

SHELL PIPELINE COMPANY LP
FALCON ETHANE PIPELINE SYSTEM
FINDLAY AND NORTH FAYETTE TOWNSHIPS, ALLEGHENY COUNTY PENNSYLVANIA

Joint Permit Application

September 2017

UPDATED December 2018



Prepared for:

Shell Pipeline Company LP

150 North Dairy Ashford
Houston, TX 77079

Submitted by:

AECOM

Foster Plaza 6
681 Andersen Drive, Suite 400
Pittsburgh, PA 15220

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Requirement A

General Information Form (GIF) and Permit Application



GENERAL INFORMATION FORM – AUTHORIZATION APPLICATION

Before completing this General Information Form (GIF), read the step-by-step instructions provided in this application package. This version of the General Information Form (GIF) must be completed and returned with any program-specific application being submitted to the Department.

Related ID#s (If Known)		DEP USE ONLY	
Client ID# _____	APS ID# _____	Date Received & General Notes	
Site ID# _____	Auth ID# _____		
Facility ID# _____			

CLIENT INFORMATION

DEP Client ID#	Client Type / Code LLP		
Organization Name or Registered Fictitious Name	Employer ID# (EIN)	Dun & Bradstreet ID#	
Shell Pipeline Company LP	52-2074528		
Individual Last Name	First Name	MI	Suffix SSN
Van Stone	Stephen		
Additional Individual Last Name	First Name	MI	Suffix SSN
Pam	Alley		
Mailing Address Line 1		Mailing Address Line 2	
150 North Dairy Ashford			
Address Last Line – City	State	ZIP+4	Country
Houston	Texas	77079	USA
Client Contact Last Name	First Name	MI	Suffix
Wooten	Robert	B	
Client Contact Title		Phone	Ext
Senior Staff Land Agent		1-832-762-2568	
Email Address		FAX	
Robert.Wooten@shell.com		N/A	

SITE INFORMATION

DEP Site ID#	Site Name		
	Falcon Ethane Pipeline System		
EPA ID#	Estimated Number of Employees to be Present at Site		0
Description of Site			
Agricultural land, forest, developed land (residential, commercial, and municipal), streams, and wetlands.			
County Name	Municipality	City	Boro Twp State
Allegheny	Findlay	<input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/>
County Name	Municipality	City	Boro Twp State
Allegheny	North Fayette	<input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/>
Site Location Line 1		Site Location Line 2	
northern termni: 40.514094, -80.309685		southern termni:40.419067, -80.288216	
Site Location Last Line – City	State	ZIP+4	
Clinton	PA	15026	
Detailed Written Directions to Site			
From I-376W take exit 53 toward US-22 and continue onto PA Turnpike 576E. Then take exit 2 for US 30 toward Imperia/Clinton. Turnright onto US-30 and then turn left onto Point Park Road. Travel approximately 0.7 mile and arrive at approximately the center of the alignment in Allegheny County.			
Site Contact Last Name	First Name	MI	Suffix
Wooten	Robert	B	
Site Contact Title	Site Contact Firm		
Senior Staff Land Agent	Shell Pipeline Company LP		
Mailing Address Line 1		Mailing Address Line 2	
150 North Dairy Ashford, #A2036G			

Mailing Address Last Line – City Houston		State TX	ZIP+4 77079
Phone 1-832-762-2568	Ext	FAX	Email Address Robert.Wooten@shell.com
NAICS Codes (Two- & Three-Digit Codes – List All That Apply)			6-Digit Code (Optional)

Client to Site Relationship
LESOP

FACILITY INFORMATION

Modification of Existing Facility	Yes	No
1. Will this project modify an existing facility, system, or activity?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Will this project involve an addition to an existing facility, system, or activity?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

If "Yes", check all relevant facility types and provide DEP facility identification numbers below.

Facility Type	DEP Fac ID#	Facility Type	DEP Fac ID#
<input type="checkbox"/> Air Emission Plant	_____	<input type="checkbox"/> Industrial Minerals Mining Operation	_____
<input type="checkbox"/> Beneficial Use (water)	_____	<input type="checkbox"/> Laboratory Location	_____
<input type="checkbox"/> Blasting Operation	_____	<input type="checkbox"/> Land Recycling Cleanup Location	_____
<input type="checkbox"/> Captive Hazardous Waste Operation	_____	<input type="checkbox"/> MineDrainageTrmt/LandRecyProjLocation	_____
<input type="checkbox"/> Coal Ash Beneficial Use Operation	_____	<input type="checkbox"/> Municipal Waste Operation	_____
<input type="checkbox"/> Coal Mining Operation	_____	<input type="checkbox"/> Oil & Gas Encroachment Location	_____
<input type="checkbox"/> Coal Pillar Location	_____	<input type="checkbox"/> Oil & Gas Location	_____
<input type="checkbox"/> Commercial Hazardous Waste Operation	_____	<input type="checkbox"/> Oil & Gas Water Poll Control Facility	_____
<input type="checkbox"/> Dam Location	_____	<input type="checkbox"/> Public Water Supply System	_____
<input type="checkbox"/> Deep Mine Safety Operation -Anthracite	_____	<input type="checkbox"/> Radiation Facility	_____
<input type="checkbox"/> Deep Mine Safety Operation -Bituminous	_____	<input type="checkbox"/> Residual Waste Operation	_____
<input type="checkbox"/> Deep Mine Safety Operation -Ind Minerals	_____	<input type="checkbox"/> Storage Tank Location	_____
<input type="checkbox"/> Encroachment Location (water, wetland)	_____	<input type="checkbox"/> Water Pollution Control Facility	_____
<input type="checkbox"/> Erosion & Sediment Control Facility	_____	<input type="checkbox"/> Water Resource	_____
<input type="checkbox"/> Explosive Storage Location	_____	<input checked="" type="checkbox"/> Other: Ethane Pipeline	_____

Latitude/Longitude Point of Origin	Latitude			Longitude		
	Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
GPS	40	28	20	80	17	34
Horizontal Accuracy Measure	Feet +/-3		--or--	Meters		
Horizontal Reference Datum Code	<input type="checkbox"/> North American Datum of 1927 <input checked="" type="checkbox"/> North American Datum of 1983 <input type="checkbox"/> World Geodetic System of 1984					
Horizontal Collection Method Code	GIS DR					
Reference Point Code	Center					
Altitude	Feet ~1,080 to 1,318		--or--	Meters		
Altitude Datum Name	<input type="checkbox"/> The National Geodetic Vertical Datum of 1929 <input checked="" type="checkbox"/> The North American Vertical Datum of 1988 (NAVD88)					
Altitude (Vertical) Location Datum Collection Method Code	Topo					
Geometric Type Code	Point					
Data Collection Date	2015-2017					
Source Map Scale Number	1	Inch(es)	=	2,000	Feet	
	--or--	Centimeter(s)	=	Meters		

PROJECT INFORMATION

Project Name Falcon Ethane Pipeline Project			
Project Description Installation of 11.6 miles of 12-inch ethane pipeline for the purpose of transporting raw materials (ethane) from the fractionation facility in Houston, PA to the Pennsylvania Petrochemical Plant in Monaca, Pennsylvania.			
Project Consultant Last Name Shearer	First Name Natalie	MI L	Suffix
Project Consultant Title Natural Resources Lead		Consulting Firm AECOM Technical Services, Inc.	
Mailing Address Line 1 Foster Plaza 6		Mailing Address Line 2 681 Andersen Drive	

Address Last Line – City Pittsburgh		State PA	ZIP+4 15220
Phone 412-503-4595	Ext	FAX	Email Address natalie.shearer@aecom.com
Time Schedules Sept./October 2018	Project Milestone (Optional) Start of Construction		
Fall 2018	Start tree clearing		
Spring 2019-Fall 2019	Full construction		
Spring 2020	Comissioning		
Fall 2019-Spring 2020	Restoration		

1. **Have you informed the surrounding community and addressed any concerns prior to submitting the application to the Department?** Yes No
2. **Is your project funded by state or federal grants?** Yes No
Note: If "Yes", specify what aspect of the project is related to the grant and provide the grant source, contact person and grant expiration date.
 Aspect of Project Related to Grant _____
 Grant Source: _____
 Grant Contact Person: _____
 Grant Expiration Date: _____
3. **Is this application for an authorization on Appendix A of the Land Use Policy? (For referenced list, see Appendix A of the Land Use Policy attached to GIF instructions)** Yes No
Note: If "No" to Question 3, the application is not subject to the Land Use Policy.
 If "Yes" to Question 3, the application is subject to this policy and the Applicant should answer the additional questions in the **Land Use Information** section.

LAND USE INFORMATION

- Note:** Applicants are encouraged to submit copies of local land use approvals or other evidence of compliance with local comprehensive plans and zoning ordinances.
1. **Is there an adopted county or multi-county comprehensive plan?** Yes No
 2. **Is there an adopted municipal or multi-municipal comprehensive plan?** Yes No
 3. **Is there an adopted county-wide zoning ordinance, municipal zoning ordinance or joint municipal zoning ordinance?** Yes No
Note: If the Applicant answers "No" to either Questions 1, 2 or 3, the provisions of the PA MPC are not applicable and the Applicant does not need to respond to questions 4 and 5 below.
 If the Applicant answers "Yes" to questions 1, 2 and 3, the Applicant should respond to questions 4 and 5 below.
 4. **Does the proposed project meet the provisions of the zoning ordinance or does the proposed project have zoning approval?** Yes No
 If zoning approval has been received, attach documentation.
 5. **Have you attached Municipal and County Land Use Letters for the project?** Yes No

COORDINATION INFORMATION

Note: The PA Historical and Museum Commission must be notified of proposed projects in accordance with DEP Technical Guidance Document 012-0700-001 and the accompanying Cultural Resource Notice Form.

If the activity will be a mining project (i.e., mining of coal or industrial minerals, coal refuse disposal and/or the operation of a coal or industrial minerals preparation/processing facility), respond to questions 1.0 through 2.5 below.

If the activity will not be a mining project, skip questions 1.0 through 2.5 and begin with question 3.0.

1.0	Is this a coal mining project? If "Yes", respond to 1.1-1.6. If "No", skip to Question 2.0.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
1.1	Will this coal mining project involve coal preparation/ processing activities in which the total amount of coal prepared/processed will be equal to or greater than 200 tons/day?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
1.2	Will this coal mining project involve coal preparation/ processing activities in which the total amount of coal prepared/processed will be greater than 50,000 tons/year?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
1.3	Will this coal mining project involve coal preparation/ processing activities in which thermal coal dryers or pneumatic coal cleaners will be used?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
1.4	For this coal mining project, will sewage treatment facilities be constructed and treated waste water discharged to surface waters?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
1.5	Will this coal mining project involve the construction of a permanent impoundment meeting one or more of the following criteria: (1) a contributory drainage area exceeding 100 acres; (2) a depth of water measured by the upstream toe of the dam at maximum storage elevation exceeding 15 feet; (3) an impounding capacity at maximum storage elevation exceeding 50 acre-feet?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
1.6	Will this coal mining project involve underground coal mining to be conducted within 500 feet of an oil or gas well?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
2.0	Is this a non-coal (industrial minerals) mining project? If "Yes", respond to 2.1-2.6. If "No", skip to Question 3.0.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
2.1	Will this non-coal (industrial minerals) mining project involve the crushing and screening of non-coal minerals other than sand and gravel?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
2.2	Will this non-coal (industrial minerals) mining project involve the crushing and/or screening of sand and gravel with the exception of wet sand and gravel operations (screening only) and dry sand and gravel operations with a capacity of less than 150 tons/hour of unconsolidated materials?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
2.3	Will this non-coal (industrial minerals) mining project involve the construction, operation and/or modification of a portable non-metallic (i.e., non-coal) minerals processing plant under the authority of the General Permit for Portable Non-metallic Mineral Processing Plants (i.e., BAQ-PGPA/GP-3)?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
2.4	For this non-coal (industrial minerals) mining project, will sewage treatment facilities be constructed and treated waste water discharged to surface waters?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
2.5	Will this non-coal (industrial minerals) mining project involve the construction of a permanent impoundment meeting one or more of the following criteria: (1) a contributory drainage area exceeding 100 acres; (2) a depth of water measured by the upstream toe of the dam at maximum storage elevation exceeding 15 feet; (3) an impounding capacity at maximum storage elevation exceeding 50 acre-feet?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No

3.0	Will your project, activity, or authorization have anything to do with a well related to oil or gas production, have construction within 200 feet of, affect an oil or gas well, involve the waste from such a well, or string power lines above an oil or gas well? If "Yes", respond to 3.1-3.3. If "No", skip to Question 4.0.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
3.1	Does the oil- or gas-related project involve any of the following: placement of fill, excavation within or placement of a structure, located in, along, across or projecting into a watercourse, floodway or body of water (including wetlands)?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
3.2	Will the oil- or gas-related project involve discharge of industrial wastewater or stormwater to a dry swale, surface water, ground water or an existing sanitary sewer system or storm water system? If "Yes", discuss in <i>Project Description</i> .	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
3.3	Will the oil- or gas-related project involve the construction and operation of industrial waste treatment facilities?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
4.0	Will the project involve a construction activity that results in earth disturbance? If "Yes", specify the total disturbed acreage. 4.0.1 Total Disturbed Acreage 110.12	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
5.0	Does the project involve any of the following? If "Yes", respond to 5.1-5.3. If "No", skip to Question 6.0.	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
5.1	Water Obstruction and Encroachment Projects – Does the project involve any of the following: placement of fill, excavation within or placement of a structure, located in, along, across or projecting into a watercourse, floodway or body of water?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
5.2	Wetland Impacts – Does the project involve any of the following: placement of fill, excavation within or placement of a structure, located in, along, across or projecting into a wetland?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
5.3	Floodplain Projects by the commonwealth, a Political Subdivision of the commonwealth or a Public Utility – Does the project involve any of the following: placement of fill, excavation within or placement of a structure, located in, along, across or projecting into a floodplain?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
6.0	Will the project involve discharge of stormwater or wastewater from an industrial activity to a dry swale, surface water, ground water or an existing sanitary sewer system or separate storm water system?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
7.0	Will the project involve the construction and operation of industrial waste treatment facilities?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
8.0	Will the project involve construction of sewage treatment facilities, sanitary sewers, or sewage pumping stations? If "Yes", indicate estimated proposed flow (gal/day). Also, discuss the sanitary sewer pipe sizes and the number of pumping stations/treatment facilities/name of downstream sewage facilities in the <i>Project Description</i> , where applicable. 8.0.1 Estimated Proposed Flow (gal/day)	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
9.0	Will the project involve the subdivision of land, or the generation of 800 gpd or more of sewage on an existing parcel of land or the generation of an additional 400 gpd of sewage on an already-developed parcel, or the generation of 800 gpd or more of industrial wastewater that would be discharged to an existing sanitary sewer system?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
9.0.1	Was Act 537 sewage facilities planning submitted and approved by DEP? If "Yes" attach the approval letter. Approval required prior to 105/NPDES approval.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
10.0	Is this project for the beneficial use of biosolids for land application within Pennsylvania? If "Yes" indicate how much (i.e. gallons or dry tons per year). 10.0.1 Gallons Per Year (residential septage) _____ 10.0.2 Dry Tons Per Year (biosolids) _____	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
11.0	Does the project involve construction, modification or removal of a dam? If "Yes", identify the dam. 11.0.1 Dam Name _____	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No

12.0	Will the project interfere with the flow from, or otherwise impact, a dam? If "Yes", identify the dam.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
12.0.1	Dam Name _____				
13.0	Will the project involve operations (excluding during the construction period) that produce air emissions (i.e., NOX, VOC, etc.)? If "Yes", identify each type of emission followed by the amount of that emission.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
13.0.1	Enter all types & amounts of emissions; separate each set with semicolons.				
14.0	Does the project include the construction or modification of a drinking water supply to serve 15 or more connections or 25 or more people, at least 60 days out of the year? If "Yes", check all proposed sub-facilities.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
14.0.1	Number of Persons Served _____				
14.0.2	Number of Employee/Guests _____				
14.0.3	Number of Connections _____				
14.0.4	Sub-Fac: Distribution System	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
14.0.5	Sub-Fac: Water Treatment Plant	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
14.0.6	Sub-Fac: Source	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
14.0.7	Sub-Fac: Pump Station	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
14.0.8	Sub Fac: Transmission Main	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
14.0.9	Sub-Fac: Storage Facility	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
15.0	Will your project include infiltration of storm water or waste water to ground water within one-half mile of a public water supply well, spring or infiltration gallery?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
16.0	Is your project to be served by an existing public water supply? If "Yes", indicate name of supplier and attach letter from supplier stating that it will serve the project.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
16.0.1	Supplier's Name _____				
16.0.2	Letter of Approval from Supplier is Attached	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
17.0	Will this project involve a new or increased drinking water withdrawal from a stream or other water body? If "Yes", should reference both Water Supply and Watershed Management.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
17.0.1	Stream Name _____				
18.0	Will the construction or operation of this project involve treatment, storage, reuse, or disposal of waste? If "Yes", indicate what type (i.e., hazardous, municipal (including infectious & chemotherapeutic), residual) and the amount to be treated, stored, re-used or disposed.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
18.0.1	Type & Amount _____				
19.0	Will your project involve the removal of coal, minerals, etc. as part of any earth disturbance activities?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
20.0	Does your project involve installation of a field constructed underground storage tank? If "Yes", list each Substance & its Capacity. Note: Applicant may need a Storage Tank Site Specific Installation Permit.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
20.0.1	Enter all substances & capacity of each; separate each set with semicolons.				
21.0	Does your project involve installation of an aboveground storage tank greater than 21,000 gallons capacity at an existing facility? If "Yes", list each Substance & its Capacity. Note: Applicant may need a Storage Tank Site Specific Installation Permit.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
21.0.1	Enter all substances & capacity of each; separate each set with semicolons.				

22.0 Does your project involve installation of a tank greater than 1,100 gallons which will contain a highly hazardous substance as defined in DEP's Regulated Substances List, 2570-BK-DEP2724? If "Yes", list each Substance & its Capacity. **Note:** Applicant may need a Storage Tank Site Specific Installation Permit. Yes No

22.0.1 Enter all substances & capacity of each; separate each set with semicolons.

23.0 Does your project involve installation of a storage tank at a new facility with a total AST capacity greater than 21,000 gallons? If "Yes", list each Substance & its Capacity. **Note:** Applicant may need a Storage Tank Site Specific Installation Permit. Yes No

23.0.1 Enter all substances & capacity of each; separate each set with semicolons.

24.0 Will the intended activity involve the use of a radiation source? Yes No

CERTIFICATION

I certify that I have the authority to submit this application on behalf of the applicant named herein and that the information provided in this application is true and correct to the best of my knowledge and information.

Type or Print Name Stephen Van Stone


Signature

Attorney-in-Fact

Title

11/9/17
Date



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
and
DEPARTMENT OF ARMY CORPS OF ENGINEERS
(Baltimore, Philadelphia, and Pittsburgh Districts)**

**JOINT APPLICATION FOR
PENNSYLVANIA CHAPTER 105 WATER OBSTRUCTION AND ENCROACHMENT PERMIT AND
U.S. ARMY CORPS OF ENGINEERS SECTION 404 PERMIT**

**Before completing this form, please read the step-by-step instructions
and Section F Application Completeness Checklist provided with this Joint Permit package.**

AGENCY USE ONLY

Application ID# (Assigned by DEP) _____ RECEIVED DATE _____ CHECK NO. _____
 Program Application No. _____ REQUIRED APP. FEE _____ AMOUNT \$ _____

SECTION A. APPLICATION TYPE STANDARD SMALL PROJECTS

SECTION B. APPLICANT IDENTIFIER

Applicant Name Shell Pipeline Company LP	Employer ID# (EIN) 52-2074528
Consulting Firm AECOM Technical Services, Inc.	Employer ID# (EIN) 95-2661922

SECTION C. PROJECT LOCATION DATA AND STATUS

Name of stream and/or body of water and Chapter 93 designation.
 See Table 3 in the Wetland and Watercourse Delineation Report in Requirement L.

Corps District where project will occur.
 Pittsburgh (Ohio River Basin) Baltimore (Susquehanna River Basin) Philadelphia (Delaware River Basin)

Name of the U.S.G.S. 7 1/2 Minute Quadrangle Map where project is located: Aliquippa and Clinton

Indicate location of project: Latitude 40.472284; Longitude -80.292827

Project type, purpose and need: To construct approximately 11.6 miles of 12-inch ethane pipeline for the purpose of transporting raw materials (ethane) to the Pennsylvania Petrochemical Plant located in Monaca, Pennsylvania.

HAS ANY PORTION OF PROPOSED PROJECT BEEN AUTHORIZED? yes no _____ date authorized
 If yes, attach description of those portions of the project that have been authorized and identify dates of authorization.

SECTION D. AQUATIC RESOURCE IMPACT TABLE

HAS ALL INFORMATION INCLUDED ON THE IMPACT TABLE BEEN PROVIDED? yes no

If NO, indicate the information not included and the reason. Also attach a completed [Aquatic Resource Impact Table \(3150-PM-BWEW0557\)](#) worksheet or equivalent.

- Project Information: _____
- Corps / 404: _____
- DEP / 105: _____

SECTION E. COMPLIANCE REVIEW

Yes No

Is the applicant (owner and/or operator) currently in violation of any permits issued by the Department?
If yes, please provide:

1. Permit Number: _____
2. Nature of the violation (if any): _____

3. Status of violation (i.e., schedule for compliance, etc.): _____

SECTION F. APPLICATION COMPLETENESS CHECKLIST

Applicant must place an entry - Y = Yes, N = No, N/A = Not Applicable - in each left side column space. See Section 105.13 for additional details. If you are applying under the Small Projects Application format, place an entry in only those comments prefixed by an asterisk (*).

REQUIREMENT	Applicant Entry	DEP Use Only
a. GIF and permit application properly signed, sealed and witnessed	*Y	
b. Application Fee & Worksheet enclosed (see Section G.)	*Y	
c. Copies and proof of receipt - Act 14 notification - Acts 67/68/127	*Y	
d. Cultural Resource Notice (Notice, return receipt and PHMC review letter, as appropriate)	*Y	
e. PASPGP-5 Reporting Criteria Checklist	*Y	
f. Bog Turtle Habitat Screening (copy of "No Effect" determination from the Army Corps of Engineers OR copy of documented clearance from the US Fish and Wildlife Service)	*N/A	
g. Pennsylvania Natural Diversity Inventory (signed PNDI Receipt showing Avoidance Measures or Potential Impacts and proof of delivery to the appropriate jurisdictional agency(ies) where further coordination is required, as appropriate)	*Y	
h. Plans (site plan including cross sections and profiles for Subsections 151, 191, 231, 261)	*Y	
i. Location map	Y	
j. Project description narrative including PNDI avoidance measures (if applicable) AND Aquatic Resource Impact Table	*Y *Y	
k. Color photographs with map showing location taken	*Y	
l. Environmental Assessment form	*Y	
m. Erosion and Sediment Control Plan and approval letter	Y-PLAN	
n. Hydrologic and hydraulic analysis	N/A	
o. Stormwater Management Analysis with consistency letter	Y	
p. Floodplain Management Analysis with consistency letter	Y	
q. Risk Assessment	N/A	
r. Professional engineer's seal and certification	Y	
s. Alternative analysis	Y	
t. Mitigation plan	Y	

SECTION G. DETERMINATION OF APPLICATION FEES (DEP FEES ONLY)

The fee required for a project authorized under this permit shall be consistent with 25 PA Code §105.13 (relating to regulated activities – information and fees). To determine the application fee, please complete the [Chapter 105 Fee\(s\) Calculation Worksheet \(3150-PM-BWEW0553\)](#). Please provide the completed worksheet and a check for the applicable fee(s) made payable to the “Commonwealth of Pennsylvania Clean Water Fund.”

SECTION H. ADJOINING PROPERTY OWNERS

Please list the name and address of all property owners whose land adjoins the project property.

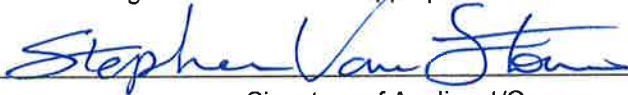
<u>NAME</u>	<u>ADDRESS</u>
Please see attached table	

SECTION I. CERTIFICATION AND SIGNATURE (see Instructions for clarification of signature requirements)

I certify under penalty of law that the information provided in this permit registration is true and correct to the best of my knowledge and information and that I possess the authority to undertake the proposed action. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. (If any of the information and/or plans is found to be in error, falsified, and/or incomplete, this authorization/verification may be subject to modification, suspension, or revocation in accordance with applicable regulations.)

I certify that the project proposed in this application complies with and will be conducted in a manner that is consistent with the approved Coastal Zone Management program of the Commonwealth of Pennsylvania. (Only portions of Erie, Bucks, Philadelphia and Delaware Counties are in the Coastal Zone).

I grant permission to the agencies responsible for authorization of this work, or their duly authorized representative, to enter the project site for inspection purposes during working hours. I will abide by the conditions of the permit or license if issued and will not begin work without the appropriate authorization.



Signature of Applicant/Owner

11/9/17

Date

Stephen Van Stone, Attorney-in-Fact

Typed / Printed Name & Title of Applicant/Owner



Signature of Witness

11-9-17

Robert B. Wooten Senior Staff Land Agent

Typed / Printed Name & Title of Witness

SEAL

POWER OF ATTORNEY

SHELL PIPELINE COMPANY LP ("Shell Pipeline"), a Delaware limited partnership with offices at 777 Walker Street, Houston, Texas 77002, hereby appoints and authorizes **Stephen Van Stone** as its Attorney-in-Fact to execute and deliver instruments and documents, including but not limited to the following, on behalf of and in the name of Shell Pipeline in the usual course of its business:

- (1) easements and licenses, whether Shell Pipeline is grantor or grantee, and amendments, assignments, and releases of such easements;
- (2) contracts for the purchase, sale or exchange of real or personal property, including land, improvements, easements, surface leases, and other interests or rights in real or personal property;
- (3) deeds or other conveyances of real property, whether Shell Pipeline is grantor or grantee;
- (4) bills of sale or other transfers of personal property, whether Shell Pipeline is the seller or purchaser;
- (5) licenses, permits, franchises, and railroad and highway crossing agreements in which Shell Pipeline is a party;
- (6) subordination agreements;
- (7) bonds, certificates of insurance, and indemnities, and amendments and releases thereof;
- (8) surface leases and leases of office, warehouse, and storage space, including subleases thereof, whether Shell Pipeline is lessor or sublessor, or lessee or sublessee;
- (9) applications required by governmental authorities or agencies for easements, leases, permits, or other rights in land owned or administered by such governmental authorities or agencies;
- (10) applications and reports required by governmental authorities for the issuance, maintenance and renewal of permits and permissions pursuant to laws and regulations relating to protection of the environment;
- (11) leases of personal property, including subleases thereof, whether Shell Pipeline is lessor or sublessor, or lessee or sublessee;
- (12) leases of communications equipment, including subleases thereof, whether Shell Pipeline is lessor or sublessor, or lessee or sublessee; and
- (13) contracts and agreements with governmental agencies and authorities and with private parties for the relocation, adjustment, or removal of pipelines, other pipeline facilities, or other properties of Shell Pipeline.

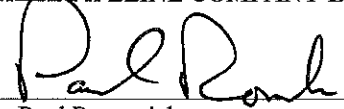
This Power of Attorney shall be in effect as of November 1, 2010, and thereafter shall continue in force and effect until revoked in writing.

IN WITNESS WHEREOF, Shell Pipeline Company LP has caused this Power of Attorney to be signed by its Vice President – Tax, sealed with its corporate seal, and attested by its Secretary.

ATTEST


By: Lynn S. Borgmeier
Its: Secretary

SHELL PIPELINE COMPANY LP


By: Paul Romanick
Its: Vice President - Tax
Date Executed: 10-28-10

Shell Falcon Abutters - Allegheny County

County	Parcel ID	Landowner Name	Address	City	State	Zip
Allegheny	1038-F-1	IMPERIAL BEAGLE CLUB	694 BEAGLE CLUB RD	MCDONALD	PA	15057
Allegheny	1038-L-3	LUCCHINO GEORGE M & ANNA K	399 BEAGLE CLUB RD	MCDONALD	PA	15057
Allegheny	1040-J-1	NOVELLI MATTHEW J & CAROLINE H	515 SEABRIGHT RD	MCDONALD	PA	15057
Allegheny	1043-N-1	IMPERIAL LAND CORPORATION	ROBINSON RD	IMPERIAL		15126
Allegheny	1173-F-251	CINDRICH DEVELOPMENT COMPANY	BOGGS RD	IMPERIAL	PA	15126
Allegheny	1173-K-1	CINDRICH DEVELOPMENT COMPANY	OLD STEUBENVILLE PIKE	MCDONALD	PA	15057
Allegheny	1173-R-1	BATEMAN THOMAS M	8329 STEUBENVILLE PIKE	MCDONALD	PA	15057
Allegheny	1173-R-3	KISOW WILBERT C JR & DARLENE	8331 STEUBENVILLE PIKE	MCDONALD	PA	15057
Allegheny	1173-S-1	GEORGE DANNY & ROSEMARIE	107 -109 GEORGES LN	OAKDALE	PA	15071
Allegheny	1174-K-190	DARLING INTERNATIONAL INC	BOGGS RD	IMPERIAL		15126
Allegheny	1174-N-35	INDUSTRIAL WASTE INC	BOGGS RD	IMPERIAL		15126
Allegheny	1174-R-233	IMPERIAL LAND CORPORATION	11 BOGGS RD	IMPERIAL	PA	15126
Allegheny	1175-D-35	IMPERIAL LAND CORPORATION	11 BOGGS RD	IMPERIAL	PA	15126
Allegheny	1176-D-1	FINDLAY TOWNSHIP MUNICIPAL	BURGETTSTOWN RD	IMPERIAL	PA	15126
Allegheny	1176-L-105	RD SOLOMON LLC	3385 BURGETTSTOWN RD	IMPERIAL	PA	15126
Allegheny	1176-L-56	RD SOLOMON LLC	3386 BURGETTSTOWN RD	IMPERIAL	PA	15126
Allegheny	1176-L-56-T1	AT& T WIRELESS	3410 BURGETTSTOWN RD	IMPERIAL	PA	15126
Allegheny	1177-G-215	CERCIELLO BARTHOLOMEW	165 POINT PARK RD	IMPERIAL	PA	15126
Allegheny	1177-G-225	CERCIELLO BARTHOLOMEW	165 POINT PARK RD	IMPERIAL	PA	15126
Allegheny	1177-K-75	SPRAY DONALD L	POINT PARK RD	IMPERIAL	PA	15126
Allegheny	1177-M-280	ALOE BROTHERS LLC	BURGETTSTOWN RD	IMPERIAL	PA	15126
Allegheny	1178-A-29	MARONDA FOUNDATION	152 YOUTHTOWNE DR	IMPERIAL	PA	15126
Allegheny	1178-C-10	NICOLETTI CAROL M & CHIRSTOPHER CAPT	CLINTON RD	CLINTON	PA	15026
Allegheny	1178-H-345	NICOLETTI CAROL MAZZARO, CAPTLINE CH	1056 -1058 US ROUTE 30	IMPERIAL	PA	15126
Allegheny	1178-H-50	NICOLETTI CAROL MAZZARO	US ROUTE 30	IMPERIAL	PA	15126
Allegheny	1178-J-275	NOVAK EDWARD JR	3662 WASHINGTON RD	IMPERIAL	PA	15126
Allegheny	1179-E-5	TIMON JAMES	3704 WASHINGTON RD	IMPERIAL	PA	15126
Allegheny	1179-E-97	CLINTON U P CHURCH	25 WILSON RD	CLINTON	PA	15026
Allegheny	1179-E-99	CLINTON U P CHURCH	25 WILSON RD	CLINTON	PA	15026
Allegheny	1179-G-335	FINDLAY TOWNSHIP	1355 US ROUTE 30	CLINTON		15026
Allegheny	1179-R-270	SPRAY DONALD	US ROUTE 30	IMPERIAL	PA	15126
Allegheny	1314-S-35	WHITTEN EDITH H	3447 WASHINGTON RD	IMPERIAL	PA	15126

Shell Falcon Abutters - Allegheny County

County	Parcel ID	Landowner Name	Address	City	State	Zip
Allegheny	1315-F-130	IMPERIAL LAND CORPORATION	CLINTON RD	CLINTON	PA	15026
Allegheny	1316-M-10	EBW REALTY ASSOCIATES LP	135 SOLAR DR	IMPERIAL	PA	15126
Allegheny	1316-R-10	OK PITTS WAREHOUSE LIMITED PARTNERSH	120 SOLAR DR	IMPERIAL	PA	15126
Allegheny	1318-C-32	JOHNSTON LORI HINEY & DAVID	3671 POTATO GARDEN RUN	IMPERIAL	PA	15126
Allegheny	1318-C-40	HINEY GAIL D	POTATO GARDEN RUN RD	IMPERIAL	PA	15126
Allegheny	1318-D-201	KUZIO ZACHARY A & SARAH M	3450 WASHINGTON RD	CLINTON	PA	15026
Allegheny	1318-G-210	BECK THOMAS W & RUTH M	3421 WASHINGTON RD	IMPERIAL	PA	15126
Allegheny	1318-H-61	MAZZARO PAULINE & (IRREVOCABLE TRUST	POINT PARK RD	IMPERIAL	PA	15126
Allegheny	1318-H-75	POINT PARK ROD & GUN CLUB	POTATO GARDEN RUN RD	IMPERIAL		15126
Allegheny	1319-A-1	BOWERS MATTHEW S & TARA L	22 TROTTER LN	CLINTON	PA	15026
Allegheny	1319-J-235	PAPE HERMAN L LAND TRUST	3675 POTATO GARDEN RUN	IMPERIAL	PA	
Allegheny	1320-A-147	CARR JOHN D & EDIE L	1053 MOORE LN	IMPERIAL	PA	15126
Allegheny	1320-A-89	BUFFINGTON ROBERT JAMES & PATRICIA A	1060 MOORE LN	IMPERIAL	PA	15126
Allegheny	1320-F-147	WILSON IRA W & PEGGY K	175 MOODY RD	IMPERIAL	PA	15126
Allegheny	1320-F-153	GEIER WILLIAM F & RITA M	181 MOODY RD	IMPERIAL	PA	15126
Allegheny	1320-F-165	TRAPUZZANO ROBERT AARON & SUSAN R	1001 MOORE LN	CLINTON	PA	15026
Allegheny	1320-F-309	MARONDA FOUNDATION	202 MOODY RD	CLINTON	PA	15026
Allegheny	1320-K-350	MARONDA HOMES INC	STALLION RD	CLINTON	PA	15026
Allegheny	1320-N-10	MARONDA HOMES INC	HORSE SHOE DR	CLINTON	PA	15026
Allegheny	1320-N-50	MARONDA HOMES INC	STALLION RD	CLINTON	PA	15026
Allegheny	1320-P-118	ROSCART CHARLES W & MARGARET L	51 MOORE RD	CLINTON	PA	15026
Allegheny	1320-P-130	CHURCH OF JESUS CHRIST	57 MOORE RD	CLINTON	PA	15026
Allegheny	1320-P-148	TARBUK TIMOTHY & REBECCA	63 MOORE RD	CLINTON	PA	15026
Allegheny	1320-P-236	TARBUK TIMOTHY & REBECCA	MOORE RD	CLINTON	PA	15026
Allegheny	1321-N-160	NOYES DANIEL C JR & BETTY JEAN	1487 US ROUTE 30	IMPERIAL	PA	15126
Allegheny	1321-R-389	MARONDA FOUNDATION	1434 US ROUTE 30	IMPERIAL	PA	15126
Allegheny	1322-M-276	HTM LEGACY LLC	CAMP MEETING RD	CLINTON	PA	15026
Allegheny	1322-M-308	COUNTY OF ALLEGHENY	57 CAMP MEETING RD	CLINTON	PA	15026
Allegheny	1323-R-36	SCHEERS MATTHEW P, SCHEERS PAUL M	295 CAMP MEETING RD	CLINTON	PA	15026
Allegheny	1323-R-65	SCHEERS MATTHEW P, SCHEERS PAUL M	295 CAMP MEETING RD	CLINTON	PA	15026
Allegheny	1468-D-162	KRAMER BRENT D & ELIZABETH M	3860 POTATO GARDEN RUN	IMPERIAL	PA	15126
Allegheny	1468-G-34	FINDLAY TOWNSHIP MUNICIPAL AUTHORIT	190 STROUSS DR	IMPERIAL	PA	15126

Shell Falcon Abutters - Allegheny County

County	Parcel ID	Landowner Name	Address	City	State	Zip
Allegheny	1470-B-101	STICKLEY JARROD M & KELLY	4220 CORK BOCKTOWN RD	CLINTON	PA	15026
Allegheny	1470-C-25	CAIN KAREN LEE MOWRY, MOWRY SHIELDS	FERGUSON RD	CLINTON	PA	15026
Allegheny	1470-G-320	HEIDLER TOD	235 FERGUSON RD	CLINTON	PA	15026
Allegheny	1470-G-379	SHAW ANTHONY D	217 FERGUSON RD	CLINTON	PA	15026
Allegheny	1470-H-231	HOLDER JOHN C JR	273 FERGUSON RD	CLINTON	PA	15026
Allegheny	1470-R-105	COMBS W DELBERT & DELORIS M REVOCAB	40 COMBS RD	CLINTON	PA	15026
Allegheny	1471-R-342	SHIMER RONALD D & DARLENE ANN	4254 CORK BOCKTOWN RD	CLINTON	PA	15026
Allegheny	696-D-396	County of Allegheny	Beaver Grade Road	Coraopolis	PA	15108

TABLE 1
AQUATIC RESOURCE IMPACT TABLE
FALCON ETHANE PIPELINE SYSTEM
ALLEGHENY COUNTY, PENNSYLVANIA

REVISED JULY 2018

Resource Crossing	Latitude	Longitude	Nearest Milepost	Feature ID (Unique Identifier)	Stream Name	Feature Type (Stream, Floodway, Wetland)	Aquatic Resource Type ¹	Chapter 93 Designation ²	Pipeline or Access Road Crossing Length (ft) ³	Stream Width	Length of Stream within Permanent Right-of-Way (ft)	Length of Stream within Temporary Workspace (ft)	DEP Impact		Corps Impact	Crossing Type	Permit Type	Plan View Page	Site Specific # (Req H)
													Area within Permanent Right-of-Way (ft ²) ⁴	Area within Temporary Workspace (ft ²) ⁴	Area within ROW (ft ²) ⁴				
1	40.418728	-80.287902	14.0	S-PA-170113-MRK-007	UNT to Little Raccoon Run	Floodway	Ephemeral	-	0.00	-	-	-	0.00	2878.11	NA	Temporary Workspace: The top of the floodway is located in TWS on the travel side of the ROW. Therefore vehicles will travel through this area during construction. An erosion control blanket will be placed over this area following construction to aid in slope stability and revegetation.	GP-5, GP-8	2 of 26	SS051
2	40.422950	-80.291682	14.3	W-PA-170113-MRK-005	-	Wetland	PEM	OTHER	0.00	-	-	-	32.45	186.38	218.84	Permanent Right-of-Way: this wetland is located within the PROW. A trench will be dug to place the pipe a minimum of four feet below the wetland. The topsoil will be segregated during construction. Following construction, segregated topsoil is replaced and the wetland is restored to original contours. The wetland will be maintained in perpetuity as an herbaceous wetland.	GP-5, GP-8	3 of 26	SS052
3	40.423978	-80.292646	14.3	W-PA-170113-MRK-004	-	Wetland	PEM	OTHER	79.58	-	-	-	5471.16	6461.42	11932.58	Pipeline (Partial HDD): a portion of this wetland is located along the pipeline route. In this area, A trench will be dug to place the pipe a minimum of four feet below the wetland. The topsoil will be segregated during construction. Following construction, segregated topsoil is replaced and the wetland is restored to original contours. The wetland will be maintained in perpetuity as an herbaceous wetland. The remaining portion of the wetland will be crossed via HDD.	GP-5, GP-8	3&4 of 26	SS052/SS053
	40.425108	-80.293148	14.4	S-PA-170113-MRK-003	UNT to Little Raccoon Run	Stream Floodway	Intermittent	WWF	2.50 524.26	2.50 -	225.05 -	0.00 -	2.66 557.03	0.00 0.00	0.00	HDD: This stream and floodway will be crossed via HDD HOU-05. The HDD will be 56 feet below the surface. There will be no above-ground disturbance.			
4	40.426753	-80.293878	14.6	S-PA-170113-MRK-002	UNT to Little Raccoon Run	Stream	Intermittent	WWF	6.00	6.00	68.36	0.00	6.38	0.00	0.00	HDD: This stream and floodway will be crossed via HDD HOU-05. The HDD will be 63 feet below the surface. There will be no above-ground disturbance.	GP-5	4 of 26	SS055
						Floodway			125.48	-	-	133.32	0.00						
5	40.430024	-80.295073	14.8	W-PA-170113-MRK-001	-	Wetland	PEM	-	0.00	-	-	-	0.00	0.00	0.00	Will be fenced off	N/A	5 of 26	SS056
6	40.431040	-80.293621	14.9	S-PA-161205-WRA-008	UNT to Potato Garden Run	Stream	Intermittent	TSF	4.00	4.00	77.66	69.14	310.64	276.57	587.21	Pipeline: The stream is located through the ROW. The stream crossing will be conducted "in the dry" and the method used (pump and dam/flume) will be determined on site depending on the conditions at the time. The trench will be dug in the dry stream bed and placed a minimum of five feet below stream bed depth. Following construction, the stream will be restored to its original contours. Additionally, a 10-ft-wide timber mat will be placed in the travel area across the stream to allow for construction equipment crossing.	GP-5, GP-8	5 of 26	SS057
						Floodway			151.54	-	-	7934.80	12185.24						
7	40.431621	-80.293237	14.9	S-PA-170207-MRK-004	UNT to Potato Garden Run	Stream	Intermittent	TSF	0.00	4.00	17.38	0.00	69.52	0.00	69.52	Permanent Right-of-Way/Pipeline: The wetland and floodway are being directly crossed by the pipeline and the stream, floodway, and wetland are all located within the PROW. The stream will be crossed in the dry and the pipe will be placed a minimum of five feet below the stream bed. The pipe will be placed a minimum of four feet below the wetland. During construction the topsoil will be stockpiled. Following construction, the resources will be restored to their original contours. The wetland will be maintained as PEM.	GP-5, GP-8	5 of 26	SS058
	40.431777	-80.293135		W-PA-170207-MRK-003	-	Wetland			PEM	EV	16.12	-	-	-					
8	40.431938	-80.293041	15.0	W-PA-170207-MRK-002	-	Wetland	PEM	EV	0.00	-	-	-	144.20	1767.36	1911.56	Permanent Right-of-Way/TWS: portions of this wetland are located within the PROW. A trench will be dug to place the pipe a minimum of four feet below the wetland. The topsoil will be segregated during construction. Following construction, segregated topsoil is replaced and the wetland is returned to pre-construction conditions. Any area above the PROW will be maintained as PEM. 10-ft.-wide timber mats will be placed across the wetlands in the travel areas. Following construction, the mats will be removed.	GP-5, GP-8	5 of 26	SS058
9	40.437228	-80.295134	15.4	S-PA-161205-WRA-006	UNT to Potato Garden Run	Stream	Ephemeral	WWF	0.00	5.00	57.16	0.00	285.79	0.00	285.79	Permanent Right-of-Way: the stream is located within the permanent ROW. Work will be conducted in the dry with a method (pump and dam/flume) determined by field conditions. The stream will be returned to the original contours following construction.	GP-5, GP-8	7 of 26	SS059
	40.437175	-80.295112				Floodway			-	-	-	6152.39	1424.74	Pipeline: The floodway will be crossed directly by the pipeline and is also located in both the travel lane and the permanent LOD. The area will be restored to its original contours following construction. An erosion control blanket will be placed over this area.					
						Stream		WWF	4.00	4.00	50.07	25.01	200.28	100.05		Pipeline: stream and floodway are being directly impacted by the			

Resource Crossing	Latitude	Longitude	Nearest Milepost	Feature ID (Unique Identifier)	Stream Name	Feature Type (Stream, Floodway, Wetland)	Aquatic Resource Type ¹	Chapter 93 Designation ²	Pipeline or Access Road Crossing Length (ft) ³	Stream Width	Length of Stream within Permanent Right-of-Way (ft)	Length of Stream within Temporary Workspace (ft)	DEP Impact		Corps Impact	Crossing Type	Permit Type	Plan View Page	Site Specific # (Req H)
													Area within Permanent Right-of-Way (ft ²) ⁴	Area within Temporary Workspace (ft ²) ⁴	Area within ROW (ft ²) ⁴				
10	40.437968	-80.296653	15.5	S-PA-161205-WRA-004	UNT to Potato Garden Run	Floodway	Perennial	-	263.49	-	-	-	5230.71	2703.93	300.33	GP-5, GP-8	7 of 26	SS060	
	40.438000	-80.296576		W-PA-161205-WRA-003	-	Wetland	PSS	OTHER	0.00	-	-	-	75.37	0.00	75.37				Permanent Right-of-Way: Shrubs will be cleared/grubbed and topsoil will be segregated during construction. Following construction the wetland will be returned to original contours and maintained as a PEM wetland.
	40.438041	-80.296666		S-PA-161205-WRA-003	UNT to Potato Garden Run	Stream Floodway	Ephemeral	WWF	16.00	8.00	73.65	0.00	589.22	0.00	589.22				Pipeline: streams and floodways are being directly impacted by the pipeline. The stream crossing will be conducted "in the dry" and the method used (pump and dam/flume) will be determined on site depending on the conditions at the time. The trench will be dug in the dry stream bed and placed a minimum of five feet below stream bed depth. Following construction, the stream will be restored to its original contours. Additionally, a 10-ft-wide timber mat will be placed in the travel area across the S-PA-161205-WRA-003A stream/floodway to allow for construction equipment crossing.
	40.438107	-80.296725		S-PA-161205-WRA-003A	UNT to Potato Garden Run	Stream	Ephemeral	WWF	0.00	8.00	21.40	0.00	171.23	0.00	171.23				
						Floodway			-	-	-	40.52	1061.04	Permanent Right-of-Way: the floodway is located within the permanent ROW. This is in an upland area and once construction is completed, it will be restored to previous conditions and maintained in an herbaceous state.					
40.438246	-80.296934	S-PA-170207-MRK-001	UNT to Potato Garden Run	Floodway	Intermittent	-	0.00	-	-	-	-	0.00	1269.05	NA	Temporary Workspace: the floodway is located within TWS. This is within an upland area. Once construction is complete, it will be restored to previous contours and vegetation will be allowed to return to pre-construction conditions.				
11	40.438754	-80.296156	15.6	W-PA-161205-WRA-001	-	Wetland	PEM	EV	14.96	-	-	-	766.78	405.24	1172.02	GP-5, GP-8	7 of 26	SS061	
12	40.439281	-80.295447	15.7	S-PA-161205-WRA-001	UNT to Potato Garden Run	Stream Floodway	Ephemeral	WWF	2.00	2.00	51.18	25.80	102.37	51.59	153.96	GP-5, GP-8	7 of 26	SS061	
13	40.438793	-80.292918	15.7	S-PA-151117-NLS-004	UNT to Potato Garden Run	Floodway	Intermittent	-	80.55	-	-	-	0.00	1607.96	NA	GP-8	7 of 26	SS062	
14	40.446071	-80.295066	16.2	S-PA-160315-NLS-001	UNT to Potato Garden Run	Floodway	Ephemeral	-	0.00	-	-	-	0.00	0.00	NA	N/A	9 of 26	SS063	
15	40.446958	-80.292138	16.3	S-PA-151117-NLS-003	Potato Garden Run	Stream Floodway	Perennial	WWF	7.50	7.50	51.94	0.00	7.94	0.00	0.00	JPA	9 of 26	SS064	
				W-PA-151117-NLS-001 Crossing #1	-	Wetland	PEM	OTHER	253.995542	-	-	-	269.87	0.00					HDD: These resources will be crossed via HDD HOU-06 approximately 41 feet below the stream and 39 feet below the wetland. There will be no above-ground disturbance. The wetland is greater than 10 acres.
16	40.448986	-80.293224	16.3	W-PA-151117-NLS-001 Crossing #2	-	Wetland	PEM	OTHER	68.72	-	-	-	0.00	1397.53	1397.53	GP-8	9&10 of 26	SS065	
17	40.463641	-80.289120	17.7	S-PA-160405-JLK-001	UNT to Potato Garden Run	Stream	Intermittent	WWF	1.50	1.50	41.18	0.00	1.59	0.00	0.00	GP-5, GP-8	13 of 26	SS066	
						Floodway													-
	40.463870	-80.289239	W-PA-160405-JLK-001	-	Wetland	PEM	OTHER	47.74	-	-	-	50.73	0.00	0.00	HDD: This complex is crossed via HDD HOU-07 at a depth ranging 11 to 13 feet. There will be no above-ground disturbance.				
	40.463811	-80.289215			PFO		27.15	-	-	28.85	0.00								
40.463864	-80.289237	S-PA-161206-WRA-001	UNT to Potato Garden Run	Floodway	Intermittent	-	31.01	-	-	-	-	32.94	0.00						
18	40.466653	-80.290370	17.9	S-PA-151202-MRK-003	UNT to Potato Garden Run	Stream Floodway	Perennial	WWF	4.50	4.50	69.88	0.00	4.78	0.00	0.00	GP-5	14 of 26	SS067	
				-	-	PSS	OTHER	62.48	-	-	66.39	0.00							
				W-PA-151202-MRK-003	-	Wetland	PFO	OTHER	0.00	-	-	9.31	0.00						
19	40.468995	-80.291152	18.0	S-PA-151202-MRK-002	UNT to Potato Garden Run	Floodway	Intermittent	-	0.00	-	-	-	0.00	1057.10	NA	GP-5, GP-8	14 of 26	SS068	
				S-PA-151202-MRK-001	UNT to Potato Garden Run	Floodway	Intermittent	-	0.00	-	-	-	0.00	4552.42	NA				Temporary Workspace: both upland floodways are located within TWS in the travel lane of the ROW. Following construction this area will be restored to original contours. Portions of this area will be covered with an erosion control blanket.

Resource Crossing	Latitude	Longitude	Nearest Milepost	Feature ID (Unique Identifier)	Stream Name	Feature Type (Stream, Floodway, Wetland)	Aquatic Resource Type ¹	Chapter 93 Designation ²	Pipeline or Access Road Crossing Length (ft) ³	Stream Width	Length of Stream within Permanent Right-of-Way (ft)	Length of Stream within Temporary Workspace (ft)	DEP Impact		Corps Impact	Crossing Type	Permit Type	Plan View Page	Site Specific # (Req H)
													Area within Permanent Right-of-Way (ft ²) ⁴	Area within Temporary Workspace (ft ²) ⁴	Area within ROW (ft ²) ⁴				
20	40.471279	-80.294268	18.3	W-PA-160401-MRK-008	-	Wetland	PEM	OTHER	30.16	-	-	-	891.91	77.01	968.92	Pipeline: The pipeline crosses the wetland directly. A trench will be dug in the wetland and the topsoil will be segregated. The pipeline will be placed a minimum of four feet deep. Following construction the segregated topsoil will be returned and the wetland will be restored to original contours and the area above the pipe and within the PROW will be maintained as an herbaceous wetland. Additionally, during construction the portion of the wetland located within the travel lane will have a 10-ft-wide timber mat placed over it so that equipment can cross. Once construction is complete, the timber mat will be removed.	GP-5, GP-8	15 of 26	SS069
21	40.471662	-80.293848	18.3	W-PA-160401-MRK-007	-	Wetland	PEM	OTHER	6.72	-	-	-	371.34	556.32	927.66	Permanent Right-of-Way: Topsoil will be segregated during construction. Following construction the wetland will be returned to original contours and maintained as a PEM wetland.	GP-5, GP-8	15 of 26	SS069
22	40.472656	-80.292393	18.4	W-PA-160401-MRK-006	-	Wetland	PEM	OTHER	0.00	-	-	-	0.00	0.00	0.00	N/A; Route Shifted	N/A	15 of 26	SS070 & 072
23	40.473412	-80.292626	18.5	W-PA-161213-MRK-003	-	Wetland	PEM	OTHER	42.25	-	-	-	3920.80	0.00	3920.80	Permanent Right-of-Way: Wetland topsoil will be segregated during construction. Following construction the wetland will be returned to original contours and maintained as a PEM wetland. The upland floodway will be returned to upland conditions following construction.	GP-5, GP-8	15 of 26	SS071
	40.473536	-80.292643		S-PA-161213-MRK-001	UNT to Potato Garden Run	Stream	Intermittent	-	2.00	2.00	51.45	25.03	102.90	50.06	152.96				
24	40.472937	-80.292463	18.5	W-PA-160401-MRK-005	-	Wetland	PSS	OTHER	0.00	-	-	-	0.00	4629.80	4629.80	Temporary Workspace: the shrubs will be cleared and topsoil will be segregated. Timber mats will be placed within the travel lane. Following construction, timber mats will be removed, the segregated topsoil will be returned, and the contours will be restored to original conditions. Since this is a TWS, shrubs will be allowed to grow back in this area.	GP-5, GP-8	15&16 of 26	SS072
	40.474585	-80.292346		S-PA-161220-MRK-001	UNT to Potato Garden Run	Stream	Intermittent	WWF	0.00	4.00	189.65	95.04	758.58	380.17	1138.75	Permanent Right-of-Way: This is in an upland area and once construction is completed, it will be restored to previous conditions and maintained in an herbaceous state.			
						Floodway	Intermittent	-	326.30	-	-	-	16007.74	10043.74					
25	40.475799	-80.291850	18.6	W-PA-161220-MRK-002	-	Wetland	PEM	OTHER	48.97	-	-	-	1764.00	2.02	1766.02	Pipeline: A trench will be dug in the wetland and the topsoil will be segregated. The pipeline will be placed a minimum of four feet deep. Following construction the segregated topsoil will be returned and the wetland will be restored to original contours and the area above the pipe and within the PROW will be maintained as an herbaceous wetland.	GP-5, GP-8	16 of 26	SS073
26	40.476167	-80.291463	18.7	W-PA-161220-MRK-001	-	Wetland	PEM	OTHER	0.00	-	-	-	0.00	944.96	944.96	Temporary Workspace: The topsoil will be segregated during construction. A 10-foot-wide timber mat will be placed over the wetland in the travel lane to allow for construction equipment to cross the wetland. Following construction the timber mat will be removed, segregated topsoil will be returned, and the wetland will be returned to its original contours.	GP-5, GP-8	16 of 26	SS073
27	40.479131	-80.293634	18.9	W-PA-170213-JLK-004	-	Wetland	PEM	OTHER	51.02	-	-	-	605.19	0.00	605.19	Pipeline: The pipeline crosses the wetland directly. A trench will be dug in the wetland and the topsoil will be segregated. The pipeline will be placed a minimum of four feet deep. Following construction the segregated topsoil will be returned and the wetland will be restored to original contours and the area above the pipe and within the PROW will be maintained as an herbaceous wetland. Additionally, during construction the portion of the wetland located within the travel lane will have a 10-ft-wide timber mat placed over it so that equipment can cross. Once construction is complete, the timber mat will be removed.	GP-5, GP-8	17 of 26	SS074
	40.479230	-80.293765		S-PA-161123-WRA-006 Crossing #1	UNT to Potato Garden Run	Stream	Intermittent	WWF	0.00	6.00	123.04	98.62	738.24	591.70	1329.94	Permanent Right-of-Way/Pipeline: The stream crossing will be conducted "in the dry" and the method used (pump and dam/flume) will be determined on site depending on the conditions at the time. The trench will be dug in the dry stream bed and placed a minimum of five feet below stream bed depth. Following construction, the stream will be restored to its original contours. Additionally, a 10-ft-wide timber mat will be placed in the travel area across the stream to allow for construction equipment crossing. Following construction the timber mat will be removed.			
	40.479318	-80.293815		W-PA-170213-JLK-003	-	Wetland	PSS	OTHER	0.00	-	-	-	-	311.34	149.34	460.68			
						Floodway	Intermittent	-	65.82	-	-	-	4182.17	1471.66	465.03	Pipeline/Permanent ROW: The stream crossing will be conducted "in the dry" and the method used (pump and dam/flume) will be determined on site depending on the conditions at the time. The			

Resource Crossing	Latitude	Longitude	Nearest Milepost	Feature ID (Unique Identifier)	Stream Name	Feature Type (Stream, Floodway, Wetland)	Aquatic Resource Type ¹	Chapter 93 Designation ²	Pipeline or Access Road Crossing Length (ft) ³	Stream Width	Length of Stream within Permanent Right-of-Way (ft)	Length of Stream within Temporary Workspace (ft)	DEP Impact		Corps Impact	Crossing Type	Permit Type	Plan View Page	Site Specific # (Req H)
													Area within Permanent Right-of-Way (ft ²) ⁴	Area within Temporary Workspace (ft ²) ⁴	Area within ROW (ft ²) ⁴				
28	40.481328	-80.295883	19.1	S-PA-151111-MRK-003	UNT to Potato Garden Run	Stream	Perennial	WWF	4.50	4.50	119.31	116.03	536.88	522.15	1059.04	trench will be dug in the dry stream bed and placed a minimum of five feet below stream bed depth. Following construction, the stream will be restored to its original contours. Additionally, a 10-ft-wide timber mat will be placed in the travel area across the stream to allow for construction equipment crossing. Following construction the timber mat will be removed. For the wetland, A trench will be dug in the wetland and the topsoil will be segregated. The pipeline will be placed a minimum of four feet deep. Following construction the segregated topsoil will be returned and the wetland will be restored to original contours and the area above the pipe and within the PROW will be maintained as an herbaceous wetland. Additionally, during construction the portion of the wetland located within the travel lane will have a 10-ft-wide timber mat placed over it so that equipment can cross. Once construction is complete, the timber mat will be removed.	GP-5, GP-8	17&18 of 26	SS075/SS076/SS077
						Floodway													
	40.481375	-80.296061	S-PA-161123-WRA-004	Stream	Intermittent	WWF	0.00	4.00	2.19	143.89	8.74	575.55	584.29						
				Floodway										-	9.94				
40.481977	-80.295781	19.2	W-PA-161122-WRA-002	-	Wetland	PEM	OTHER	84.76	-	-	-	4436.61	13.45	4450.07					
40.481856	-80.295869		S-PA-161122-WRA-004	UNT to Potato Garden Run	Stream	Ephemeral	WWF	0.00	2.00	13.15	55.40	26.29	110.81	137.10					
			Floodway	-	0.00										-	-	-	644.38	6249.71
29	40.483435	-80.296473	19.3	S-PA-161122-WRA-001	UNT to Potato Garden Run	Stream	Intermittent	WWF	5.00	5.00	58.52	32.56	292.62	162.78	455.40	Pipeline: The stream crossing will be conducted "in the dry" and the method used (pump and dam/flume) will be determined on site depending on the conditions at the time. The trench will be dug in the dry stream bed and placed a minimum of five feet below stream bed depth. Following construction, the stream will be restored to its original contours. Additionally, a 10-ft-wide timber mat will be placed in the travel area across the stream to allow for construction equipment crossing. Following construction the timber mat will be removed.	GP-5, GP-8	18 of 26	SS078
						Floodway													
30	40.484823	-80.303870	19.7	S-PA-160308-MRK-001	UNT to Potato Garden Run	Stream	Intermittent	WWF	0.00	2.50	8.86	31.39	22.15	78.47	100.62	Pipeline/Permanent ROW: The stream crossing will be conducted "in the dry" and the method used (pump and dam/flume) will be determined on site depending on the conditions at the time. The trench will be dug in the dry stream bed and placed a minimum of five feet below stream bed depth. Following construction, the stream will be restored to its original contours. Additionally, a 10-ft-wide timber mat will be placed in the travel area across the stream to allow for construction equipment crossing. Following construction the timber mat will be removed.	GP-5, GP-8	18 of 26	SS079
						Floodway													
31	40.485044	-80.305855	19.8	S-PA-151112-MRK-003	UNT to Potato Garden Run	Stream	Perennial	WWF	7.00	7.00	90.96	43.84	636.71	306.91	943.62	Pipeline: The stream crossing will be conducted "in the dry" and the method used (pump and dam/flume) will be determined on site depending on the conditions at the time. The trench will be dug in the dry stream bed and placed a minimum of five feet below stream bed depth. Following construction, the stream will be restored to its original contours. Additionally, a 10-ft-wide timber mat will be placed in the travel area across the stream to allow for construction equipment crossing. Following construction the timber mat will be removed.	GP-5, GP-8	18&20 of 26	SS080
						Floodway													
32	40.485014	-80.306116	19.9	W-PA-160307-MRK-006	-	Wetland	PEM	OTHER	0.00	-	-	-	185.64	402.57	588.20	Permanent Right-of-Way: A trench will be dug in the wetland and the topsoil will be segregated. The pipeline will be placed a minimum of four feet deep. Following construction the segregated topsoil will be returned and the wetland will be restored to original contours and the area above the pipe and within the PROW will be maintained as an herbaceous wetland. During construction the portion of the wetland located within the travel lane will have a 10-ft-wide timber mat placed over it so that equipment can cross. Once construction is complete, the timber mat will be removed.	GP-5, GP-8	20 of 26	SS081
32	40.485114	-80.307181	19.9	W-PA-160307-MRK-004	-	Wetland	PEM	OTHER	0.00	-	-	-	59.96	101.72	161.67	Permanent and Temporary ROW: A trench will be dug in the wetland and the topsoil will be segregated. The pipeline will be placed a minimum of four feet deep. Following construction the segregated topsoil will be returned and the wetland will be restored to original contours and the area above the pipe and within the PROW will be maintained as an herbaceous wetland. During construction the portion of the wetland located within the travel lane will have a 10-ft-wide timber mat placed over it so that equipment can cross. Once construction is complete, the timber mat will be removed.	GP-5, GP-8	20 of 26	SS081
				S-PA-151112-MRK-003	UNT to Potato Garden Run	Floodway	Perennial	-	0.00	-	-	-	292.63	2079.69	NA	Permanent and Temporary ROW: This is in an upland area and once construction is completed, it will be restored to previous conditions and the area within the PROW will be maintained in an herbaceous state.			
	40.485210	-80.307571		S-PA-151112-MRK-002	UNT to Potato Garden Run	Stream	Perennial	WWF	4.50	4.50	133.65	33.75	601.41	151.88	753.20	Pipeline/PROW: For the streams/floodways: The stream crossings will be conducted "in the dry" and the method used (pump and			

Resource Crossing	Latitude	Longitude	Nearest Milepost	Feature ID (Unique Identifier)	Stream Name	Feature Type (Stream, Floodway, Wetland)	Aquatic Resource Type ¹	Chapter 93 Designation ²	Pipeline or Access Road Crossing Length (ft) ³	Stream Width	Length of Stream within Permanent Right-of-Way (ft)	Length of Stream within Temporary Workspace (ft)	DEP Impact		Corps Impact	Crossing Type	Permit Type	Plan View Page	Site Specific # (Req H)
													Area within Permanent Right-of-Way (ft ²) ⁴	Area within Temporary Workspace (ft ²) ⁴	Area within ROW (ft ²) ⁴				
33	40.485210	-80.307571	20.0	S-PA-151112-MRK-002	UNT to Potato Garden Run	Floodway	Perennial	-	224.85	-	-	-	11222.54	4770.76	733.20	Pipeline: The stream crossings will be conducted "in the dry" and the method used (pump and dam/flume) will be determined on site depending on the conditions at the time. The trench will be dug in the dry stream bed and placed a minimum of five feet below stream bed depth. Following construction, the streams will be restored to their original contours. Additionally, a 10-ft-wide timber mat will be placed in the travel area across the streams to allow for construction equipment crossing. Following construction the timber mats will be removed. A small portion of the wetland is located within the PROW. Topsoil will be segregated during construction. Following construction it will be replaced and original contours will be returned. The wetland will be maintained as PEM.	GP-5, GP-8	20 of 26	SS082
	40.485300	-80.307881		W-PA-160307-MRK-003	-	Wetland	PEM	OTHER	0.00	-	-	-	252.49	0.00	252.49				
	40.485545	-80.308573		S-PA-151112-MRK-001A	UNT to Potato Garden Run	Stream	Ephemeral	WWF	2.00	2.00	64.72	32.67	129.44	65.34	194.78				
34	40.490343	-80.315476	20.5	S-PA-151116-MRK-002	UNT to Potato Garden Run	Stream	Intermittent	WWF	5.50	5.50	92.92	51.41	511.04	282.76	793.80	Pipeline: The stream crossings will be conducted "in the dry" and the method used (pump and dam/flume) will be determined on site depending on the conditions at the time. The trench will be dug in the dry stream bed and placed a minimum of five feet below stream bed depth. Following construction, the streams will be restored to their original contours. Additionally, a 10-ft-wide timber mat will be placed in the travel area across the streams to allow for construction equipment crossing. Following construction the timber mats will be removed.	GP-5, GP-8	21&22 of 26	SS083/SS084
	40.490698	-80.315591		S-PA-151116-MRK-001		Stream		Perennial	WWF	6.50	6.50	51.55	54.95	335.05					
	40.490606	-80.315710	W-PA-161020-MRK-001	-	Wetland	PEM	OTHER		0.00	-	-	-	0.00	531.38	531.38				
	40.492990	-80.314508	20.7	W-PA-160308-MRK-001	-	Wetland	PEM	OTHER	165.25	-	-	-	8740.92	0.00	8740.92				
35	40.503138	-80.314899	21.7	S-PA-151116-MRK-003	UNT to Raredon Run	Stream	Perennial	WWF	6.50	6.50	87.82	25.50	570.85	165.74	736.59	Pipeline/Permanent ROW: For the stream, the stream crossing will be conducted "in the dry" and the method used (pump and dam/flume) will be determined on site depending on the conditions at the time. The trench will be dug in the dry stream bed and placed a minimum of five feet below stream bed depth. Following construction, the stream will be restored to its original contour. For the wetland, a trench will be dug in the wetland and the topsoil will be segregated. The pipeline will be placed a minimum of four feet deep. Following construction the segregated topsoil will be returned and the wetland will be restored to original contours and the area above the pipe and within the PROW will be maintained as an herbaceous wetland. Additionally, during construction the portion of the wetland and stream complex located within the travel lane will have 10-ft-wide timber mats placed over it so that equipment can cross. Once construction is complete, the timber mats will be removed.	GP-5, GP-8	24 of 26	SS085
	40.503167	-80.315003		W-PA-151116-MRK-003	-	Wetland		PEM	OTHER	0.00	-	-	-	328.53					
36	40.506020	-80.315154	21.9	S-PA-151118-JLK-004	UNT to Raredon Run	Stream	Perennial	WWF	8.50	8.50	50.54	25.48	429.58	216.57	646.15	Pipeline: the stream crossing will be conducted "in the dry" and the method used (pump and dam/flume) will be determined on site depending on the conditions at the time. The trench will be dug in the dry stream bed and placed a minimum of five feet below stream bed depth. Following construction, the stream will be restored to its original contours. Additionally, a 10-ft-wide timber mat will be placed in the travel area across the stream to allow for construction equipment crossing. Following construction the timber mat will be removed.	GP-5, GP-8	25 of 26	SS086
				Floodway	-	109.35		-	-	-	5483.01	2829.84							
37	40.509535	-80.312967	22.2	S-PA-151118-JLK-003	UNT to Raredon Run	Stream	Intermittent	WWF	3.35	3.35	50.96	50.75	170.72	170.00	340.72	Pipeline: the stream crossing will be conducted "in the dry" and the method used (pump and dam/flume) will be determined on site depending on the conditions at the time. The trench will be dug in the dry stream bed and placed a minimum of five feet below stream bed depth. Following construction, the stream will be restored to its original contours. Additionally, a 10-ft-wide timber mat will be placed in the travel area across the stream to allow for construction equipment crossing. Following construction the timber mat will be removed.	GP-5, GP-8	25 of 26	SS087
				Floodway	-	105.34		-	-	-	5266.88	5242.17							
	40.512229	-80.311028		S-PA-161207-WRA-003A		Stream	Intermittent	WWF	0.00	6.00	14.85	12.93	89.09	77.56	166.64	Permanent Right-of-Way: stream work will be conducted in the dry. Once construction is completed, the stream will be restored to its original contours.			
					Floodway	-		-	20.15	-	-	-	856.70	631.24					

Resource Crossing	Latitude	Longitude	Nearest Milepost	Feature ID (Unique Identifier)	Stream Name	Feature Type (Stream, Floodway, Wetland)	Aquatic Resource Type ¹	Chapter 93 Designation ²	Pipeline or Access Road Crossing Length (ft) ³	Stream Width	Length of Stream within Permanent Right-of-Way (ft)	Length of Stream within Temporary Workspace (ft)	DEP Impact		Corps Impact	Crossing Type	Permit Type	Plan View Page	Site Specific # (Req H)
													Area within Permanent Right-of-Way (ft ²) ⁴	Area within Temporary Workspace (ft ²) ⁴	Area within ROW (ft ²) ⁴				
38	40.512243	-80.310929	22.4	S-PA-161207-WRA-003	UNT to Raredon Run	Stream	Intermittent	WWF	6.00	6.00	56.14	24.83	336.84	148.99	485.82	Pipeline: the stream crossings will be conducted "in the dry" and the method used (pump and dam/flume) will be determined on site depending on the conditions at the time. The trench will be dug in the dry stream bed and placed a minimum of five feet below stream bed depth. Following construction, the streams will be restored to their original contours. Additionally, 10-ft-wide timber mats will be placed in the travel area across the streams to allow for construction equipment crossing. Following construction the timber mats will be removed.	GP-5, GP-8	26 of 26	SS088
						Floodway		-	26.14	-	-	-	1500.47	2939.86					
	Stream	Intermittent		WWF		6.00	6.00	52.71	12.44	316.29	74.65	390.93							
	Floodway			-		111.76	-	-	-	5575.27	4973.90								
Houston to Junction Pipeline, Allegheny County, Pennsylvania Totals						Stream			119.35	148.85	1943.07	977.61	8,763.46	4,984.82	12,433.22				
						Floodway			5817.24	0.00	0.00	0.00	206,159.84	158,319.24	NA				
						Wetland			999.88	0.00	0.00	0.00	29,227.38	18,141.85	46944.09				

KEY

¹ Cowardin Vegetation Classes are defined by the United States Fish and Wildlife Service (USFWS) for the National Wetland Inventory. PEM -Palustrine Emergent, PSS - Palustrine Scrub Shrub, PFO - Palustrine Forested, PUB - Palustrine Unconsolidated Bottom, POW - Palustrine Open

² Title 25, PA Code, Chapter 93 Designation WWF - Warm Water Fishes, TSF - Trout Stocked Fishes, EV - Exceptional Value, OTHER - other wetland, not EV

³ Floodways overlap streams and wetlands but not other floodways. Floodways are an assumed 50' wide from tops of banks. These are only applicable to PADEP impacts.

⁴ The areas for wetlands and floodways are measured using Geographic Information Systems (G.I.S.) and the areas of streams are calculated by multiplying width X length.

Note that although there is no permanent above-ground ROW for HDDs, the permanent impact area is captured within the "Area within Permanent Right-of-Way" column.

Change since 9/15/17 Permit Submission

Requirement B

Application Fee

PART ONE: WATER OBSTRUCTIONS AND ENCROACHMENTS

SECTION A. APPLICATION FEES

WATER OBSTRUCTION AND ENCROACHMENT PERMIT (Joint Permit Application)

Some activities or structures within a project may also qualify for an accumulation of General Permit fees, please mark the box above indicating an Individual Water Obstruction and Encroachment Permit AND the corresponding fee(s) in the General Permit section below those. Activities or structures not qualifying for a General Permit fee must include a disturbance fee.

<input checked="" type="checkbox"/> Administrative Filing Fee ¹		\$ 1,750	+	
<input type="checkbox"/> Temporary Disturbance (\$400/0.1ac).....	0.0 acres x \$4,000 =	\$ 0	+	
<input checked="" type="checkbox"/> Permanent Disturbance (\$800/0.1ac).....	0.1 acres x \$8,000 =	\$ 800		= \$ 800

WO&E FEE subtotal (a) \$ 2,550

GENERAL PERMIT(S) (select activity/structure(s) below, see page 4 for “#” explanation)

Some activities or structures within a project requiring an Individual Water Obstruction and Encroachment Permit may qualify for an accumulation of General Permit fees, please mark the corresponding fee(s) below but not the box above indicating a General Permit.

<input type="checkbox"/> GP-1 Fish Habitat Enhancement Structures		\$ 50	= \$	_____
<input type="checkbox"/> GP-2 Small Docks and Boat Launching Ramps.....	_____ (#) X	\$ 175	= \$	_____
<input type="checkbox"/> GP-3 Bank Rehabilitation, Bank Protection and Gravel Bar Removal.....	_____ (#) X	\$ 250	= \$	_____
<input type="checkbox"/> GP-4 Intake and Outfall Structures	_____ (#) X	\$ 200	= \$	_____
<input checked="" type="checkbox"/> GP-5 Utility Line Stream Crossings ²	1 (#) X 34 (#) X	\$ 250	= \$	8,500
<input type="checkbox"/> GP-6 Agricultural Crossings and Ramps.....	_____ (#) X	\$ 50	= \$	_____
<input type="checkbox"/> GP-7 Minor Road Crossings ²	_____ (#) X	\$ 350	= \$	_____
<input checked="" type="checkbox"/> GP-8 Temporary Road Crossings ²	35 (#) X	\$ 175	= \$	6,125
<input type="checkbox"/> GP-9 Agricultural Activities		\$ 50	= \$	_____
<input type="checkbox"/> GP-10 Abandoned Mine Reclamation		\$ 500	= \$	_____
<input type="checkbox"/> GP-11 Maintenance, Testing, Repair, Rehabilitation, or Replacement of Water Obstructions and Encroachments ¹		\$ 750	+	
<input type="checkbox"/> Temporary Disturbance (\$400/0.1ac).....	_____ acres x \$4,000 =	\$ _____	+	
<input type="checkbox"/> Permanent Disturbance (\$800/0.1ac).....	_____ acres x \$8,000 =	\$ _____		= \$ _____
<input type="checkbox"/> GP-15 Private Residential Construction in Wetlands ¹		\$ 750	+	
<input type="checkbox"/> Temporary Disturbance (\$400/0.1ac)	_____ acres x \$4,000 =	\$ _____	+	
<input type="checkbox"/> Permanent Disturbance (\$800/0.1ac).....	_____ acres x \$8,000 =	\$ _____		= \$ _____

GP(s) FEE subtotal (b) \$ 14,625

PART ONE: SECTION A. APPLICATION FEE(S) subtotal (a+b=c) \$ 17,175

SECTION B. OTHER FEES

<input type="checkbox"/> Environmental Assessment for Waived Activities (§105.13(c)(2)(iv))		\$ 500		\$ 0
<input type="checkbox"/> Amendment to Water Obstruction and Encroachment Permit				
<input type="checkbox"/> Major Amendment ¹		\$ 500	+	
<input type="checkbox"/> Temporary Disturbance	_____ acres x \$4,000 =	\$ _____	+	\$ 0
<input type="checkbox"/> Permanent Disturbance.....	_____ acres x \$8,000 =	\$ _____		= \$ 0
<input type="checkbox"/> Minor Amendment		\$ 250		\$ 0

Transfer of Water Obstruction and Encroachment Permit *does not require submission of this form;*
see [Application for Transfer of Permit / Submerged Lands License Agreement \(3150-PM-BWEW-0016\)](#)

PART ONE: SECTION B. OTHER FEE(S) subtotal (d) \$ 0

PART ONE: FEE(S) TOTAL (c+d=e) \$ 16,448

DEP USE ONLY

FEE TOTAL: _____	Permit / Authorization Number (s): _____
Correct Amount: _____	Check #: _____
Check Amount: _____	Payable to: _____

PART TWO: DAM SAFETY (USE ONE FEE SHEET PER DAM)

SECTION A. APPLICATION FEES

DAM PERMIT APPLICATION – NEW DAM

- Size A Hazard 1 \$26,500 Hazard 2 \$26,500 Hazard 3 \$25,500 Hazard 4 \$23,500 \$ _____
- Size B Hazard 1 \$19,000 Hazard 2 \$19,000 Hazard 3 \$18,500 Hazard 4 \$17,000 \$ _____
- Size C Hazard 1 \$10,500 Hazard 2 \$10,500 Hazard 3 \$10,000 Hazard 4 \$ 8,000 \$ _____

STAGED CONSTRUCTION

NO. OF STAGES BEYOND INITIAL STAGE _____ X APPLICATION FEE _____ X 0.90 (90%) \$ _____

DAM PERMIT APPLICATION – MODIFICATION OF DAM

- Size A Hazard 1 \$18,500 Hazard 2 \$18,500 Hazard 3 \$18,500 Hazard 4 \$18,000 \$ _____
- Size B Hazard 1 \$12,000 Hazard 2 \$12,000 Hazard 3 \$12,000 Hazard 4 \$11,500 \$ _____
- Size C Hazard 1 \$ 7,500 Hazard 2 \$ 7,500 Hazard 3 \$ 7,500 Hazard 4 \$ 7,500 \$ _____

STAGED CONSTRUCTION

NO. OF STAGES BEYOND INITIAL STAGE _____ X APPLICATION FEE _____ X 0.85 (85%) \$ _____

DAM PERMIT APPLICATION – OPERATION & MAINTANANCE OF EXISTING DAM

- Size A Hazard 1 \$12,500 Hazard 2 \$12,500 Hazard 3 \$12,000 Hazard 4 \$10,000 \$ _____
- Size B Hazard 1 \$10,000 Hazard 2 \$10,000 Hazard 3 \$ 9,500 Hazard 4 \$ 8,500 \$ _____
- Size C Hazard 1 \$ 7,000 Hazard 2 \$ 7,000 Hazard 3 \$ 6,500 Hazard 4 \$ 6,000 \$ _____

PART TWO: SECTION A. APPLICATION FEE(S) subtotal (a) \$ 0

SECTION B. OTHER FEES

Letter of Amendment or Authorization

Major (≥\$250,000)

- Size A \$14,700 Size B \$ 8,700 Size C \$ 4,400 \$ _____

Minor (<\$250,000)

- Size A \$ 1,300 Size B \$ 1,000 Size C \$ 650 \$ _____

Major Dam Design Revision

- Size A \$ 4,700 Size B \$ 3,200 Size C \$ 1,700 \$ _____

Environmental Assessment

Environmental Assessment for Dam Removal (§105.12(a)(16)) \$ 500 \$ _____

Non-Jurisdictional Dams \$ 900 \$ _____

Letter of Amendment or Authorization

- Size A \$ 1,400 Size B \$ 1,000 Size C \$ 900 \$ _____

Transfer of Dam Permit

No Proof of Financial Responsibility \$ 550 Proof of Financial Responsibility \$300 \$ _____

Annual Registration

- Hazard 1 \$ 1,500 Hazard 2 \$ 1,500 Hazard 3 \$ 800 \$ _____

PART TWO: SECTION B. OTHER FEE(S) subtotal (b) \$ 0

PART TWO: FEE(S) TOTAL (a+b=c) \$ 0

DEP USE ONLY

FEE TOTAL:		Permit / Authorization Number (s):	
Correct Amount:		Check #:	
Check amount:		Payable to:	

Requirement C

Acts 14/67/68/127 Notifications and Receipts

From: TrackingUpdates@fedex.com
To: [Shearer, Natalie](#)
Subject: FedEx Shipment 770223439117 Delivered
Date: Wednesday, September 13, 2017 10:35:11 AM

FedEx®

Your package has been delivered

Tracking # 770223439117

Ship date:

Tue, 9/12/2017

Natalie L. Shearer

AECOM
Pittsburgh, PA 15220
US




Delivery date:

Wed, 9/13/2017 10:33 am

Chief Executive, Rich Fitzgerald

Allegheny County Government
436 Grant Street #101
Allegheny County Courthouse
PITTSBURGH, PA 15219
US


Delivered

Shipment Facts

Our records indicate that the following package has been delivered.

Tracking number:	770223439117
Status:	Delivered: 09/13/2017 10:33 AM Signed for By: J.KALSO
Invoice number:	10.5
Purchase order number:	60536988
Reference:	04104183.1
Signed for by:	J.KALSO
Delivery location:	PITTSBURGH, PA
Delivered to:	Receptionist/Front Desk
Service type:	FedEx Priority Overnight
Packaging type:	FedEx Box
Number of pieces:	1
Weight:	2.00 lb.
Special handling/Services:	Deliver Weekday
Standard transit:	9/13/2017 by 10:30 am

Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 9:35 AM CDT on 09/13/2017.

All weights are estimated.

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Thank you for your business.



AECOM
681 Anderson Drive
Pittsburgh
PA, 15220
USA
aecom.com

September 11, 2017

Allegheny County Government
Chief Executive, Rich Fitzgerald
Allegheny County Courthouse
436 Grant Street #101
Pittsburgh, PA 15219

Via FedEx: 7702 2343 9117

Dear County Commissioners:

Shell Pipeline Company LP (SPLC) retained AECOM Technical Services, Inc. (AECOM) to provide design and permitting services. This notice is to inform you of SPLC's intent to construct an ethane pipeline under a Pennsylvania Erosion and Sediment Control General Permit (ESCGP-2) for Earth Disturbance Associated with Oil & Gas Exploration, Production, Processing or Treatment Operations or Transmission Facilities and a Chapter 105 Water Obstruction and Encroachment Joint Permit coverage from the Pennsylvania Department of Environmental Protection (PADEP) for the following project:

Project Name: Falcon Ethane Pipeline System
Project Description: Installation of approximately 8.8 miles of 12-inch ethane pipeline ethane pipeline for the purpose of delivering product to the Shell Pennsylvania Petrochemical Facility in Monaca, Pennsylvania.
Applicant Name: Shell Pipeline Company LP
Applicant Contact: Robert Wooten
150 North Dairy Ashford #A2036G
Houston Texas, 77079
Phone: (832) 762-2568
Site Location: See attached Location Map.
Municipality/County: Findlay and North Fayette Townships, Allegheny County, PA

Enclosed is a Location Map, a copy of the General Information Form (GIF), a copy of the ESCGP-2 Notice of Intent (NOI) Form, and the Erosion & Sediment Control (E&SC) plan drawings completed by AECOM on behalf of the applicant. If desired, AECOM will also furnish the E&SC Narrative and detail drawings. DEP invites you to review the attached form and to comment on the accuracy of answers provided with regard to land use aspects of this project. Please be specific to DEP and focus on the relationship to local ordinances. If you wish to submit comments to DEP, you must respond within 30 days to the DEP regional office referenced in this letter. If you do not submit comments by the end of the comment period, DEP will assume that there are no substantive conflicts and proceed with the normal application review process.

This letter is intended to satisfy the requirements of Pennsylvania Acts 14, 67, 68, and 127 and the Pennsylvania Municipalities Planning Code. Section 1905-A of the Commonwealth Administrative Code, as amended by Act 14, requires that each applicant for a PADEP permit must give written notice to the municipality(ies) and the county(ies) in which the permitted activity is located. The written notices shall be received by the municipality(ies) and county(ies) at least 30 days before the PADEP may issue or deny the permit.

Acts 67 and 68, which amended the Municipalities Planning Code to support sound land use practices and planning efforts, direct state agencies to consider comprehensive plans and zoning ordinances when reviewing applications for permitting of facilities or infrastructure, and specify that state agencies may rely upon comprehensive plans and zoning ordinances under certain conditions as described in Sections 619.2 and 1105 of the Municipalities Planning Code.

Please submit any comments concerning this project within 30 days from the date of receipt of this letter to the PADEP, Southwest Regional Office, 400 Waterfront Drive, Pittsburgh, PA 15222-4745.

For more information about this land use review process, please contact me at 412-503-4595 or visit www.depweb.state.pa.us (Keyword: Land Use Reviews).

Sincerely,



Natalie L. Shearer, M.S., QEP
Natural Resources Lead
AECOM

Enclosures: Location Map, General Information Form (GIF), ESCGP-2 NOI Form, and E&SC plan drawings

From: TrackingUpdates@fedex.com
To: [Shearer, Natalie](#)
Subject: FedEx Shipment 770223472815 Delivered
Date: Wednesday, September 13, 2017 11:09:53 AM

FedEx®

Your package has been delivered

Tracking # 770223472815

Ship date: Tue, 9/12/2017	Delivery date: Wed, 9/13/2017 11:06 am
Natalie L. Shearer AECOM Pittsburgh, PA 15220 US	Chris Caruso, Township Manager Findlay Township 1271 Route 30, Findlay Township CLINTON, PA 15026 US
 Delivered	

Shipment Facts

Our records indicate that the following package has been delivered.

Tracking number:	770223472815
Status:	Delivered: 09/13/2017 11:06 AM Signed for By: K.CAIN
Invoice number:	10.5
Purchase order number:	60536988
Reference:	04104183.1
Signed for by:	K.CAIN
Delivery location:	CLINTON, PA
Delivered to:	Receptionist/Front Desk
Service type:	FedEx Priority Overnight
Packaging type:	FedEx Box
Number of pieces:	1
Weight:	2.00 lb.
Special handling/Services:	Deliver Weekday
Standard transit:	9/13/2017 by 12:00 pm

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Thank you for your business.



AECOM
681 Anderson Drive
Pittsburgh
PA, 15220
USA
aecom.com

September 11, 2017

Chris Caruso, Township Manager
Findlay Township
1271 Route 30, Findlay Township
Clinton, PA 15026

Via FedEx: 7702 2347 2815

Dear Mr. Caruso:

Shell Pipeline Company LP (SPLC) retained AECOM Technical Services, Inc. (AECOM) to provide design and permitting services. This notice is to inform you of SPLC's intent to construct an ethane pipeline under a Pennsylvania Erosion and Sediment Control General Permit (ESCGP-2) for Earth Disturbance Associated with Oil & Gas Exploration, Production, Processing or Treatment Operations or Transmission Facilities and a Chapter 105 Water Obstruction and Encroachment Joint Permit coverage from the Pennsylvania Department of Environmental Protection (PADEP) for the following project:

Project Name: Falcon Ethane Pipeline System
Project Description: Installation of approximately 8.8 miles of 12-inch ethane pipeline ethane pipeline for the purpose of delivering product to the Shell Pennsylvania Petrochemical Facility in Monaca, Pennsylvania.
Applicant Name: Shell Pipeline Company LP
Applicant Contact: Robert Wooten
150 North Dairy Ashford #A2036G
Houston Texas, 77079
Phone: (832) 762-2568
Site Location: See attached Location Map.
Municipality/County: Findlay and North Fayette Townships, Allegheny County, PA

Enclosed is a Location Map, a copy of the General Information Form (GIF), a copy of the ESCGP-2 Notice of Intent (NOI) Form, and the Erosion & Sediment Control (E&SC) plan drawings completed by AECOM on behalf of the applicant. If desired, AECOM will also furnish the E&SC Narrative and detail drawings. DEP invites you to review the attached form and to comment on the accuracy of answers provided with regard to land use aspects of this project. Please be specific to DEP and focus on the relationship to local ordinances. If you wish to submit comments to DEP, you must respond within 30 days to the DEP regional office referenced in this letter. If you do not submit comments by the end of the comment period, DEP will assume that there are no substantive conflicts and proceed with the normal application review process.

This letter is intended to satisfy the requirements of Pennsylvania Acts 14, 67, 68, and 127 and the Pennsylvania Municipalities Planning Code. Section 1905-A of the Commonwealth Administrative Code, as amended by Act 14, requires that each applicant for a PADEP permit must give written notice to the municipality(ies) and the county(ies) in which the permitted activity is located. The written notices shall be received by the municipality(ies) and county(ies) at least 30 days before the PADEP may issue or deny the permit.

Acts 67 and 68, which amended the Municipalities Planning Code to support sound land use practices and planning efforts, direct state agencies to consider comprehensive plans and zoning ordinances when reviewing applications for permitting of facilities or infrastructure, and specify that state agencies may rely upon comprehensive plans and zoning ordinances under certain conditions as described in Sections 619.2 and 1105 of the Municipalities Planning Code.

Please submit any comments concerning this project within 30 days from the date of receipt of this letter to the PADEP, Southwest Regional Office, 400 Waterfront Drive, Pittsburgh, PA 15222-4745.

For more information about this land use review process, please contact me at 412-503-4595 or visit www.depweb.state.pa.us (Keyword: Land Use Reviews).

Sincerely,



Natalie L. Shearer, M.S., QEP
Natural Resources Lead
AECOM

Enclosures: Location Map, General Information Form (GIF), ESCGP-2 NOI Form, and E&SC plan drawings

From: TrackingUpdates@fedex.com
To: [Shearer, Natalie](#)
Subject: FedEx Shipment 770223505008 Delivered
Date: Wednesday, September 13, 2017 8:49:34 AM

FedEx®

Your package has been delivered

Tracking # 770223505008

Ship date:

Tue, 9/12/2017

Natalie L. Shearer

AECOM
Pittsburgh, PA 15220
US

Delivery date:

**Wed, 9/13/2017 8:47
am**

**James Morosetti & Laura
Ludwig**

Township of North Fayette
400 North Branch Road
Oakdale, PA 15071
US


Delivered

Shipment Facts

Our records indicate that the following package has been delivered.

Tracking number:	770223505008
Status:	Delivered: 09/13/2017 08:47 AM Signed for By: W.BUNGARD
Invoice number:	10.5
Purchase order number:	60536988
Reference:	04104183.1
Signed for by:	W.BUNGARD
Delivery location:	Oakdale, PA
Delivered to:	Receptionist/Front Desk
Service type:	FedEx Priority Overnight
Packaging type:	FedEx Box
Number of pieces:	1
Weight:	2.00 lb.
Special handling/Services:	Deliver Weekday
Standard transit:	9/13/2017 by 10:30 am

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Thank you for your business.



AECOM
681 Anderson Drive
Pittsburgh
PA, 15220
USA
aecom.com

September 11, 2017

James Morosetti, Chairman of
Board of Supervisors
Laura Ludwig, Community
Development Director
North Fayette Township
400 North Branch Rd, Oakdale, PA

Via FedEx: 7702 2350 5008

Dear Supervisors:

Shell Pipeline Company LP (SPLC) retained AECOM Technical Services, Inc. (AECOM) to provide design and permitting services. This notice is to inform you of SPLC's intent to construct an ethane pipeline under a Pennsylvania Erosion and Sediment Control General Permit (ESCGP-2) for Earth Disturbance Associated with Oil & Gas Exploration, Production, Processing or Treatment Operations or Transmission Facilities and a Chapter 105 Water Obstruction and Encroachment Joint Permit coverage from the Pennsylvania Department of Environmental Protection (PADEP) for the following project:

Project Name:	Falcon Ethane Pipeline System
Project Description:	Installation of approximately 8.8 miles of 12-inch ethane pipeline ethane pipeline for the purpose of delivering product to the Shell Pennsylvania Petrochemical Facility in Monaca, Pennsylvania.
Applicant Name:	Shell Pipeline Company LP
Applicant Contact:	Robert Wooten 150 North Dairy Ashford #A2036G Houston Texas, 77079 Phone: (832) 762-2568
Site Location:	See attached Location Map.
Municipality/County:	Findlay and North Fayette Townships, Allegheny County, PA

Enclosed is a Location Map, a copy of the General Information Form (GIF), a copy of the ESCGP-2 Notice of Intent (NOI) Form, and the Erosion & Sediment Control (E&SC) plan drawings completed by AECOM on behalf of the applicant. If desired, AECOM will also furnish the E&SC Narrative and detail drawings. DEP invites you to review the attached form and to comment on the accuracy of answers provided with regard to land use aspects of this project. Please be specific to DEP and focus on the relationship to local ordinances. If you wish to submit comments to DEP, you must respond within 30 days to the DEP regional office referenced in this letter. If you do not submit comments by the end of the comment period, DEP will assume that there are no substantive conflicts and proceed with the normal application review process.

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Please submit any comments concerning this project within 30 days from the date of receipt of this letter to the PADEP, Southwest Regional Office, 400 Waterfront Drive, Pittsburgh, PA 15222-4745.

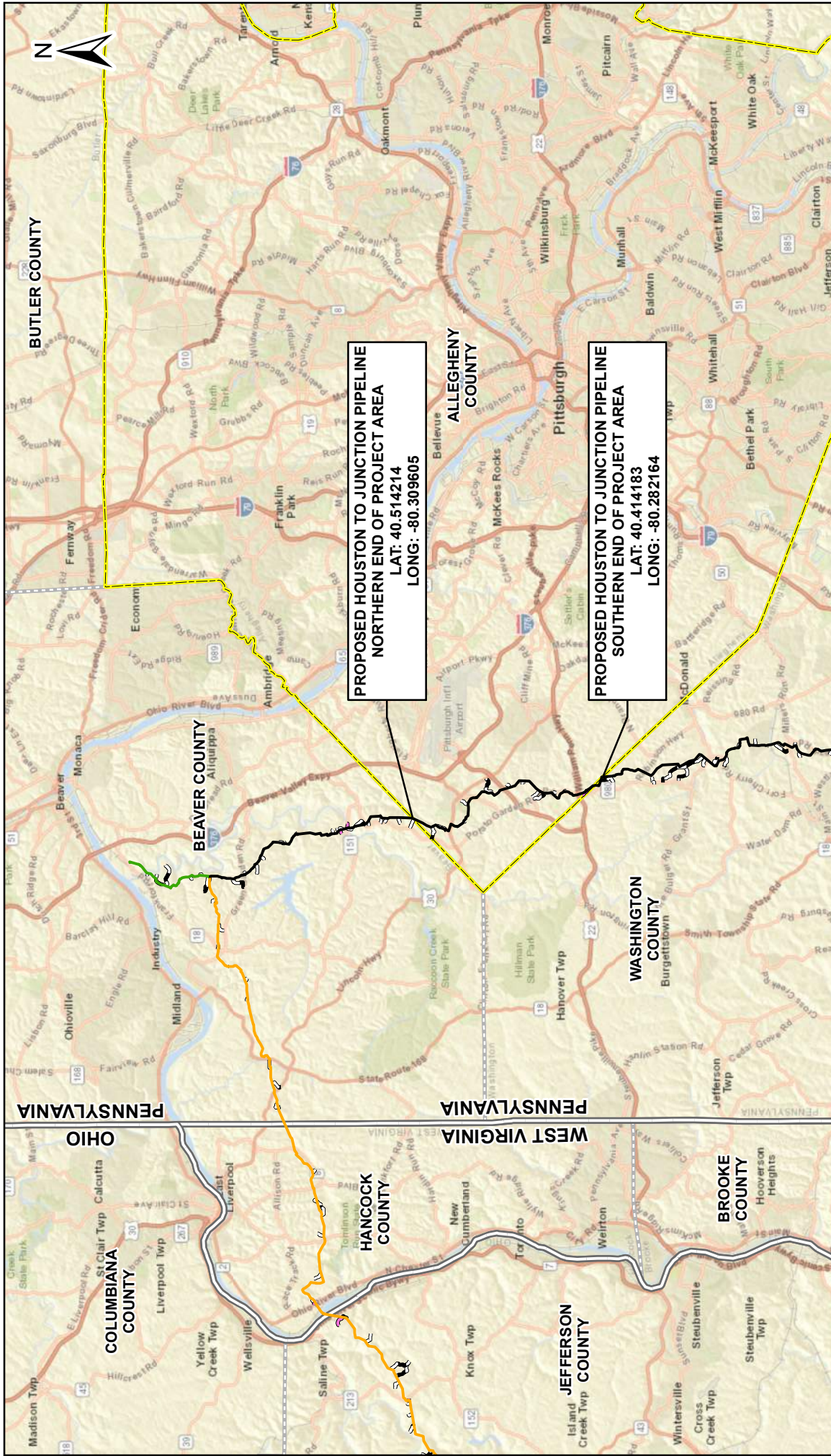
For more information about this land use review process, please contact me at 412-503-4595 or visit www.depweb.state.pa.us (Keyword: Land Use Reviews).

Sincerely,

A handwritten signature in blue ink that reads 'Natalie L. Shearer'.

Natalie L. Shearer, M.S., QEP
Natural Resources Lead
AECOM

Enclosures: Location Map, General Information Form (GIF), ESCGP-2 NOI Form, and E&SC plan drawings



**PROPOSED HOUSTON TO JUNCTION PIPELINE
NORTHERN END OF PROJECT AREA**
LAT: 40.514214
LONG: -80.309605

**PROPOSED HOUSTON TO JUNCTION PIPELINE
SOUTHERN END OF PROJECT AREA**
LAT: 40.414183
LONG: -80.282164

<p>PROJECT LOCATION</p>	<p>REFERENCE: AERIAL LAYER - SOURCES: ESRI; HERE, DELORME; USGS, INTERMAP, INCREMENT P, NRCAN, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), ESRI KOREA, ESRI (THAILAND), MAPMYINDIA, NGCC, © OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY. COORDINATE SYSTEM: NAD 1983 UTM ZONE 17N TRANSVERSE MERCATOR</p>	
	<p>LEGEND</p> <ul style="list-style-type: none"> PROPOSED PIPELINE CADIZ TO SCIO HOUSTON TO JUNCTION JUNCTION TO MONACA SCIO TO JUNCTION PERMANENT ACCESS ROAD TEMPORARY ACCESS ROAD ALLEGHENY COUNTY COUNTY BOUNDARY STATE BOUNDARY 	<p>0 2.5 5 10 Miles 1 in = 5 miles</p>
<p>FIGURE 1</p>	<p>SITE LOCATION MAP ALLEGHENY COUNTY, PENNSYLVANIA</p>	
<p>SHELL PIPELINE COMPANY LP FALCON ETHANE PIPELINE SYSTEM</p>	<p>AECOM FOSTER PLAZA 6 681 ANDERSEN DRIVE SUITE 400 PITTSBURGH, PA 15220 412-503-4700</p>	
<p>SHELL PIPELINE COMPANY LP HOUSTON, TX 77079</p>	<p>DRAWN BY: PMH DATE: 9/11/2017 APPROVED: NLS PROJECT #: 60536988</p>	