for the project described above, and return comments to this office within 30 days.

**Project Location/PFBC Stream Management:**

Latitude	Longitude	Primary Water	Receiving Water	Stocked	Wild
40.271300	-76.517900	Gingrich Run	Killinger Creek	No	No
40.278000	-76.487600	Bachman Run	Quittapahilla Creek	Yes	No
40.290300	-76.427500	Snitz Creek	Quittapahilla Creek	Yes	No
40.284400	-76.460100	Beck Creek	Quittapahilla Creek	No	No
40.287100	-76.350100	Hammer Creek	Cocalico Creek	Yes	Yes
40.286500	-76.329500	Hammer Creek	Cocalico Creek	No	Yes
40.286200	-76.315600	Unt To Hammer Creek	Hammer Creek	No	Yes
40.285300	-76.308600	Unt To Hammer Creek	Hammer Creek	No	Yes
40.285100	-76.240400	Middle Creek	Cocalico Creek	Yes	No

**Specific Project Comments:**

The Pennsylvania Fish and Boat Commission manages Hammer Creek and an UNT to Hammer Creek as naturally reproducing, wild trout streams. The PFBC recommends an instream construction restriction for crossings on these streams and tributaries listed in the table below from October 1 through December 31 to protect spawning and egg deposition behavior of the wild trout population. The PFBC recommends that the applicant and contractor understand the implications of this restriction and plan any and all instream construction work accordingly. The PFBC will not issue seasonal restriction waivers for crossings on these streams. The PFBC recommends directional boring or similar technology if the applicant finds it necessary to cross these streams during the seasonal restriction periods.

The PFBC surveyed Snitz Creek in 2006 and found that this stream supported a naturally reproducing wild trout population. This stream is in the process of being added to the list of streams that support naturally reproducing wild trout. The PFBC recommends an instream construction restriction for the Snitz Creek crossing listed in the table below

from October 1 through December 31 to protect spawning and egg deposition behavior of the wild trout populations. The PFBC recommends that the applicant and contractor understand the implications of this restriction and plan any and all instream construction work accordingly. The PFBC recommends directional boring or similar technology if the applicant finds it necessary to cross these streams during the seasonal restriction periods.

The PFBC manages Bachman Run, Snitz Creek, Hammer Creek, and Middle Creek as stocked trout streams. The PFBC recommends an instream construction restriction period for the Snitz Creek crossing listed in the table below from March 1 through June 15 to avoid interference with recreational angling activities. The PFBC recommends that the applicant and contractor understand the implications of this restriction and plan any and all instream construction work accordingly. The PFBC will not issue seasonal restriction waivers for crossings on these streams. The PFBC recommends directional boring or similar technology if the applicant finds it necessary to cross these streams during the seasonal restriction periods. The PFBC will not require a stocked trout instream construction restriction period for crossings on Bachman Run, Hammer Creek, and Middle Creek and their tributaries, because those crossings are located greater than 0.5 miles upstream of the stocked trout sections and should not impact the stocked trout fisheries.

Stream ID	Stream Name	Coordinates	Instream Construction Restriction Period
S-A17	Snitz Creek	-76.4275, 40.2903	March 1 to June 15 October 1 to December 31
S-A24	Hammer Creek	-76.3501, 40.2871	October 1 to December 31
S-A25	Hammer Creek	-76.3295, 40.2865	October 1 to December 31
S-A23	UNT to Hammer Creek	-76.3601, 40.2869	October 1 to December 31
S-A27	UNT to Hammer Creek	-76.3156, 40.2862	October 1 to December 31
S-A28	UNT to Hammer Creek	-76.3086, 40.2853	October 1 to December 31
S-H7	UNT to Hammer Creek	-76.2914, 40.2855	October 1 to December 31



(PFBC Division of Environmental Services)

Approved  Not Approved   
 See Comments  Withdrawn   
 (Approved)

10/13/2015

(Date)

**Pennsylvania Fish & Boat Commission**

**SUBJECT: Sunoco Pipeline LP**  
 Perry County  
 Jackson, Township of; Toboyne, Township of

**TO:** Pennsylvania Fish and Boat Commission-  
 (DES)  
 450 Robinson Lane  
 Bellefonte, PA 16823

**FROM: (check one)**

NWRO     SWRO     NERO     Central  
 NCRO     SCRO     SERO     Office

<b>Date Received By PFBC: 9/14/2015</b>
<b>Permit No.: E50-258</b>
<b>Permit Type:</b> Encroachment
<b>Contact Information:</b>
<b>DEP-Reviewing Biologist:</b> Andrew McDonald
<b>PFBC Reviewer:</b> Gary Smith

**Project Description**

**Type of work:** Pipeline project with multiple counties on CD's.

**NOTE:** Please review the attached application for a Water Obstruction and Encroachment Permit for the project described above, and return comments to this office within 30 days.

**Project Location/PFBC Stream Management:**

Latitude	Longitude	Primary Water	Receiving Water	Stocked	Wild
40.293100	-77.650400	Horse Valley Run	Tuscarora Creek	No	Yes
40.284200	-77.612500	Sherman Creek	Susquehanna River	No	Yes
40.278200	-77.573100	Shultz Creek	Sherman Creek	Yes	Yes
40.274000	-77.543100	Shaeffer Run	Bull Run	No	Yes
40.268500	-77.514700	Bull Run	Sherman Creek	Yes	No
40.262600	-77.491900	Laurel Run	Sherman Creek	No	Yes
40.261800	-77.489100	South Branch Laurel Run	Laurel Run	No	Yes

**Specific Project Comments:**

The Pennsylvania Fish and Boat Commission manages Sherman Creek from the confluence of Big Spring Run and Hemlock Run downstream to Tuscarora State Forest Boundary and Shaeffer Creek from Unnamed Tributary at second narrows downstream to Tuscarora State Forest Boundary as naturally reproducing, Class A wild trout streams. Class A wild trout stream comprise less than 2% of the flowing water resources in Pennsylvania. Class A wild trout streams support robust populations of naturally reproducing wild trout due to a significant biological, ecological, or environmental condition within the watershed. The PFBC recommends an instream construction restriction for crossings on these streams and tributaries listed in the table below from October 1 through April 1 to protect spawning, egg deposition and incubation, and fry emergence life stage activities of the wild trout population. The PFBC will not issue seasonal restriction waivers for crossings on these streams. The PFBC recommends directional boring or similar technology if the applicant finds it necessary to cross these streams during the seasonal restriction periods. The PFBC recommends that the applicant and contractor understand the implications of this restriction and plan any and all instream construction work accordingly. The UNT to Shaeffer Run enters Shaeffer Run downstream of the Class A section but within the wild trout section; therefore the crossings on the UNT to Shaeffer Run will have the October 1 to December 31 restriction.

The Pennsylvania Fish and Boat Commission manages Horse Valley Run, Shultz Creek, Laurel Run, and South Branch Laurel Run as naturally reproducing, wild trout streams. The PFBC recommends an instream construction

restriction for crossings on these streams and tributaries listed in the table below from October 1 through December 31 to protect spawning and egg deposition behavior of the wild trout population. The PFBC recommends that the applicant and contractor understand the implications of this restriction and plan any and all instream construction work accordingly. The PFBC will not issue seasonal restriction waivers for crossings on these streams. The PFBC recommends directional boring or similar technology if the applicant finds it necessary to cross these streams during the seasonal restriction periods.

The PFBC manages Horse Valley Run, Sherman Creek, Shultz Creek, and Bull Run as stocked trout streams. The PFBC recommends an instream construction restriction period for crossings on Shultz Creek and its tributaries listed in the table below from March 1 through June 15 to avoid interference with recreational angling activities. The PFBC recommends that the applicant and contractor understand the implications of this restriction and plan any and all instream construction work accordingly. The PFBC will not issue seasonal restriction waivers for crossings on these streams. The PFBC recommends directional boring or similar technology if the applicant finds it necessary to cross these streams during the seasonal restriction periods. The PFBC will not require a stocked trout instream construction restriction period for crossings on Horse Valley Run, Sherman Creek, and Bull Run and their tributaries, because those crossings are located greater than 0.5 miles upstream of the stocked trout sections and should not impact the stocked trout fisheries.

Stream ID	Stream Name	Coordinates	Instream Construction Restriction Period
S-L4	UNT to Horse Valley Run	-77.6462, 40.2921	October 1 to December 31
S-K53	Sherman Creek	-77.6125, 40.2842	October 1 to April 1
S-K50	UNT to Sherman Creek	-77.5996, 40.2824	October 1 to April 1
S-K51	UNT to Sherman Creek	-77.6105, 40.2842	October 1 to April 1
S-K52	UNT to Sherman Creek	-77.6125, 40.2841	October 1 to April 1
S-L1	UNT to Sherman Creek	-77.6210, 40.2864	October 1 to April 1
S-L3	UNT to Sherman Creek	-77.6244, 40.2875	October 1 to April 1
S-Q65	Shultz Creek	-77.5731, 40.2782	March 1 to June 15 October 1 to December 31
S-Q63	UNT to Shultz Creek	-77.5752, 40.2788	March 1 to June 15 October 1 to December 31
S-Q64	UNT to Shultz Creek	-77.5754, 40.2787	March 1 to June 15 October 1 to December 31
S-Q66	UNT to Shultz Creek	-77.5721, 40.2783	March 1 to June 15 October 1 to December 31
S-Q67	UNT to Shultz Creek	-77.5715, 40.2781	March 1 to June 15 October 1 to December 31
S-K48	Shaeffer Run	-77.5431, 40.2740	October 1 to April 1
S-J72	UNT to Shaeffer Run	-77.5356, 40.2730	October 1 to December 31
S-J74	UNT to Shaeffer Run	-77.5395, 40.2735	October 1 to December 31
S-J75	UNT to Shaeffer Run	-77.5393, 40.2736	October 1 to December 31
S-J76	UNT to Shaeffer Run	-77.5396, 40.2736	October 1 to December 31
S-J60	Laurel Run	-77.4919, 40.2626	October 1 to December 31
S-J61	UNT to Laurel Run	-77.4909, 40.2622	October 1 to December 31
S-J64	UNT to Laurel Run	-77.4851, 40.2608	October 1 to December 31
S-J65	UNT to Laurel Run	-77.4846, 40.2606	October 1 to December 31
S-J68	UNT to Laurel Run	-77.4780, 40.2588	October 1 to December 31
S-J69	UNT to Laurel Run	-77.4776, 40.2587	October 1 to December 31
S-J62	South Branch Laurel Run	-77.4891, 40.2618	October 1 to December 31
S-J63	UNT to South Branch Laurel Run	-77.4896, 40.2621	October 1 to December 31

Mary A. Smith

(PFBC Division of Environmental Services)

Approved  Not Approved

See Comments  Withdrawn

(Approved)

10/8/2015

(Date)

**Pennsylvania Fish & Boat Commission**

**SUBJECT: Sunoco Pipeline LP**  
 York County  
 Fairview, Township of

**TO:** Pennsylvania Fish and Boat Commission-  
 (DES)  
 450 Robinson Lane  
 Bellefonte, PA 16823

**FROM: (check one)**

- NWRO     SWRO     NERO     Central  
 NCRO     SCRO     SERO     Office

<b>Date Received By PFBC: 9/14/2015</b>
<b>Permit No.: E67-920</b>
<b>Permit Type:</b> Encroachment
<b>Contact Information:</b>
<b>DEP-Reviewing Biologist:</b> Andrew McDonald
<b>PFBC Reviewer:</b> Gary Smith

**Project Description**

**Type of work:** Pipeline project with multiple counties on CD's.

**NOTE:** Please review the attached application for a Water Obstruction and Encroachment Permit for the project described above, and return comments to this office within 30 days.

**Project Location/PFBC Stream Management:**

Latitude	Longitude	Primary Water	Receiving Water	Stocked	Wild
40.192200	-76.895800	UNT to Yellow Breeches Creek (rm 6.61)	Yellow Breeches Creek	No	No
40.192300	-76.874900	UNT to Yellow Breeches Creek (rm 0.73)	Yellow Breeches Creek	No	No
40.191400	-76.841100	UNT to Marsh Run	Marsh Run	No	No
40.194300	-76.811700	UNT to Susquehanna River	Susquehanna River	No	No
40.198200	-76.801900	UNT to Susquehanna River	Susquehanna River	No	No

**Specific Project Comments:**

The Pennsylvania Fish and Boat Commission manages Yellow Breeches Creek as a stocked trout water. The PFBC will not require a stocked trout instream construction restriction period for crossings on UNTs to Yellow Breeches Creek, because those crossings are located greater than 0.5 miles upstream of the stocked trout sections and should not impact the stocked trout fisheries.

The PFBC found no significant impact to the aquatic resources of York County as a result of the proposed actions of this project as long as all required E&S Controls are properly implemented. This finding was a result of a permit application review. An actual field assessment may reveal additional information not presented in the permit application.

I recommend that any release of sediment to the stream should be reason to initiate contact with the PFBC Bureau of Law Enforcement to address these issues. Any unauthorized disturbance, unpermitted discharge, or release of sediment(s) that is determined to be a pollution event (generally described <http://www.fish.state.pa.us/fishpub/summary/reporting.html>) per the Pennsylvania Fish and Boat Code will be subject to the appropriate legal enforcement action. PFBC Bureau of Law Enforcement Regional Offices (NC 814-359-5250; NE 570-477-5717; NW 814-337-0444; SW 814-445-8974

Mary A. Smith

(PFBC Division of Environmental Services)

Approved  Not Approved

See Comments  Withdrawn

(Approved)

10/8/2015

(Date)

**Pennsylvania Fish & Boat Commission**