



June 30, 2016

Gary A. Smith, Fisheries Biologist
PA Fish & Boat Commission
Division of Environmental Services, Natural Gas Section
236 Lake Road
Somerset, PA 15501

RE: **Sunoco Pipeline, L.P. – Pennsylvania Pipeline Project**
Seasonal Construction Restriction Requests for Trout Waters in PADEP Southwest Region
– Indiana and Cambria Counties

Dear Mr. Smith,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech, Inc. (Tetra Tech) requests the Pennsylvania Fish and Boat Commission's (PAFBC's) review of this request to clarify allowable activities and remove seasonal trout stream construction restrictions at specific stream crossings for SPLP's Pennsylvania Pipeline Project (Project). This request covers where the project is aligned within the Pennsylvania Department of Environmental Protection's (PADEP's) Southwest Region and includes the crossing of the pipelines through Washington, Allegheny, Westmoreland, Indiana, and Cambria counties. No trout streams were identified in Washington, Allegheny, or Westmoreland counties, however. We appreciate your forward of the PAFBC's October 2015 comments that were provided to PADEP regarding the project's Chapter 105 Water Obstruction and Encroachment Permit application. In those documents, the PAFBC provided recommendations for seasonal trout stream restrictions on in-stream construction activities. Those comment documents provided to PADEP are included in Attachment A.

PAFBC is aware the restrictions are numerous and distributed across almost every county and at a variety of times of the year. Given the linear nature of the project, un-impeded access to the right-of-way (ROW) and extra workspaces is important to keep each phase of the project moving and in essence shorten the duration of the installation process. A shorter construction schedule mutually benefits several stakeholders, including SPLP, the Commonwealth, private landowners, and the natural environment.

A shorter duration allows the project to move faster from initial earth disturbance to final restoration. A shorter duration provides less exposure of the disturbed areas to the elements and provides less risk to the Commonwealth waters due to erosion and sedimentation. In addition, un-impeded access causes less construction "move-arounds", where crews and heavy equipment need to be hauled from one location to another rather than progressing through an area. Move-arounds are a major safety concern as they require roadways to be traffic controlled and crews to facilitate heavy equipment loading and unloading. Roadway traffic with work equipment is greatly increased. Impeded access also causes increased traffic and disturbance down the ROW. Doubling back will be required at restricted locations, whereas normal access would allow for a single pass of each construction phase.

SPLP is very aware of the importance of the trout fishery (stocked and naturally reproducing) to the ecology of each area, as well as the economic and recreational importance of the fishery to the Commonwealth and is intent on adhering to the PAFBC restrictions. To plan for more efficient and safer construction and ensure compliance with the restrictions, SPLP requests clarification in regards to what construction activities would be allowed during the construction restrictions and the reconsideration of the application of the restriction on the particular waters identified.

Tetra Tech

301 Ellicott St, Buffalo, New York 14203
Tel 716.849.9419 Fax 716.849.9420 www.tetrattech.com

Clarification Request

Installation and use of temporary equipment bridges is important to keep all phases of the project moving reducing overall construction duration. SPLP plans to install and use equipment bridges at restricted streams before, during, and after the restriction, with the understanding that the bridges will be installed above the ordinary high-water mark and used without in-stream disturbance. SPLP also plans to install equipment bridges that require an in-stream support before the restriction period for use during the restriction period. In-stream support is generally required at streams with a width greater than 15 feet. The streams where a mid-stream support will be needed are identified in Attachment B and photographs provided in Attachment C. Additionally, no materials or equipment will enter the stream below ordinary high water during construction of the bridges. SPLP feels that these actions meet the stipulation of no-instream work during the restriction periods and seek PAFBC concurrence with our approach to equipment bridge installation so compliance can be ensured.

Restriction Waiver Request

SPLP has reviewed each restricted water and requests a waiver of the restriction placed on the list of streams provided in Attachment B. SPLP is requesting the waiver due the ephemeral flow regime of these streams, limited disturbance associated with installation, and use of approved BMPs to control erosion and sedimentation. A digital version of the Erosion and Sediment Control Plans (including typicals and site specific crossings where applicable) is provided in Attachment D (CD).

The streams where SPLP is requests a waiver have been field delineated as ephemeral and are minor in size. Photographs of each of these streams listed in Attachment B are provided in Attachment C. We understand that the PAFBC's main concern at these waters is the indirect impacts to downstream trout inhabited waters from project related sedimentation. Although SPLP has a 50-foot-wide construction ROW through these streams, in-stream disturbance is limited to the trench line. The travel lane will be bridged and the trenching of these streams will be from the bank. Spoil is placed outside of the banks and protected from re-entry through standard, PADEP approved erosion and sediment control BMPs. Travel through with heavy equipment will not be allowed unless on an equipment bridge. The trench is excavated with equipment staged on the banks. If the stream is flowing during the construction, a dry crossing technique will be implement to ensure unimpeded stream flow. Crossings of these minor waters are completed within a 24 hour period. The PADEP Chapter 105 and 102 permits will be adhered to and followed to ensure erosion and sedimentation is controlled to its fullest extent. Given the minor nature of the impacts, short duration, lack of perennial or intermittent flow, SPLP feels that larger benefits of allowing un-impeded construction through these areas will allow for greater protection of the Commonwealth's waters and increase project safety.

All appropriate federal, state, and local permits are either on file or currently being processed. No construction of the Project in regulated areas will commence until all authorizations, permits, and permissions are obtained by SPLP. SPLP will notify PAFBC when construction commences and welcome any field visits by PAFBC during construction.

SPLP appreciates your review of this request and have provided latest project workspaces and aquatic resource ArcGIS shapefiles on the enclosed CD to help facilitate your review. If any additional information is needed, please contact me by phone at (716)-849-9419 or by email at Brad.Schaeffer@TetraTech.com

Sincerely,
Tetra Tech, Inc.



Brad Schaeffer
Environmental Project Manager

Enclosures
Attachments

Cc: Matthew Gordon, SXL
Chris Embry, SXL
Monica Styles, SXL
Pat Green, Tetra Tech
Rob Simcik, Tetra Tech
Sandy Lare, Tetra Tech

Attachment A
PAFBC Timing Restriction Recommendations to PADEP

SUBJECT: Sunoco Pipeline LP
 Allegheny County
 Elizabeth, Township of; Forward, 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: 8/14/2015
Permit No.: E02-1718
Permit Type: Encroachment
Contact Information:
DEP-Reviewing Biologist: Mike Engelhardt
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
40.230000	-79.970900	Monongahela River	Ohio River	No	No
40.228100	-79.932900	Kelly Run	Monongahela River	No	No
40.223100	-79.885600	Sunfish Run	Monongahela River	No	No
40.221400	-79.821900	Long Hollow	Gillespie Run	No	No
40.230500	-79.943600	Bunola Run	Monongahela River	No	No
40.222400	-79.911500	Perry Mill Run	Monongahela River	No	No

Specific Project Comments:

The Pennsylvania Fish and Boat Commission found no significant impact to the aquatic resources of the Monongahela River, Kelly Run, Sunfish Run, Gillespie Run, Bunola Run, Perry Mill Run, Becketts Run, and Pollock Run watersheds 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

9/10/2015

Withdrawn

(Date)

(Approved)

Pennsylvania Fish & Boat Commission

SUBJECT: Sunoco Pipeline LP
 Cambria County
 Cambria, Township of; Cresson, Township of;
 Jackson, Township of; Munster, Township of;
 Washington, 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: 8/14/2015
Permit No.: E11-352

Permit Type: Encroachment
Contact Information:
DEP-Reviewing Biologist: Mike Engelhardt
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
40.432800	-78.781500	Stewart Run	South Branch Blacklick Creek	No	Yes
40.449500	-78.605900	Little Conemaugh River	Conemaugh River	No	No
40.452500	-78.685200	North Branch Little Conemaugh River	Little Conemaugh River	Yes	No
40.415700	-78.866100	Hinckston Run	Conemaugh River	Yes	No
40.419200	-78.885100	Laurel Run	Conemaugh River	No	Yes
40.445200	-78.729900	Roaring Run	Howells Run	No	No
40.422700	-78.825800	Saltlick Run	Little Conemaugh River	No	Yes

Specific Project Comments:

The Pennsylvania Fish and Boat Commission manages Findley Run, Laurel Run, Saltlick Run, Stewart Run, Howells Run, Bear Rock Run, and Blair Run as naturally reproducing, wild trout streams. The PFBC recommends an instream construction restriction for crossings on these streams and their tributaries (except Howells Run and tribs) 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 crossings on Howells Run and its tributaries are downstream of the wild trout section of Howells Run; therefore, the PFBC will not recommend a wild trout instream construction restriction period for Howells Run.

The PFBC manages Laurel Run, Hinckston Run, Stewart Run, Howells Run, North Branch Little Conemaugh River, and Noels Creek as stocked trout streams. The PFBC recommends an instream construction restriction period for crossings on Howells Run 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 Laurel Run, Hinckston Run, Stewart Run, North Branch Little Conemaugh River, and Noels 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-BB61	UNT to Findley Run	40.4243,-78.9389	October 1 to December 31
S-N56	UNT to Findley Run	40.4247,-78.9248	October 1 to December 31
S-N59	UNT to Findley Run	40.4256,-78.9301	October 1 to December 31
S-N61	UNT to Findley Run	40.4265,-78.9386	October 1 to December 31
S-N62	UNT to Findley Run	40.4270,-78.9439	October 1 to December 31
S-N63	UNT to Findley Run	40.4271,-78.9447	October 1 to December 31
S-N64	UNT to Findley Run	40.4271,-78.9453	October 1 to December 31
S-N45	UNT to Laurel Run	40.4194,-78.8846	October 1 to December 31
S-N46	UNT to Laurel Run	40.4196,-78.8851	October 1 to December 31
S-N48	UNT to Laurel Run	40.4197,-78.8877	October 1 to December 31
S-N49	UNT to Laurel Run	40.4207,-78.896	October 1 to December 31
S-N50	UNT to Laurel Run	40.4208,-78.8962	October 1 to December 31
S-N51	UNT to Laurel Run	40.4209,-78.8972	October 1 to December 31
S-N52	UNT to Laurel Run	40.4212,-78.8977	October 1 to December 31
S-N53	UNT to Laurel Run	40.4223,-78.9062	October 1 to December 31
S-N54	UNT to Laurel Run	40.4221,-78.9057	October 1 to December 31
S-O30	UNT to Saltlick Run	40.4245,-78.8177	October 1 to December 31
S-O31	UNT to Saltlick Run	40.4250,-78.8158	October 1 to December 31
S-O33	UNT to Saltlick Run	40.4275,-78.8046	October 1 to December 31
S-O34	UNT to Saltlick Run	40.4307,-78.7921	October 1 to December 31
S-O36	UNT to Saltlick Run	40.4309,-78.7903	October 1 to December 31
S-O37	UNT to Saltlick Run	40.4206,-78.8348	October 1 to December 31
S-O38	UNT to Saltlick Run	40.4195,-78.8416	October 1 to December 31
S-O45	UNT to Saltlick Run	40.4250,-78.8175	October 1 to December 31
S-O48	UNT to Saltlick Run	40.4245,-78.8174	October 1 to December 31
S-O50	UNT to Saltlick Run	40.4241,-78.8193	October 1 to December 31
S-O51	UNT to Saltlick Run	40.4241,-78.8196	October 1 to December 31
S-O52	UNT to Saltlick Run	40.4240,-78.8201	October 1 to December 31
S-O54	UNT to Saltlick Run	40.4236,-78.8213	October 1 to December 31
S-O56	UNT to Saltlick Run	40.4232,-78.8233	October 1 to December 31
S-O59	Saltlick Run	40.4227,-78.8258	October 1 to December 31
S-O60	UNT to Saltlick Run	40.4227,-78.8256	October 1 to December 31
S-CC1	UNT to Stewart Run	40.4370,-78.7635	October 1 to December 31
S-CC4	Stewart Run	40.4328,-78.7815	October 1 to December 31
S-CC5	UNT to Stewart Run	40.4331,-78.7819	October 1 to December 31
S-CC6	UNT to Stewart Run	40.4330,-78.7812	October 1 to December 31
S-CC7	UNT to Stewart Run	40.4339,-78.7763	October 1 to December 31
S-O21	Roaring Run	40.4452,-78.7299	March 1 to June 15

S-O23	UNT to Roaring Run	40.4447,-78.7314	March 1 to June 15
S-O15	UNT to Howells Run	40.4477,-78.7174	March 1 to June 15
S-O16	UNT to Howells Run	40.4477,-78.718	March 1 to June 15
S-O17	UNT to Howells Run	40.4467,-78.7225	March 1 to June 15
S-O18	UNT to Howells Run	40.4465,-78.7233	March 1 to June 15
S-O19	UNT to Howells Run	40.4464,-78.7228	March 1 to June 15
S-O20	UNT to Howells Run	40.4463,-78.7238	March 1 to June 15
S-N1	UNT to Howells Run	40.4489,-78.7125	March 1 to June 15
S-N4	UNT to Howells Run	40.4497,-78.7085	March 1 to June 15
S-N8	UNT to Howells Run	40.4502,-78.7066	March 1 to June 15
S-N10	UNT to Howells Run	40.4509,-78.7044	March 1 to June 15
S-N13	UNT to Howells Run	40.4519,-78.7005	March 1 to June 15
S-N14	UNT to Howells Run	40.4520,-78.7008	March 1 to June 15
S-L94	UNT to Bear Rock Run	40.4085,-78.5563	October 1 to December 31
S-Q71	UNT to Blair Run	40.4092, -78.5585	October 1 to December 31

Mary A. Smith

(PFBC Division of Environmental Services)

Approved Not Approved

See Comments Withdrawn

(Approved)

10/16/2015

(Date)

Pennsylvania Fish & Boat Commission

SUBJECT: Sunoco Pipeline LP
 Indiana County
 Burrell, Township of; East Wheatfield,
 Township of; West Wheatfield, Township of

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

Date Received By PFBC: 8/14/2015
Permit No.: E32-508
Permit Type: Encroachment
Contact Information:
DEP-Reviewing Biologist: Mike Engelhardt
PFBC Reviewer: Gary Smith

FROM: (check one)

- NWRO SWRO NERO Central
 NCRO SCRO SERO Office

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
40.436800	-79.118000	West Branch Richards Run	Richards Run	No	No
40.444300	-79.202200	Toms Run	Conemaugh River	Yes	Yes
40.430200	-78.958100	Findley Run	Conemaugh River	No	Yes
40.433300	-79.078600	East Branch Richards Run	Richards Run	No	No
40.431800	-79.039200	UNT (west) to UNT to Conemaugh River (rm 42.69)	Unt To Conemaugh River (rm 42.69)	No	Yes

Specific Project Comments:


The Pennsylvania Fish and Boat Commission manages Toms Run and Findley Run 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 Toms Run as stocked trout stream. The PFBC recommends an instream construction restriction period for some crossings on this stream 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 an instream construction restriction period for the other Toms Run crossings because those crossings are located greater than 0.5 miles upstream of the stocked trout sections and should not impact the stocked trout fisheries.

On August 25, 2015, the PFBC surveyed UNT to Conemaugh River (rm 42.69) at 40.42026, -79.02709 and UNT (West) to UNT to Conemaugh River (rm 42.69) at 40.42147, -79.02813 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.

Stream ID	Stream Name	Coordinates	Instream Construction Restriction Period
S-N87	Toms Run	40.4443, -79.2022	March 1 to June 15 October 1 to December 31
S-N88	Toms Run	40.4442, -79.2024	March 1 to June 15 October 1 to December 31
S-N89	UNT to Toms Run	40.4438, -79.2021	March 1 to June 15 October 1 to December 31
S-N90	UNT to Toms Run	40.4398, -79.1763	October 1 to December 31
S-N91	UNT to Toms Run	40.4395, -79.1696	October 1 to December 31
S-O109	UNT to Toms Run	40.4391, -79.1639	October 1 to December 31
S-O110	UNT to Toms Run	40.4393, -79.1647	October 1 to December 31
S-O111	UNT to Toms Run	40.4395, -79.1683	October 1 to December 31
S-O63	UNT to Findley Run	40.4329, -78.9727	October 1 to December 31
S-O64	UNT to Findley Run	40.4325, -78.9741	October 1 to December 31
S-O66	UNT to Findley Run	40.4336, -78.9832	October 1 to December 31
S-O69	UNT to Findley Run	40.4308, -78.9638	October 1 to December 31
S-O70	UNT to Findley Run	40.4310, -78.9644	October 1 to December 31
S-O72	Findley Run	40.4302, -78.9581	October 1 to December 31
S-O73	UNT to Findley Run	40.4299, -78.9555	October 1 to December 31
S-O74	UNT to Findley Run	40.4295, -78.9542	October 1 to December 31
S-O76	UNT to Findley Run	40.4291, -78.9932	October 1 to December 31
S-O77	UNT to Findley Run	40.4293, -78.9936	October 1 to December 31
S-O78	UNT to Findley Run	40.4302, -78.996	October 1 to December 31
S-N75	UNT (East) to UNT to Conemaugh River (rm 42.69)	40.4304, -79.0265	October 1 to December 31
S-N76	UNT (West) to UNT to Conemaugh River (rm 42.69)	40.4314, -79.0369	October 1 to December 31
S-O93	UNT (West) to UNT to Conemaugh River (rm 42.69)	40.4314, -79.0406	October 1 to December 31
S-O94	UNT (West) to UNT to Conemaugh River (rm 42.69)	40.4315, -79.0392	October 1 to December 31
S-O96	UNT (West) to UNT to Conemaugh River (rm 42.69)	40.4316, -79.0389	October 1 to December 31



(PFBC Division of Environmental Services)

Approved Not Approved

See Comments Withdrawn

10/16/2015

(Date)

(Approved)

Pennsylvania Fish & Boat Commission

SUBJECT: Sunoco Pipeline LP
 Washington County
 Chartiers, Township of; North Strabane,
 Township of; Nottingham, Township of; Union,
 Township of

Date Received By PFBC: 8/14/2015
Permit No.: E63-674

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

Permit Type: Encroachment
Contact Information:
DEP-Reviewing Biologist: Mike Engelhardt
PFBC Reviewer: Gary Smith

FROM: (check one)

NWRO SWRO NERO Central
 NCRO SCRO SERO Office

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
40.234800	-80.212500	Chartiers Creek	Ohio River	No	No
40.261100	-80.265600	Chartiers Run	Chartiers Creek	No	No
40.235700	-80.135300	Little Chartiers Creek	Chartiers Creek	Yes	No
40.230800	-79.996600	Froman Run	Mingo Creek	No	No
40.235600	-80.090700	Peters Creek	Monongahela River	No	No

Specific Project Comments:

The PFBC manages Little Chartiers Creek and Mingo Creek as stocked trout streams. The PFBC recommends an instream construction restriction period for S14 UNT to Little Chartiers Creek 40.2303, -80.1486 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 an instream construction restriction period for S16 Little Chartiers Creek and S250 UNT to Little Chartiers Creek crossings due to the use of HDD. The PFBC will not require an instream construction restriction period for other Little Chartiers Creek crossings because those crossings are located greater than 0.5 miles upstream of the stocked trout section and should not impact the stocked trout fishery. The PFBC will not require an instream construction restriction period for all of the Mingo Creek tributaries crossings because those crossings are located greater than 0.5 miles upstream of the stocked trout section or are located downstream of the stocked trout section and should not impact the stocked trout fishery.

Mary A. Smith

(PFBC Division of Environmental Services)

Approved Not Approved

See Comments Withdrawn

(Approved)

10/16/2015

(Date)

Pennsylvania Fish & Boat Commission

SUBJECT: Sunoco Pipeline LP
 Westmoreland County
 Derry, Township of; Hempfield, Township of;
 Jeannette, City of; Loyalhanna, Township of;
 Murrysville, Municipality of; Penn, Township of;
 Rostover, Township of; Salem, Township of;
 Sewickley, Township of; South Huntingdon,
 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: 8/14/2015

Permit No.: E65-973

Permit Type: Encroachment

Contact Information:

DEP-Reviewing Biologist: Mike Engelhardt

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
40.228600	-79.772700	Youghiogheny River	Monongahela River	Yes	No
40.221000	-79.787000	Pollock Run	Youghiogheny River	No	No
40.263400	-79.687800	Little Sewickley Creek	Sewickley Creek	No	No
40.330000	-79.632600	Brush Creek	Turtle Creek	No	No
40.362900	-79.631100	Bushy Run	Brush Creek	No	No
40.416700	-79.606900	Turtle Creek	Monongahela River	Yes	No
40.237700	-79.751500	Sewickley Creek	Youghiogheny River	Yes	No
40.428800	-79.517900	Porters Run	Beaver Run	No	No
40.442000	-79.343200	Spruce Run	Conemaugh River	No	No
40.440200	-79.375000	Boatyard Run	Conemaugh River	No	No
40.436500	-79.454000	Serviceberry Run	Loyalhanna Creek	No	No
40.425900	-79.552400	Beaver Run	Kiskiminetas River	No	No

**Specific Project
 Comments:**

The PFBC manages sections of Youghiogheny River, Sewickley Creek, Loyalhanna Creek, and Turtle Creek as stocked trout streams. The PFBC will not require an instream construction restriction period for these waters because the crossings are located greater than 0.5 miles upstream of the stocked trout section or are located downstream of the stocked trout section and should not impact the stocked trout fisheries.

The Pennsylvania Fish and Boat Commission found no significant impact to the aquatic resources of the Youghiogheny River, Sewickley Creek, Turtle Creek, Beaver Run, and Conemaugh River watersheds 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
(Approved)

9/10/2015

(Date)

Pennsylvania Fish & Boat Commission

Attachment B
Streams Where SPLP Requests a Timing Restriction Waiver

County/ Permit Number	Stream ID	Stream Name	Flow Regime	Bank Width	Coordinates	Permanent Floodway Impact ¹	Temporary Floodway Impact ²	Direct Impact ³	Crossing Type	PAFBC Designation	No Construction ⁴	In-stream Support Needed	Ephemeral Waiver Request
Indiana E32-508	S-N88	Toms Run	Perennial	18	40.4442 -79.2024	0.466	0.141	1,206	Dry Crossing	ATW, STS, TNR	3/1-6/15 and 10/1-12/31	Y	n/a
Indiana E32-508	S-N89	UNT to Toms Run	Ephemeral	3	40.4438 -79.2021	0.466	0.141	774	Dry Crossing	Drains to ATW, STS, TNR	3/1-6/15 and 10/1-12/31	n/a	Y
Indiana E32-508	S-N90	UNT to Toms Run	Perennial	20	40.4398 -79.1763	0.244	0.045	1,500	Dry Crossing	Drains to TNR	10/1 - 12/31	Y	n/a
Indiana E32-508	S-O93	UNT to Conemaugh River	Ephemeral	1	40.4314 -79.0406	0.183	0.052	62	Dry Crossing	TNR	10/1 - 12/31	n/a	Y
Indiana E32-508	S-O96	UNT to Conemaugh River	Ephemeral	3	40.4316 -79.0389	0.361	0.051	168	Dry Crossing	TNR	10/1 - 12/31	n/a	Y
Indiana E32-508	S-O76	UNT to Findley Run	Perennial	27	40.4291 -78.9932	0.199	0.081	3,186	Dry Crossing	Drains to TNR	10/1-12/31	Y	n/a
Indiana E32-508	S-O63	UNT to Findley Run	Ephemeral	2	40.4329 -78.9727	0.678	0.140	170	Dry Crossing	Drains to TNR	10/1-12/31	n/a	Y
Indiana E32-508	S-O70	UNT to Findley Run	Ephemeral	4	40.4310 -78.9644	0.312	0.102	304	Dry Crossing	Drains to TNR	10/1-12/31	n/a	Y
Indiana E32-508	S-O72	Findley Run	Perennial	22	40.4302 -78.9581	0.307	0.183	2,002	Dry Crossing	TNR	10/1-12/31	Y	n/a
Cambria E11-352	S-BB61	UNT to Findley Run	Perennial	16	40.4243 -78.9389	-	0.076	384	Temporary Bridge	Drains to TNR	10/1-12/31	Y	n/a
Cambria E11-352	S-N61	UNT to Findley Run	Ephemeral	5	40.4265 -78.9386	0.169	0.047	235	Dry Crossing	Drains to TNR	10/1-12/31	n/a	Y
Cambria E11-352	S-N59	UNT to Findley Run	Ephemeral	4	40.4256 -78.9301	0.175	0.048	168	Dry Crossing	Drains to TNR	10/1-12/31	n/a	Y
Cambria E11-352	S-N56	UNT to Findley Run	Ephemeral	3	40.4247 -78.9248	0.257	0.051	216	Dry Crossing	Drains to TNR	10/1-12/31	n/a	Y
Cambria E11-352	S-N54	UNT to Laurel Run	Ephemeral	3	40.4221 -78.9057	0.462	0.176	225	Dry Crossing	Drains to TNR	10/1-12/31	n/a	Y
Cambria E11-352	S-N50	UNT to Laurel Run	Ephemeral	5	40.4208 -78.8962	0.250	0.053	415	Dry Crossing	Drains to TNR	10/1-12/31	n/a	Y
Cambria E11-352	S-N46	UNT to Laurel Run	Perennial	18	40.4196 -78.8851	0.333	0.150	900	Dry Crossing	Drains to TNR	10/1-12/31	Y	n/a
Cambria E11-352	S-O59	Saltlick Run	Perennial	30	40.4227 -78.8258	0.269	0.048	1,560	Dry Crossing	TNR	10/1-12/31	Y	n/a
Cambria E11-352	S-O60	UNT to Saltlick Run	Ephemeral	4	40.4227 -78.8256	0.269	0.048	204	Dry Crossing	Drains to TNR	10/1-12/31	n/a	Y
Cambria E11-352	S-O52	UNT to Saltlick Run	Ephemeral	2	40.4240 -78.8201	1.608	0.244	104	Dry Crossing	Drains to TNR	10/1-12/31	n/a	Y
Cambria E11-352	S-O51	UNT to Saltlick Run	Ephemeral	4	40.4241 -78.8196	1.608	0.244	204	Dry Crossing	Drains to TNR	10/1-12/31	n/a	Y
Cambria E11-352	S-O30	UNT to Saltlick Run	Perennial	22	40.4245 -78.8177	1.608	0.244	4,202	Dry Crossing	Drains to TNR	10/1-12/31	Y	n/a
Cambria E11-352	S-O36	UNT to Saltlick Run	Ephemeral	1	40.4309 -78.7903	0.217	0.109	51	Dry Crossing	Drains to TNR	10/1-12/31	n/a	Y

County/ Permit Number	Stream ID	Stream Name	Flow Regime	Bank Width	Coordinates	Permanent Floodway Impact ¹	Temporary Floodway Impact ²	Direct Impact ³	Crossing Type	PAFBC Designation	No Construction ⁴	In-stream Support Needed	Ephemeral Waiver Request
Cambria E11-352	S-CC4	Stewart Run	Perennial	15	40.4328 -78.7815	0.462	0.174	795	Dry Crossing	TNR	10/1 - 12/31	Y	n/a
Cambria E11-352	S-CC7	UNT to Stewart Run	Perennial	20	40.4339 -78.7763	0.264	0.141	2,740	Dry Crossing	Drains to TNR	10/1 - 12/31	Y	n/a
Cambria E11-352	S-CC1	UNT to Stewart Run	Ephemeral	2	40.4370 -78.7635	0.135	0.028	120	Bore/ Temporary Bridge	Drains to TNR	10/1 - 12/31	n/a	Y
Cambria E11-352	S-O23	UNT to Roaring Run	Ephemeral	3	40.4447 -78.7314	0.841	0.154	384	Dry Crossing	Drains to STS	3/1-6/15	n/a	Y
Cambria E11-352	S-O21	Roaring Run	Perennial	15	40.4452 -78.7299	0.841	0.154	2,295	Dry Crossing	STS	3/1-6/15	Y	n/a
Cambria E11-352	S-O20	UNT to Howells Run	Ephemeral	3	40.4463 -78.7238	0.765	0.054	201	Dry Crossing	Drains to ATW, STS	3/1-6/15	n/a	Y
Cambria E11-352	S-O19	UNT to Howells Run	Ephemeral	5	40.4464 -78.7228	0.765	0.054	285	Dry Crossing	Drains to ATW, STS	3/1-6/15	n/a	Y
Cambria E11-352	S-O17	UNT to Howells Run	Perennial	20	40.4467 -78.7225	0.765	0.054	1,500	Dry Crossing	STS, Drains to ATW	3/1-6/15	Y	n/a
Cambria E11-352	S-O16	UNT to Howells Run	Ephemeral	4	40.4477 -78.7180	0.373	0.099	240	Dry Crossing	Drains to ATW, STS	3/1-6/15	n/a	Y
Cambria E11-352	S-O15	UNT to Howells Run	Ephemeral	2	40.4477 -78.7174	0.373	0.099	142	Dry Crossing	Drains to ATW, STS	3/1-6/15	n/a	Y
Cambria E11-352	S-N4	UNT to Howells Run	Ephemeral	2	40.4497 -78.7085	0.235	0.026	34	Dry Crossing	Drains to ATW, STS	3/1-6/15	n/a	Y
Cambria E11-352	S-N8	UNT to Howells Run	Ephemeral	3	40.4502 -78.7066	0.113	0.049	15	Dry Crossing	Drains to ATW, STS	3/1-6/15	n/a	Y
Cambria E11-352	S-Q71	Blair Run	Ephemeral	4	40.4092 -78.5585	0.520	0.123	408	Dry Crossing	Drains to TNR	10/1-12/31	n/a	Y

Notes

1. Permanent Floodway Impact (acres) refers to the area of the 50-foot floodway or the designated FEMA floodway within the Permanently Maintained Right-of-Way. At most crossings, this is a 50-foot wide corridor. At travel lanes and clearing only areas, this is approximately 20 foot wide. In other HDDs, it is approximately 3 foot wide. Many streams share floodway impact with other streams due to overlap of mapped floodways.
2. Temporary Floodway Impact (acres) refers to the area of the 50-foot floodway or the designated FEMA floodway within the Temporary Construction Right-of-Way areas. Many streams share floodway impact with other streams due to overlap of mapped floodways.
3. Direct Impact (square foot) refers to the approximate square footage of substrate in the construction Right-of-Way. In general, much less of the substrate will actually be disturbed during construction due to the placement of bridges and dam/flume equipment. Trenches at stream crossings are much smaller than the actual workspace needed.
4. This is the trout stream construction restriction recommended by PAFBC to PADEP during consultation.

Attachment C
Photolog

PENNSYLVANIA PIPELINE PROJECT TROUT STREAM WAIVER REQUEST PHOTOGRAPHIC LOG

Company: Sunoco Pipeline, L.P.
Project: Pennsylvania Pipeline Project
County: Indiana
Permit No.: E32-508



Photo No.: 1
Direction: Upstream
Comments: S-N88



Photo No.: 2
Direction: Downstream
Comments: S-N88



Photo No.: 3
Direction: Upstream
Comments: S-N89



Photo No.: 4
Direction: Downstream
Comments: S-N89

PENNSYLVANIA PIPELINE PROJECT TROUT STREAM WAIVER REQUEST PHOTOGRAPHIC LOG

Company: Sunoco Pipeline, L.P.
Project: Pennsylvania Pipeline Project
County: Indiana
Permit No.: E32-508



Photo No.: 5
Direction: Upstream
Comments: S-N90



Photo No.: 6
Direction: Downstream
Comments: S-N90



Photo No.: 7
Direction: Upstream
Comments: S-O93



Photo No.: 8
Direction: Downstream
Comments: S-O93

PENNSYLVANIA PIPELINE PROJECT TROUT STREAM WAIVER REQUEST PHOTOGRAPHIC LOG

Company: Sunoco Pipeline, L.P.
Project: Pennsylvania Pipeline Project
County: Indiana
Permit No.: E32-508



Photo No.: 13
Direction: Upstream
Comments: S-096



Photo No.: 14
Direction: Downstream
Comments: S-096



Photo No.: 15
Direction: Upstream
Comments: S-076



Photo No.: 16
Direction: Downstream
Comments: S-076

PENNSYLVANIA PIPELINE PROJECT TROUT STREAM WAIVER REQUEST PHOTOGRAPHIC LOG

Company: Sunoco Pipeline, L.P.
Project: Pennsylvania Pipeline Project
County: Indiana
Permit No.: E32-508



Photo No.: 17
Direction: Upstream
Comments: S-O63



Photo No.: 18
Direction: Downstream
Comments: S-O63



Photo No.: 19
Direction: Upstream
Comments: S-O70



Photo No.: 20
Direction: Downstream
Comments: S-O70

PENNSYLVANIA PIPELINE PROJECT TROUT STREAM WAIVER REQUEST PHOTOGRAPHIC LOG

Company: Sunoco Pipeline, L.P.
Project: Pennsylvania Pipeline Project
County: Indiana, Cambria
Permit No.: E32-508, E11-352



Photo No.: 21
Direction: Upstream

Comments: S-O72



Photo No.: 22
Direction: Downstream

Comments: S-O72



Photo No.: 23
Direction: Upstream

Comments: S-BB61

Photo Unavailable

Photo No.: 24
Direction: Downstream

Comments: S-BB61

PENNSYLVANIA PIPELINE PROJECT TROUT STREAM WAIVER REQUEST PHOTOGRAPHIC LOG

Company: Sunoco Pipeline, L.P.
Project: Pennsylvania Pipeline Project
County: Cambria
Permit No.: E11-352



Photo No.: 25
Direction: Upstream
Comments: S-N61



Photo No.: 26
Direction: Downstream
Comments: S-N61



Photo No.: 27
Direction: Upstream
Comments: S-N59



Photo No.: 28
Direction: Downstream
Comments: S-N59

PENNSYLVANIA PIPELINE PROJECT TROUT STREAM WAIVER REQUEST PHOTOGRAPHIC LOG

Company: Sunoco Pipeline, L.P.
Project: Pennsylvania Pipeline Project
County: Cambria
Permit No.: E11-352



Photo No.: 29
Direction: Upstream
Comments: S-N56



Photo No.: 30
Direction: Downstream
Comments: S-N56



Photo No.: 31
Direction: Upstream
Comments: S-N54



Photo No.: 32
Direction: Downstream
Comments: S-N54

PENNSYLVANIA PIPELINE PROJECT TROUT STREAM WAIVER REQUEST PHOTOGRAPHIC LOG

Company: Sunoco Pipeline, L.P.
Project: Pennsylvania Pipeline Project
County: Cambria
Permit No.: E11-352



Photo No.: 33
Direction: Upstream
Comments: S-N50



Photo No.: 34
Direction: Downstream
Comments: S-N50



Photo No.: 35
Direction: Upstream
Comments: S-N46



Photo No.: 36
Direction: Downstream
Comments: S-N46

PENNSYLVANIA PIPELINE PROJECT TROUT STREAM WAIVER REQUEST PHOTOGRAPHIC LOG

Company: Sunoco Pipeline, L.P.
Project: Pennsylvania Pipeline Project
County: Cambria
Permit No.: E11-352



Photo No.: 37
Direction: Upstream
Comments: S-O59



Photo No.: 38
Direction: Downstream
Comments: S-O59



Photo No.: 39
Direction: Upstream
Comments: S-O60



Photo No.: 40
Direction: Downstream
Comments: S-O60

PENNSYLVANIA PIPELINE PROJECT TROUT STREAM WAIVER REQUEST PHOTOGRAPHIC LOG

Company: Sunoco Pipeline, L.P.
Project: Pennsylvania Pipeline Project
County: Cambria
Permit No.: E11-352



Photo No.: 41 **Comments:** S-O52
Direction: Upstream



Photo No.: 42 **Comments:** S-O52
Direction: Downstream



Photo No.: 43 **Comments:** S-O51
Direction: Upstream



Photo No.: 44 **Comments:** S-O51
Direction: Downstream

PENNSYLVANIA PIPELINE PROJECT TROUT STREAM WAIVER REQUEST PHOTOGRAPHIC LOG

Company: Sunoco Pipeline, L.P.
Project: Pennsylvania Pipeline Project
County: Cambria
Permit No.: E11-352



Photo No.: 45
Direction: Upstream
Comments: S-030



Photo No.: 46
Direction: Downstream
Comments: S-030



Photo No.: 47
Direction: Upstream
Comments: S-036



Photo No.: 48
Direction: Downstream
Comments: S-036

PENNSYLVANIA PIPELINE PROJECT TROUT STREAM WAIVER REQUEST PHOTOGRAPHIC LOG

Company: Sunoco Pipeline, L.P.
Project: Pennsylvania Pipeline Project
County: Cambria
Permit No.: E11-352



Photo No.: 49
Direction: Upstream
Comments: S-CC4



Photo No.: 50
Direction: Downstream
Comments: S-CC4



Photo No.: 51
Direction: Upstream
Comments: S-CC7



Photo No.: 52
Direction: Downstream
Comments: S-CC7

PENNSYLVANIA PIPELINE PROJECT TROUT STREAM WAIVER REQUEST PHOTOGRAPHIC LOG

Company: Sunoco Pipeline, L.P.
Project: Pennsylvania Pipeline Project
County: Cambria
Permit No.: E11-352



Photo No.: 53
Direction: Upstream
Comments: S-CC1



Photo No.: 54
Direction: Downstream
Comments: S-CC1



Photo No.: 55
Direction: Upstream
Comments: S-O23



Photo No.: 56
Direction: Downstream
Comments: S-O23

PENNSYLVANIA PIPELINE PROJECT TROUT STREAM WAIVER REQUEST PHOTOGRAPHIC LOG

Company: Sunoco Pipeline, L.P.
Project: Pennsylvania Pipeline Project
County: Cambria
Permit No.: E11-352



Photo No.: 57
Direction: Upstream
Comments: S-O21



Photo No.: 58
Direction: Downstream
Comments: S-O21



Photo No.: 59
Direction: Upstream
Comments: S-O20



Photo No.: 60
Direction: Downstream
Comments: S-O20

PENNSYLVANIA PIPELINE PROJECT TROUT STREAM WAIVER REQUEST PHOTOGRAPHIC LOG

Company: Sunoco Pipeline, L.P.
Project: Pennsylvania Pipeline Project
County: Cambria
Permit No.: E11-352



Photo No.: 61
Direction: Upstream
Comments: S-O19



Photo No.: 62
Direction: Downstream
Comments: S-O19



Photo No.: 63
Direction: Upstream
Comments: S-O17



Photo No.: 64
Direction: Downstream
Comments: S-O17

PENNSYLVANIA PIPELINE PROJECT TROUT STREAM WAIVER REQUEST PHOTOGRAPHIC LOG

Company: Sunoco Pipeline, L.P.
Project: Pennsylvania Pipeline Project
County: Cambria
Permit No.: E11-352



Photo No.: 65
Direction: Upstream
Comments: S-O16



Photo No.: 66
Direction: Downstream
Comments: S-O16



Photo No.: 67
Direction: Upstream
Comments: S-O15



Photo No.: 68
Direction: Downstream
Comments: S-O15

PENNSYLVANIA PIPELINE PROJECT TROUT STREAM WAIVER REQUEST PHOTOGRAPHIC LOG

Company: Sunoco Pipeline, L.P.
Project: Pennsylvania Pipeline Project
County: Cambria
Permit No.: E11-352



Photo No.: 69
Direction: Upstream
Comments: S-N4



Photo No.: 70
Direction: Downstream
Comments: S-N4



Photo No.: 71
Direction: Upstream
Comments: S-N8



Photo No.: 72
Direction: Downstream
Comments: S-N8

PENNSYLVANIA PIPELINE PROJECT TROUT STREAM WAIVER REQUEST PHOTOGRAPHIC LOG

Company: Sunoco Pipeline, L.P.
Project: Pennsylvania Pipeline Project
County: Cambria
Permit No.: E11-352



Photo No.: 73
Direction: Upstream
Comments: S-Q71



Photo No.: 74
Direction: Downstream
Comments: S-Q71

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Attachment D
Shapefiles and E&S Plans (on CD)