

SHELL PIPELINE COMPANY LP
FALCON ETHANE PIPELINE SYSTEM
CHARTIERS, MOUNT PLEASANT AND ROBINSON TOWNSHIPS, WASHINGTON
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
Alley	Pam		
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		(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
Washington	Chartiers and Robinson	<input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
County Name	Municipality	City	Boro Twp State
Washington	Mount Pleasant	<input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
Site Location Line 1		Site Location Line 2	
northern termini: 40.419067, -80.288216		Southern termni: 40.264214, -80.260893	
Site Location Last Line – City	State	ZIP+4	
Washington	PA	15301	
Detailed Written Directions to Site			
From I-376W take exit 64A to merge onto I-79S toward Washington. Follow for 16 miles and take exit 43 for PA-519 toward Houston/Eighty Four. Turn left onto PA-519N and follow for 0.5 mile. Turn lefton onto W. Pike Street then turn right back onto PA-519N. This will take you to the southern termni at the Houston Processing and Fractionation Facility.			
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 (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	20	16.127	80	15	36.117
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	CNTAR					
Altitude	Feet ~996 to 1,386		--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 System			
Project Description Installation of an ethane pipeline to bring product 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

5.3 REVISED TO "NO" ON JUNE 1, 2018

1300-PM-BIT0001 5/2012

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 checked="" type="checkbox"/>	Yes	<input 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 checked="" 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 checked="" 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 checked="" 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 192.47	<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 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

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: Clinton and Midway, Pennsylvania

Indicate location of project: Latitude 40.337813; Longitude -80.260033

Project type, purpose and need: To construct approximately 18 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.

Stephen Van Stone
Signature of Applicant/Owner

11/9/17
Date

Stephen Van Stone, Attorney-in-Fact
Typed / Printed Name & Title of Applicant/Owner

Robert B. Wooten 11-9-17
Signature of Witness

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.

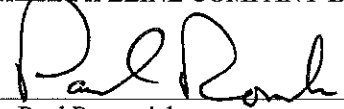
This Power of Attorney shall be in effect as of November 1, 2010, and thereafter shall continue in force and effect until revoked in writing.

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

WITNESSES:

Paul Romanick

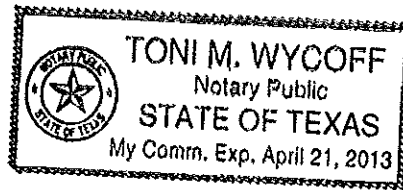
Linda L. Mesgher

ACKNOWLEDGEMENT

STATE OF TEXAS §
 §
COUNTY OF HARRIS §

This instrument was acknowledged before me on this 28th day of October, 2010 by Paul Romanick, Vice President – Tax of Shell Pipeline Company LP, a Delaware limited partnership, on behalf of said company.

Toni M. Wycoff
Notary Public



Shell Falcon Abutters - Washington County

County	Parcel ID	Landowner Name	Address	City	State	Zip
Washington	140-005-00-00-0060-03	CARTER BRADLEY D & BRENDA G	4005 MILLERS RUN RD	MCDONALD	PA	15057
Washington	140-005-00-00-0060-04	CARTER BRADLEY D & BRENDA G	4005 MILLERS RUN RD	MCDONALD	PA	15057
Washington	140-005-00-00-0060-20	CHECCA TIMOTHY J & TAMMY J	3988 MILLERS RUN RD	MCDONALD	PA	15057
Washington	140-005-00-00-0061-00	TILGER JAMES E REVOC LIVING TR	29 SOUTHVIEW RD	MCDONALD	PA	15057
Washington	170-001-00-00-0003-00	ROSATI JACK A & IRENE M	51 PLUM RUN RD	MCDONALD	PA	15057
Washington	170-002-00-00-0001-00	MONTOUR TRAIL COUNCIL		HICKORY	PA	15340
Washington	170-002-00-00-0008-00	MONTOUR TRAIL COUNCIL		HICKORY	PA	15340
Washington	170-002-00-00-0009-00	MARKWEST LIBERTY MIDSTREAM	800 WESTERN AVE	Washington	PA	15301
Washington	170-002-00-00-0010-00	SWOAGER TERESA A & CALVIN T	53 GRIFFITH LN	CANONSBURG	PA	15317
Washington	170-002-00-00-0010-02	SWOAGER TERESA A & CALVIN T	53 GRIFFITH LN	CANONSBURG	PA	15317
Washington	170-007-00-00-0026-00	PITTSBURGH INDUSTRIAL RAILROAD INC	1109 PENNSYLVANIA STATION	Pittsburgh	PA	15200
Washington	170-008-00-00-0007-00	PAXTON WILLIAM R & SUSAN M	786 WESTERN AVE	Washington	PA	15301
Washington	170-008-00-00-0010-05	BAUER FAM FARM PART, ALBERT & TIMOTHY & BETTE BAUERE	223 MEDDINGS RD	CANONSBURG	PA	15317
Washington	170-008-00-00-0011-00	NELSON VIRGINIA S & ALFRED JR	321 MEDDINGS RD	HICKORY	PA	15340
Washington	170-008-00-00-0013-00	NELSON VIRGINIA S & ALFRED JR	321 MEDDINGS RD	HICKORY	PA	15340
Washington	170-008-00-00-0014-00	NELSON VIRGINIA S & ALFRED JR	321 MEDDINGS RD	HICKORY	PA	15340
Washington	170-009-00-00-0001-00	MARKWEST LIBERTY MIDSTREAM	800 WESTERN AVE	Washington	PA	15301
Washington	170-009-00-00-0002-00	CONSOLIDATION COAL COMPANY	WESTLAND RD	WESTLAND	PA	15378
Washington	170-009-00-00-0002-02	MARKWEST LIBERTY MIDSTREAM	800 WESTERN AVE	Washington	PA	15301
Washington	170-009-00-00-0004-00	PAWLOSKY ANTHONY J & SALLY B	1084 WESTERN AVE	HICKORY	PA	15340
Washington	170-009-00-00-0005-00	ETC NORTHEAST PIPELINE LLC	WESTERN AVE	HICKORY	PA	15340
Washington	170-009-00-00-0005-02	KOTYK THOMAS C ETAL	83 ULLOM RD	HICKORY	PA	15340
Washington	170-009-00-00-0006-00	MARKWEST LIBERTY MIDSTREAM	800 WESTERN AVE	Washington	PA	15301
Washington	170-009-00-00-0006-01	WILLIAMS OHIO VALLEY MIDSTREAM LLC	929 WESTERN AVE	Washington	PA	15301
Washington	170-009-00-00-0007-00	MARKWEST LIBERTY MIDSTREAM	878 WESTERN AVE	Washington	PA	15301
Washington	170-009-00-00-0009-00	J & W PROPERTY HOLDINGS	919 WESTERN AVE	Washington	PA	15301
Washington	170-009-00-00-0010-00	WILLIAMS OHIO VALLEY MIDSTREAM LLC	929 WESTERN AVE	Washington	PA	15301
Washington	170-009-00-00-0014-00	HIROSKY EDWARD A ET AL	940 WESTERN AVE	HICKORY	PA	15340
Washington	170-009-00-00-0014-01	COLLETTI STEPHEN A & TINA R	944 WESTERN AVE	HICKORY	PA	15340
Washington	170-009-00-00-0018-00	CONSOLIDATION COAL COMPANY	WESTLAND RD	WESTLAND	PA	15378
Washington	170-009-00-00-0019-00	PENNSYLVANIA AMERICAN WATER		WESTLAND	PA	15378
Washington	170-009-00-00-0021-00	PAWLOSKY ANTHONY J & SALLY B	1084 WESTERN AVE	HICKORY	PA	15340

Shell Falcon Abutters - Washington County

County	Parcel ID	Landowner Name	Address	City	State	Zip
Washington	170-010-00-00-0010-00	KOTYK TODD J ET AL	83 ULLOM RD	HICKORY	PA	15340
Washington	170-010-00-00-0012-01	CHASTEL JACK B &, PENNY CHASTEL PHILLIPS	241 MARION DR	McMurray	PA	15317
Washington	170-010-00-00-0013-00	WASHINGTON COUNTY FIREMANS	895 WESTERN AVE	Washington	PA	15301
Washington	170-010-00-00-0014-00	WASHINGTON COUNTY FIREMANS	895 WESTERN AVE	Washington	PA	15301
Washington	170-010-00-00-0015-00	WASHINGTON COUNTY FIREMANS	895 WESTERN AVE	Washington	PA	15301
Washington	170-010-00-00-0018-00	CUMER JAY M & JEANINE M	MCCONNELLS MILLS RD	Washington	PA	15301
Washington	460-009-00-00-0007-00	KOTYK TODD J ET AL	83 ULLOM RD	HICKORY	PA	15340
Washington	460-009-00-00-0008-00	CONSOLIDATION COAL COMPANY	WESTLAND RD	WESTLAND	PA	15378
Washington	460-009-00-00-0017-00	SLUCIAK DENNIS C	47 GRUDEVICH RD	CANONSBURG	PA	15317
Washington	460-009-00-00-0025-00	MARKWEST LIBERTY MIDSTREAM	800 WESTERN AVE	Washington	PA	15301
Washington	460-009-00-00-0028-00	COWDEN ROBERT M	193 HORNHEAD DR	HICKORY	PA	15340
Washington	460-010-00-00-0002-00	ANDREWS BERNARD A &	75 HORNHEAD RD	MCDONALD	PA	15057
Washington	460-010-00-00-0002-02	ANDREWS BERNARD A &	91 HORNHEAD RD	MCDONALD	PA	15057
Washington	460-010-00-00-0003-00	ENGEL JOHN D & MARY J	51 HORNHEAD RD	MCDONALD	PA	15057
Washington	460-010-00-00-0004-00	MONTOUR TRAIL COUNCIL		HICKORY	PA	15340
Washington	460-010-00-00-0005-02	BUSHMIRE ANTHONY JOHN	103 HILLMORE LN	MCDONALD	PA	15057
Washington	460-010-00-00-0011-00	ROSATI JOHN A	51 PLUM RUN RD	MCDONALD	PA	15057
Washington	460-010-00-00-0017-04	SETHNER DOUGLAS R & KIMBERLY A	25 PLUM RUN RD	MCDONALD	PA	15057
Washington	460-010-00-00-0023-00	RANGE RESC APPALACHIA LLC	33 JOHNSTON RD	MCDONALD	PA	15057
Washington	460-010-00-00-0024-01	MULE TRACTS	92 HORNHEAD RD	MCDONALD	PA	15057
Washington	460-010-00-00-0024-02	BATTISTA PAUL C & NANETT M	28 JOHNSTON RD	MCDONALD	PA	15057
Washington	460-010-00-00-0024-03	MULE TRACTS	92 HORNHEAD RD	MCDONALD	PA	15057
Washington	460-010-00-00-0024-04	BATTISTA RALPH & BARBARA	92 HORNHEAD RD	MCDONALD	PA	15057
Washington	460-010-00-00-0024-07	MONTOUR TRAIL COUNCIL		HICKORY	PA	15340
Washington	460-010-00-00-0025-00	RUMBAUGH RICHARD & KATHLEEN	41 PLUM RUN RD	MCDONALD	PA	15057
Washington	460-010-00-00-0026-00	WILLIAMSON REBECCA R	HORNHEAD RD	MCDONALD	PA	15057
Washington	460-010-00-00-0027-01	FERRIS JOHN C & MICHELE A	173 HORNHEAD RD	HICKORY	PA	15340
Washington	460-010-00-00-0029-00	FAURE RAYMOND D JR ET AL	29 CASEY RD	MCDONALD	PA	15057
Washington	460-010-00-00-0029-02	SLATES DAVID W & DENISE T	21 CASEY RD	MCDONALD	PA	15057
Washington	460-010-00-00-0029-05	HURSH PAUL C JR & GAY A	33 CASEY RD	MC DONALD	PA	15057
Washington	460-010-00-00-0031-01	GREGOIRE PETER & RHONDA COLLINS	30 CASEY RD	MCDONALD	PA	15057
Washington	460-010-00-00-0032-00	SCHMIDT EDWARD JOHN JR	109 HORNHEAD RD	MCDONALD	PA	15057
Washington	460-012-00-00-0001-00	TEMPLETON DAVID M & SUELLEN P	164 PRIMROSE RD	MCDONALD	PA	15057

Shell Falcon Abutters - Washington County

County	Parcel ID	Landowner Name	Address	City	State	Zip
Washington	460-012-00-00-0004-00	MCCARTHY CHARLES W & BETTY	15 BROWN ST	SOUTHVIEW	PA	15361
Washington	460-012-00-00-0008-00	MCCARTHY CHARLES W & BETTY R	15 BROWN ST	SOUTHVIEW	PA	15361
Washington	460-012-00-00-0009-00	ARNOLD PAMELA A & WILLIAM K	BROWN ST	SOUTHVIEW	PA	15361
Washington	460-012-00-00-0014-00	MARKWEST LIBERTY MIDSTREAM	800 WESTERN AVE	Washington	PA	15301
Washington	460-012-00-00-0019-00	MONTOUR TRAIL COUNCIL		HICKORY	PA	15340
Washington	460-012-00-00-0021-01	SANGREGORIO KIMBERLY D & EDWAR	1479 MILLERS RUN RD	MCDONALD	PA	15057
Washington	460-012-00-00-0021-02	GEYER LEE & DIAN	1482 MILLERS RUN RD	MCDONALD	PA	15057
Washington	460-012-00-00-0028-00	BROWN RANDY LEE	267 SOUTHVIEW RD	MCDONALD	PA	15057
Washington	460-012-00-00-0030-00	WUSSICK DONALD	48 WUSSICK RD	MCDONALD	PA	15057
Washington	460-012-00-00-0030-01	WUSSICK ROBERTA L & NICK C	42 WUSSICK RD	MCDONALD	PA	15057
Washington	460-012-00-00-0030-02	WUSSICK NICK C III	44 WUSSICK RD	MCDONALD	PA	15057
Washington	460-012-00-00-0030-03	LEGG BETTY & JAMES	33 WUSSICK RD	MCDONALD	PA	15057
Washington	460-012-00-00-0033-02	LUKANSKI JOHN JR & MARCIA J	40 BAKER RD	MCDONALD	PA	15057
Washington	460-012-00-00-0033-08	ROTH DAVID W	194 SOUTHVIEW RD	MCDONALD	PA	15057
Washington	460-012-00-00-0035-01	ROTH WAYNE & PATRICIA M	184 SOUTHVIEW ROAD	MCDONALD	PA	15057
Washington	460-012-00-00-0038-01	BONGIORNI MICHAEL E & AMY	141 SOUTHVIEW RD	MCDONALD	PA	15057
Washington	460-012-00-00-0039-00	POWELL SUZANNE & MIKE S	164 SOUTHVIEW ROAD	MCDONALD	PA	15057
Washington	460-012-00-00-0040-01	TURK ROGER J & CAROLE L	168 SOUTHVIEW RD	MCDONALD	PA	15057
Washington	460-012-02-01-0001-00	BANACH FREDERICK G & PATRICIA	25 BROWN ST	Southview	PA	15361
Washington	460-013-00-00-0031-00	HERRIOTT DAVID LEE	40 HERRIOTT LN	MCDONALD	PA	15057
Washington	460-013-00-00-0031-03	BETTERS DEBRA KEHN & MARTIN J	21 HERRIOTT LN	MCDONALD	PA	15057
Washington	460-013-00-00-0031-05	MCQUILLAN SARAH S	10 HERRIOTT LN	MCDONALD	PA	15057
Washington	460-013-00-00-0032-01	DAGRAVA JACOB S	34 CASEY RD	MCDONALD	PA	15057
Washington	460-013-00-00-0032-05	PANDOLFO DOMINICK & ANNE	70 CASEY RD	MCDONALD	PA	15057
Washington	460-018-00-00-0002-12	ZENITH MANAGEMENT LLC	86 BAKER RD	MCDONALD	PA	15057
Washington	460-019-00-00-0016-02	CHIARELLI FAMILY REV LIV TRUST	28 CHIRELLI LN	MCDONALD	PA	15057
Washington	460-019-00-00-0019-00	MT PLEASANT-EXEMPT PROPERTY, FORT CHERRY SCHOOL BLDG	FORT CHERRY RD	MCDONALD	PA	15057
Washington	460-019-00-00-0019-01	FORT CHERRY GOLF CLUB INC	80 FORT CHERRY RD	MCDONALD	PA	15057
Washington	460-020-00-00-0016-00	DEMNYAN LORI	8651 NOBLESTOWN RD	MCDONALD	PA	15057
Washington	460-020-00-00-0018-02	RAINERI ROBERT & ROBERT A JR	11 FORT CHERRY ROAD	MCDONALD	PA	15057
Washington	460-020-00-00-0021-00	COMMONWEALTH PA PENNDOT	8646 NOBLESTOWN RD	MCDONALD	PA	15057
Washington	460-020-00-00-0035-00	MONTOUR TRAIL COUNCIL		HICKORY	PA	15340
Washington	460-020-00-00-0056-05	COOK WILLIAM J & KIMBERLY ANN	71 JACOBS RD	MCDONALD	PA	15057

Shell Falcon Abutters - Washington County

County	Parcel ID	Landowner Name	Address	City	State	Zip
Washington	460-020-00-00-0057-00	FEDINETZ ROBERT L	25 FORT CHERRY RD	MCDONALD	PA	15057
Washington	460-020-00-00-0057-01	ROCHER LOUIS A & MARGARET J	23 FORT CHERRY ROAD	MCDONALD	PA	15057
Washington	460-020-00-00-0057-02	NIX BRIAN J	21 FT CHERRY RD	MCDONALD	PA	15057
Washington	460-020-01-00-0005-00	LUGAILA JOHN M	55 BELGIUM HOLLOW RD	MCDONALD	PA	15057
Washington	460-020-01-00-0018-00	KASTEN EDWARD C JR & MARY C	BELGIUM HOLLOW RD	MCDONALD	PA	15057
Washington	460-020-01-00-0023-00	MARKWEST LIBERTY MIDSTREAM	800 WESTERN AVE	Washington	PA	15301
Washington	460-020-01-00-0030-00	COMMONWEALTH PA PENNDOT	8664 NOBLESTOWN RD	MCDONALD	PA	15057
Washington	460-020-01-00-0031-00	THORSEN CHARLOTTE W & MATTHEW E	8682 NOBLESTOWN RD	MCDONALD	PA	15057
Washington	460-020-01-00-0032-00	THORSEN CHARLOTTE W & MATTHEW E	8682 NOBLESTOWN RD	MCDONALD	PA	15057
Washington	460-020-03-00-0005-00	MERIAGE STANLEY N	31 MERIAGE ST	MCDONALD	PA	15057
Washington	460-020-03-00-0006-00	KLINSKY ANN MARIE	29 MERIAGE S	MCDONALD	PA	15057
Washington	460-020-03-00-0007-00	GEMO JANE REVOCABLE TRUST	20 FORT CHERRY RD	MCDONALD	PA	15057
Washington	460-020-03-00-0016-00	DEJOHN DOMINIC F	12 FORT CHERRY RD	MCDONALD	PA	15057
Washington	460-020-03-00-0017-00	FEDINETZ TROY	40 BELGIUM HOLLOW RD	MCDONALD	PA	15057
Washington	460-020-05-00-0001-00	LIBERT LON A	50 FORT CHERRY RD	MCDONALD	PA	15057
Washington	460-020-05-00-0001-01	LIBERT EDITH R	52 FORT CHERRY RD	MCDONALD	PA	15057
Washington	460-020-05-00-0002-00	FARROW BENJAMIN J & ERIN P WILLIAMS	54 FORT CHERRY RD	MCDONALD	PA	15057
Washington	460-020-05-00-0002-01	AMMON EDWARD C & PAULETTE R RLT	56 FORT CHERRY RD	MCDONALD	PA	15057
Washington	460-020-05-00-0003-00	THOMAS EDWARD J III & BONNIE	1 PRIMROSE RD	MCDONALD	PA	15057
Washington	460-020-05-00-0004-00	SHIREY KERRI MARIE & JASON D	5 PRIMROSE RD	MCDONALD	PA	15057
Washington	460-020-05-00-0005-00	SHERWIN GREGORY L & SUSAN J	7 PRIMROSE RD	MCDONALD	PA	15057
Washington	460-020-05-00-0006-00	KRESS FLOYD W	7 KRESS LN	MCDONALD	PA	15057
Washington	460-020-05-00-0006-03	SHERWIN GREGORY L & SUSAN J	10 PRIMROSE RD	MCDONALD	PA	15057
Washington	460-020-05-00-0009-00	KENDALL LORETTA R & LORETTA BARBARA	PRIMROSE RD	MCDONALD	PA	15057
Washington	460-020-05-00-0012-00	FEHL KENNETH & REBECCA A	11 MERIAGE ST	MCDONALD	PA	15057
Washington	460-020-05-00-0014-01	WORSTELL LAWRENCE JR & EILEEN	4 KRESS LN	MCDONALD	PA	15057
Washington	460-020-05-00-0015-00	WORSTELL LARRY	OFF OF KRESS LN	MCDONALD	PA	15057
Washington	460-021-00-00-0001-00	FEDINETZ ROBERT L	25 FORT CHERRY RD	MCDONALD	PA	15057
Washington	460-021-00-00-0004-04	THOMAS EDWARD J III & GERALD A &	26 TOP ST	MCDONALD	PA	15057
Washington	460-021-00-00-0006-00	WEINMAN MICHAEL P & KARA L	97 PRIMROSE RD	MCDONALD	PA	15057
Washington	460-021-00-00-0006-01	DELESTINE HAROLD A & CHRISTINE	93 PRIMROSE RD	MCDONALD	PA	15057
Washington	460-021-00-00-0008-01	MT PLEASANT EXEMPT	110 FORT CHERRY RD	MCDONALD	PA	15057
Washington	460-021-00-00-0010-00	MONTOUR TRAIL COUNCIL		HICKORY	PA	15340

Shell Falcon Abutters - Washington County

County	Parcel ID	Landowner Name	Address	City	State	Zip
Washington	460-021-00-00-0012-01	MORAN JOHN L III & K M KEENAN	55 PRIMROSE RD	MCDONALD	PA	15057
Washington	460-021-00-00-0016-01	KRAMER JOHN W	64 PRIMROSE RD	MCDONALD	PA	15057
Washington	460-021-00-00-0019-00	MERIGO DOROTHY MAY	47 PRIMROSE RD	MCDONALD	PA	15057
Washington	460-021-00-00-0021-00	CW & BROS	220 E PIKE ST	Houston	PA	15342
Washington	460-021-00-00-0023-00	SCHULTZ BERNARD L & KAY L	220 GALATI RD	MCDONALD	PA	15057
Washington	550-012-00-00-0001-00	CHAMPION PROCESSING INC	ROBINSON HWY		PA	
Washington	550-012-00-00-0005-00	MONTOUR TRAIL COUNCIL		HICKORY	PA	15340
Washington	550-012-00-00-0007-01	ALOE FAMILY 1994 LDT PART	BEAGLE CLUB RD	MCDONALD	PA	15057
Washington	550-012-00-00-0007-02	PERSHINA VICTOR 11 & DIANE J	1100 BEAGLE CLUB RD	MCDONALD	PA	15057
Washington	550-012-00-00-0007-03	GEDMAN BARBARA	770 BEAGLE CLUB RD	MCDONALD	PA	15057
Washington	550-015-00-00-0001-03	FROBOUCK STEPHEN C & REANETTE	BEAGLE CLUB RD	MCDONALD	PA	15057
Washington	550-015-00-00-0001-05	FELLNER JOHN J	857 BEAGLE CLUB RD	MCDONALD	PA	15057
Washington	550-015-00-00-0001-06	FERGUSON ROBB A & GLORIA J	855 BEAGLE CLUB RD	MCDONALD	PA	15057
Washington	550-015-00-00-0001-07	LAVSA RICHARD A	738 BEAGLE CLUB RD	MCDONALD	PA	15057
Washington	550-015-00-00-0001-10	KOZLOWSKI GREGORY A & PATRICIA	44 SHELTYE DR	MCDONALD	PA	15057
Washington	550-015-00-00-0002-00	LUCCHINO GEORGE M & ANNA K	475 BEAGLE CLUB RD	MCDONALD	PA	15057
Washington	550-015-00-00-0003-01	LUCCHINO GEORGE M & ANNA K	399 BEAGLE CLUB RD	MCDONALD	PA	15057
Washington	550-015-00-00-0004-01	FINE PATRICIA M &, CLYDE E MUNGER	3103 DONALDSON RD	MCDONALD	PA	15057
Washington	550-016-00-00-0024-00	MARKWEST LIBERTY MIDSTREAM	800 WESTERN AVE	Washington	PA	15301
Washington	550-016-00-00-0026-00	PENN R R	PENN STATION	Pittsburgh	PA	15200
Washington	550-016-00-00-0028-00	ZALAZNIK PAULA ANN & CYNTHIA	2205 QUICKSILVER RD	MCDONALD	PA	15057
Washington	550-016-00-00-0039-00	MARKWEST LIBERTY MIDSTREAM	800 WESTERN AVE	Washington	PA	15301
Washington	550-016-00-00-0042-00	NORTH STAR COAL CO		MCDONALD	PA	15057
Washington	550-017-00-00-0001-01	HACKERS INC	2000 QUICKSILVER RD	MIDWAY	PA	15060
Washington	550-017-00-00-0002-00	IMPERIAL LAND CORP	1009 BEAVER GRADE RD STE	Moon Township	PA	15108
Washington	550-017-00-00-0005-00	ANDERSON LEON &, PAMELA RICHARDSON ANDERSON	1462 ROBINSON HWY	MCDONALD	PA	15057
Washington	550-017-00-00-0006-00	MACHEK DANIEL	402 ROBINSON HIWY	MCDONALD	PA	15057
Washington	550-017-00-00-0006-01	MACHEK DANIEL	402 ROBINSON HIWY	MCDONALD	PA	15057
Washington	550-017-00-00-0009-00	COLUMBUS MICHAEL L & JOAN C	1252 ROBINSON HWY	MCDONALD	PA	15057
Washington	550-017-00-00-0010-00	MCKAY JOHN R & FRANCIS A	1230 ROBINSON HWY	MCDONALD	PA	15057
Washington	550-017-00-00-0010-01	ALLEN RONALD E JR & PENELOPE	1228 ROBINSON HWY	MCDONALD	PA	15057
Washington	550-017-00-00-0022-00	MEYER RUTH & ROBERT		MCDONALD	PA	15057

Shell Falcon Abutters - Washington County

County	Parcel ID	Landowner Name	Address	City	State	Zip
Washington	550-017-00-00-0024-00	BOGAR WILLIAM SR & TODD JOSEPH & WILLIAM BOGAR JR	DONALDSON RD	MCDONALD	PA	15057
Washington	550-017-00-00-0025-04	BRACKMAN BOYCE & SHIRLEY M	9 FIELDCREST DR	MCDONALD	PA	15057
Washington	550-017-00-00-0025-09	SARNOWSKI CHRISTOPHER J &	FIELDCREST DR	MCDONALD	PA	15057
Washington	550-017-02-00-0001-00	MONTOUR TRAIL COUNCIL		HICKORY	PA	15340
Washington	550-017-03-00-0008-00	MACHEK DANIEL	402 ROBINSON HIWY	MCDONALD	PA	15057
Washington	550-018-00-00-0001-00	MARKWEST LIBERTY MIDSTREAM	800 WESTERN AVE	Washington	PA	15301
Washington	550-018-00-00-0001-01	MCDONALD SPORTSMENS ASSN	8699 COOKS RD	MCDONALD	PA	15057
Washington	550-018-00-00-0002-00	IMPERIAL LAND CORP	1009 BEAVER GRADE RD STE	Moon Township	PA	15108
Washington	550-018-00-00-0003-00	MONTOUR TRAIL COUNCIL		HICKORY	PA	15340
Washington	550-021-00-00-0001-00	BOZIC LEE	PO BOX 129	Midway	PA	15060
Washington	550-021-00-00-0002-00	IMPERIAL LAND CORP	1009 BEAVER GRADE RD STE	Moon Township	PA	15108
Washington	550-021-00-00-0005-00	THOMAS JANET & LARRY	62 TAYLOR RD	MCDONALD	PA	15057
Washington	550-021-00-00-0006-00	MIXTER MICHAEL E & DENISE M ET AL	78 TAYLOR RD	MCDONALD	PA	15057
Washington	550-021-00-00-0007-00	JAMISON JOHN R & LYNN S RLT	90 TAYLOR RD	MCDONALD	PA	15057
Washington	550-021-00-00-0008-00	BORNER THOMAS E	102 TAYLOR RD	MCDONALD	PA	15057
Washington	550-021-00-00-0009-00	IMPERIAL LAND CORP	1009 BEAVER GRADE RD STE	Moon Township	PA	15108
Washington	550-021-00-00-0013-00	ZAK MARTA L & DANIEL A MACHEK	42 STATION ST	Bulger	PA	15019
Washington	550-021-00-00-0014-00	FEDINETZ TROY	40 BELGIUM HOLLOW RD	MCDONALD	PA	15057
Washington	550-021-00-00-0015-01	ZIRWAS BETTY J & JOHN J	8620 NOBLESTOWN RD	MCDONALD	PA	15057
Washington	550-021-00-00-0015-02	TORTORICE ARTHUR P & KELLIE	8606 NOBLESTOWN RD	MCDONALD	PA	15057
Washington	550-021-00-00-0016-00	MCDONALD SPORTSMEN ASSN INC	8699 COOKS RD	MCDONALD	PA	15057
Washington	550-021-00-00-0017-00	VEGELER WILLIAM ET AL	209 5TH ST	MCDONALD	PA	15057
Washington	550-021-00-00-0017-02	ALOE FAMILY 1994 LDT PART	BEAGLE CLUB RD	MCDONALD	PA	15057
Washington	550-021-00-00-0022-00	VINCENTI DONALD J & SHIRLEY M	8600 COOKS RD	MCDONALD	PA	15057

**TABLE 1
AQUATIC RESOURCE IMPACT TABLE
FALCON ETHANE PIPELINE SYSTEM
WASHINGTON 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	PADEP 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	40.263520	-80.264046	0.2	W-PA-160407-JLK-003	-	Wetland	PEM	OTHER	0.00	-	-	-	0.00	0.00	0.00	N/A - LOD shifted	N/A	1 of 39	SS001
2	40.263438	-80.264434	0.2	W-PA-160407-JLK-002	-	Wetland	PEM	OTHER	0.00	-	-	-	0.00	317.84	317.84	Temporary Workspace: A small portion of this wetland is located in TWS. It is located within the travel area and may be crossed with vehicles during construction. If it needs to be crossed a timber mat will be placed over it to allow construction equipment to cross.	GP-5, GP-8	1 of 39	SS002
3	40.263285	-80.266208	0.4	S-PA-160406-MRK-002 Crossing #1	Westland Run	Stream	Perennial	WWF	18.00	18.00	54.79	0.00	986.20	0.00	986.20	Pipeline: This stream is directly crossed the pipeline route. 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	1 of 39	SS004
						Floodway			-	-	-	161.16	-	-					
4	40.263964	-80.266794	0.4	W-PA-160406-MRK-003	-	Wetland	PUB	OTHER	0.00	-	-	-	61.71	248.09	309.80	Permanent Right-of-Way: This wetland is located within the PROW. It is located within the travel area and may be crossed with vehicles during construction. If it needs to be crossed a timber mat will be placed over it to allow construction equipment to cross. Following construction, the wetland will be restored to original contours. The wetland within the PROW will be maintained in perpetuity as an herbaceous wetland.	GP-5, GP-8	1 of 39	SS005
5	40.264281	-80.266816	0.4	W-PA-160406-MRK-004	-	Wetland	PUB	OTHER	32.92	-	-	-	726.26	0.00	726.26	Pipeline: This wetland is directly crossed by the pipeline route. A trench will be dug to place the pipe a minimum of four feet below the wetland and trench plugs installed. The topsoil will be segregated during construction. Following construction, segregated topsoil will be replaced and the wetland will be restored to original contours. The wetland within the PROW will be maintained in perpetuity as an herbaceous wetland.	GP-5, GP-8	1 of 39	SS006

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	PADEP 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				
6	40.265472	-80.266652	0.5	W-PA-160406-MRK-006	-	Wetland	PEM	OTHER	31.97	-	-	-	2352.18	0.00	2352.18	Pipeline: This wetland is directly crossed by the pipeline route. A trench will be dug to place the pipe a minimum of four feet below the wetland and trench plugs installed. The topsoil will be segregated during construction. This wetland is also located within the travel area and may be crossed with vehicles during construction. If it needs to be crossed a timber mat will be placed over it to allow construction equipment to cross. Following construction, segregated topsoil will be replaced and the wetland will be restored to original contours. The wetland within the PROW will be maintained in perpetuity as an herbaceous wetland.	GP-5, GP-8	1&2 of 39	SS007
7	40.267136	-80.267000	0.7	W-PA-170112-MRK-003	-	Wetland	PEM	OTHER	0.00	-	-	-	194.27	312.62	506.89	Permanent Right-of-Way: This wetland is located within the PROW. It is located within the travel area and may be crossed with vehicles during construction. If it needs to be crossed a timber mat will be placed over it to allow construction equipment to cross. Following construction, the wetland will be restored to original contours. The wetland within the PROW will be maintained in perpetuity as an herbaceous wetland.	GP-5, GP-8	2 of 39	SS008
8	40.268140	-80.267617	0.7	W-PA-170112-MRK-002	-	Wetland	PEM	OTHER	0.00	-	-	-	0.00	0.00	0.00	N/A - LOD shifted	N/A	2 of 39	SS009
9	40.272129	-80.269119	1.1	S-PA-160406-MRK-002 Crossing #2	Westland Run	Stream	Perennial	WWF	18.00	18.00	50.17	52.67	902.99	948.15	1851.14	Temporary Workspace: This wetland is located in TWS. It is located adjacent to the travel area; however, it may be crossed with vehicles during construction. If it needs to be crossed a timber mat will be placed over it to allow construction equipment to cross.	GP-5, GP-8	3 of 39	SS010
						Floodway		-	133.99	-	-	-	6700.16	1334.47					
	40.272398	-80.269054		W-PA-160406-MRK-001	-	Wetland	PSS	OTHER	0.00	-	-	-	0.00	0.00	0.00	N/A - LOD shifted			
10	40.272129	-80.268682	1.1	W-PA-160406-MRK-002	-	Wetland	PEM	OTHER	0.00	-	-	-	0.00	0.00	0.00	N/A - LOD shifted	N/A	3 of 39	SS011
11	40.273690	-80.264996	1.3	S-PA-160229-MRK-001	UNT to Westland Run	Stream	Ephemeral	WWF	4.00	4.00	89.08	0.00	356.34	0.00	356.34	Pipeline: This stream is directly crossed the pipeline route. 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	3 of 39	SS012
						Floodway		-	177.75	-	-	-	8697.42	301.29					
		40.273777	-80.264403		S-PA-160229-MRK-002		Floodway	Intermittent	-	9.73	-	-	-	3482.32	0.00		Pipeline: The upland floodway of this stream is directly crossed the pipeline route. Following construction, the upland floodway will be restored to its original contours.		

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	PADEP 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					
12	40.277933	-80.260251	1.8	S-PA-160229-MRK-003	UNT to Westland Run	Stream	Ephemeral	WWF	3.50	3.50	27.75	56.33	97.14	197.15	294.29	Pipeline: This stream is directly crossed the pipeline route. 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	4 of 39	SS013
						Floodway	-	-	-	-	2915.96	5792.25							
13	40.279413	-80.260296	1.9	S-PA-160229-MRK-004	UNT to Westland Run	Stream	Perennial	WWF	5.00	5.00	25.51	55.12	127.56	275.58	403.14	Pipeline: This stream is directly crossed the pipeline route. 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 39	SS014
						Floodway	-	-	-	-	2722.97	5776.57							
14	40.286932	-80.260162	2.4	S-PA-160301-MRK-001	UNT to Westland Run	Stream	Ephemeral	WWF	3.00	3.00	56.88	27.85	85.95	168.28	254.23	Pipeline: This stream is directly crossed the pipeline route. 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	6 of 39	SS015
						Floodway	-	-	-	-	2979.66	5892.94							
15	40.287466	-80.260180	2.4	S-PA-160301-MRK-002	UNT to Westland Run	Stream	Ephemeral	WWF	1.75	1.75	45.91	0.00	43.99	35.17	79.16	Pipeline: This stream is directly crossed the pipeline route. 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	6&7 of 39	SS016
						Floodway	-	-	-	-	3211.39	5445.58							

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	PADEP 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					
16	40.290992	-80.262263	2.7	S-PA-160301-MRK-003	UNT to Westland Run	Stream	Perennial	WWF	4.00	4.00	66.05	42.76	264.20	171.06	435.25	Pipeline: This stream is directly crossed the pipeline route. 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	7 of 39	SS017
						Floodway													
17	40.294567	-80.265001	3.0	S-PA-151026-MRK-002	UNT to Westland Run	Floodway	Perennial	-	67.56	-	-	-	1520.77	901.61	NA	Pipeline: The floodway of this stream is directly crossed the pipeline route. Following construction, the floodway will be restored to its original contours.	GP-5, GP-8	8 of 39	SS018
18	40.303347	-80.265344	3.7	S-PA-151026-MRK-001	UNT to Westland Run	Stream	Perennial	WWF	12.00	4.00	58.06	0.00	12.75	0.00	0.00	HDD: These resources will be crossed via HDD HOU-01. The pipe will be approximately 33 feet below stream S-PA-151026-MRK-001 and approximately 36 feet below stream S-PA-160302-MRK-003. There will be no above-ground disturbance.	GP-5	10 of 39	SS019
						Floodway													
	40.303418	-80.265459		S-PA-160302-MRK-003		Stream	Intermittent	WWF	2.50	2.50	77.74	0.00	2.66	0.00					
						Floodway													
19	40.304537	-80.267157	3.8	S-PA-160302-MRK-003	UNT to Westland Run	Stream	Intermittent	WWF	0.00	2.50	13.28	0.00	2.66	0.00	0.00	HDD: This resource will be crossed via HDD HOU-01. The pipe will be approximately 64 feet below stream. There will be no above-ground disturbance.	GP-5	10 of 39	SS020
						Floodway													
20	40.310077	-80.267259	4.2	S-PA-151029-MRK-003	UNT to Millers Run	Stream	Intermittent	WWF	6.50	6.50	79.51	25.25	516.81	164.15	680.96	Pipeline: This stream is directly crossed the pipeline route. 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	GP-5, GP-8	12 of 39	SS021
						Floodway													
	40.310265	-80.267371		S-PA-151029-MRK-004		Floodway	Ephemeral	-	0.00	-	-	0.00	294.36	NA					
21	40.312527	-80.263192	4.5	S-PA-151029-MRK-002	UNT to Millers Run	Stream	Perennial	WWF	4.00	4.00	63.23	29.78	252.90	119.11	372.01	Pipeline: These resources are directly crossed the pipeline route. 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. In the wetland, 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, the segregated topsoil will be replaced and both the stream and wetland will be	GP-5, GP-8	12 of 39	SS022
						Floodway													

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	PADEP 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				
				W-PA-151029-MRK-001	-	Wetland	PEM	OTHER	56.84	-	-	-	2879.74	1328.91	4208.65	restored to original contours. Additionally, a 10-ft-wide timber mat will be placed in the travel area across the stream and wetland to allow for construction equipment crossing. The wetland within the PROW will be maintained in perpetuity as an herbaceous wetland.			
22	40.318254	-80.260969	5.0	S-PA-161205-CBA-002	UNT to Millers Run	Stream	Intermittent	WWF	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A - LOD shifted	GP-5, GP-8	13&14 of 39	SS023
						Floodway		-	45.50	-	-	0.00	138.03	0.00	Pipeline: These resources are directly crossed the pipeline route. 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. In the wetland, 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, the segregated topsoil will be replaced and the stream, wetland, and upland floodway will be restored to original contours. Additionally, a 10-ft-wide timber mat will be placed in the travel area across the stream, wetland, and upland floodway to allow for construction equipment crossing. The wetland within the PROW will be maintained in perpetuity as an herbaceous wetland.				
	W-PA-151210-MRK-001	-		Wetland	PEM	OTHER	80.94	-	-	397.42	343.76	741.18							
	40.318425	-80.260911		S-PA-151029-MRK-001	UNT to Millers Run	Stream	Perennial	WWF	3.00	3.00	51.69	27.06	155.07	81.19	236.26				
Floodway	-	106.61	-	-	5323.86	2782.59													
23	40.326644	-80.261331	5.7	S-PA-151210-MRK-001	Millers Run	Stream	Perennial	WWF	18.00	18.00	37.50	0.00	19.13	0.00	0.00	HDD: This resource will be crossed via HDD HOU-02. The pipe will be approximately 35 feet below stream. There will be no above-ground disturbance.	GP-5	15&16 of 39	SS024
						Floodway		-	162.15	-	-	172.28	0.00						
24	40.333045	-80.261723	6.1	S-PA-151215-MRK-004	UNT to Millers Run	Stream	Intermittent	WWF	6.00	2.00	128.98	0.00	257.96	0.00	257.96	Pipeline: This stream is directly crossed the pipeline route. 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	17 of 39	SS025
						Floodway		-	244.42	-	-	11886.36	0.00						

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	PADEP 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				
25	40.336384	-80.261438	6.4	W-PA-151215-MRK-003	-	Wetland	PEM	OTHER	0.00	-	-	-	356.07	0.00	356.07	Permanent Right-of-Way: This wetland is located within the PROW. It is located within the travel area and may be crossed with vehicles during construction. If it needs to be crossed a timber mat will be placed over it to allow construction equipment to cross. Following construction, the wetland will be restored to original contours. The wetland within the PROW will be maintained in perpetuity as an herbaceous wetland.	GP-5, GP-8	18 of 39	SS026
26	40.338076	-80.258966	6.6	S-PA-170214-CBA-001	UNT to Millers Run	Stream	Ephemeral	WWF	0.00	4.20	148.32	0.00	622.92	0.00	622.92	Permanent Right-of-Way: This stream is located within the PROW. It is located within the travel area and may be crossed with vehicles during construction. If it needs to be crossed a timber mat will be placed over it to allow construction equipment to cross. Following construction, the stream will be restored to original contours.	GP-5, GP-8	18 of 39	SS027
						Floodway		-	97.62	-	-	4875.91	808.42	1404.99	Pipeline: These resources are directly crossed the pipeline route. 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.				
				Stream		Perennial	WWF	12.00	12.00	68.23	48.85	818.76	586.22						
				Floodway			-	147.27	-	-	7155.31	4886.23							
27	40.340839	-80.257106	6.9	W-PA-170214-CBA-003	-	Wetland	PEM	OTHER	11.49	-	-	-	505.80	0.00	505.80	Pipeline: This wetland is directly crossed by the pipeline route. A trench will be dug to place the pipe a minimum of four feet below the wetland and trench plugs installed. The topsoil will be segregated during construction. This wetland is also located within the travel area and may be crossed with vehicles during construction. If it needs to be crossed a timber mat will be placed over it to allow construction equipment to cross. Following construction, segregated topsoil will be replaced and the wetland will be restored to original contours. The wetland within the PROW will be maintained in perpetuity as an herbaceous wetland.	GP-5, GP-8	19 of 39	SS028

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	PADEP 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	40.342285	-80.259924	7.1	S-PA-170214-CBA-002	UNT to Millers Run	Stream	Intermittent	WWF	9.50	9.50	58.51	166.34	555.87	1580.22	2136.09	Pipeline: This stream is directly crossed the pipeline route. 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	19 of 39	SS029
						Floodway		-	128.17	-	-	-	4289.57	16658.28					
29	40.342281	-80.261870	7.2	W-PA-170413-RCL-001		Wetland	PEM	OTHER	220.58	-	-	-	9646.60	9463.18	19109.78	Pipeline: This wetland is directly crossed by the pipeline route. A trench will be dug to place the pipe a minimum of four feet below the wetland and trench plugs installed. The topsoil will be segregated during construction. This wetland is also located within the travel area and may be crossed with vehicles during construction. If it needs to be crossed a timber mat will be placed over it to allow construction equipment to cross. Following construction, segregated topsoil will be replaced and the wetland will be restored to original contours. The wetland within the PROW will be maintained in perpetuity as an herbaceous wetland.	GP-5, GP-8	19 of 39	SS030/SS031
	40.342861	-80.262258	7.3	S-PA-160404-CBA-001	UNT to Millers Run	Stream	Intermittent	WWF	2.50	2.50	184.30	0.00	460.75	0.00	460.75				

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	PADEP Permit Type	Plan View Page	Site Specific # (Req H)
													Area within Permanent Right-of-Way (ft) ⁴	Area within Temporary Workspace (ft) ⁴	Area within ROW (ft) ⁴				
	40.343038	-80.262304				Floodway		-	325.54	-	-	-	14717.29	6348.05		Pipeline: This upland floodway is directly crossed the pipeline route. Following construction, the upland floodway will be restored to its original contours.			
						Stream		WWF	2.50	2.50	0.00	0.00	0.00	0.00	0.00	HOU-TAR-10; Existing Culvert: This stream and upland floodway will be crossed by access road HOU-TAR-10 utilizing an existing culvert. There will be no impact.			
						Floodway		-	297.15	-	-	-	0.00	0.00					
30	40.342808	-80.263032	7.3	S-PA-151208-MRK-003	UNT to Millers Run	Stream	Perennial	WWF	0.00	6.00	0.00	137.26	0.00	823.54	823.54	Temporary Workspace: This stream is located in TWS. It is located within the travel area and may be crossed with vehicles during construction. If it needs to be crossed a timber mat will be placed over it to allow construction equipment to cross.	GP-5, GP-8	19 of 39	SS032
						Floodway		-	51.99	-	-	-	2950.56	1884.30		Pipeline: This upland floodway is directly crossed the pipeline route. Following construction, the upland floodway will be restored to its original contours.			
						W-PA-170413-RCL-005		-	Wetland	PSS	OTHER	0.00	-	-	-	0.00			
31	40.346983	-80.263997	7.6	W-PA-170215-CBA-002	-	Wetland	PEM	OTHER	22.23	-	-	-	1098.09	0.00	1098.09	Pipeline: This wetland is directly crossed by the pipeline route. A trench will be dug to place the pipe a minimum of four feet below the wetland and trench plugs installed. The topsoil will be segregated during construction. This wetland is also located within the travel area and may be crossed with vehicles during construction. If it needs to be crossed a timber mat will be placed over it to allow construction equipment to cross. Following construction, segregated topsoil will be replaced and the wetland will be restored to original contours. The wetland within the PROW will be maintained in perpetuity as an herbaceous wetland.	GP-5, GP-8	20 of 39	SS033
	40.348968	-80.265706		W-PA-170214-CBA-005 Crossing #1	-	Wetland	PEM	OTHER	45.97	-	-	-	2217.18	269.90	2487.08	Pipeline: This wetland is directly crossed by the pipeline route. A trench will be dug to place the pipe a minimum of four feet below the wetland and trench plugs installed. The topsoil will be segregated during construction. This wetland is also located within the travel area and may be crossed with vehicles during construction. If it needs to be crossed a timber mat will be placed over it to allow construction equipment to cross. Following construction, segregated topsoil will be replaced and the wetland will be restored to original contours. The wetland within the PROW will be maintained in perpetuity as an herbaceous wetland.			

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	PADEP 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				
32	40.349083	-80.265752	7.8	S-PA-170214-CBA-006	UNT to Robinson Run	Stream	Intermittent	WWF	0.00	4.44	52.46	0.00	232.92	0.00	232.92	Permanent Right-of-Way: This stream is located within the PROW. It is located within the travel area and may be crossed with vehicles during construction. If it needs to be crossed a timber mat will be placed over it to allow construction equipment to cross. Following construction, the stream will be restored to original contours.	GP-5, GP-8	21 of 39	SS034
						Floodway	-	-	33.26	-	-	-	1573.34	175.47					
	40.349089	-80.265863		S-PA-170214-CBA-005		Stream	Intermittent	WWF	5.50	5.50	53.67	4.86	295.21	26.71	321.92				
						Floodway	-	-	113.94	-	-	5636.44	4604.12						
40.349175	-80.265951	W-PA-170214-CBA-005 Crossing #2	-	Wetland	PFO	OTHER	41.14	-	-	-	2160.77	67.35	2228.12	Temporary Workspace: The upland floodway of this stream is located in TWS. Following construction, the upland floodway will be restored to its original contours.	GP-5, GP-8	21 of 39	SS035		

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	PADEP 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				
34	40.351660	-80.271324	8.2	W-PA-151208-MRK-006	-	Wetland	PEM	OTHER	48.72	-	-	-	2829.11	1579.82	4408.93	Pipeline: These resources are directly crossed the pipeline route. 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. In the wetland, 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, the segregated topsoil will be replaced and the stream, wetland, and upland floodway will be restored to original contours. Additionally, a 10-ft-wide timber mat will be placed in the travel area across the stream, wetland, and upland floodway to allow for construction equipment crossing. The wetland within the PROW will be maintained in perpetuity as an herbaceous wetland.	GP-5, GP-8	21 of 39	SS036
				S-PA-151109-MRK-003	UNT to Robinson Run	Stream	Perennial	WWF	6.00	6.00	51.04	52.92	306.25	317.49	623.75				
						Floodway	-	-	108.08	-	-	5454.93	4530.42						
35	40.359617	-80.271083	8.9	S-PA-151012-MRK-001	Robinson Run	Stream	Perennial	WWF	9.50	9.50	56.14	0.00	10.09	0.00	0.00	HDD: This resource will be crossed via HDD HOU-03. The pipe will be approximately 40 feet below stream. There will be no above-ground disturbance.	GP-5	23 of 39	SS037
						Floodway		-	-	247.96	-	-	263.46	0.00					
36	40.360531	-80.270061	9.0	W-PA-151012-MRK-002	-	Wetland	PEM	OTHER	65.76	-	-	-	3287.81	0.00	3287.81	Pipeline: This wetland is directly crossed by the pipeline route. A trench will be dug to place the pipe a minimum of four feet below the wetland and trench plugs installed. The topsoil will be segregated during construction. This wetland is also located within the travel area and may be crossed with vehicles during construction. If it needs to be crossed a timber mat will be placed over it to allow construction equipment to cross. Following construction, segregated topsoil will be replaced and the wetland will be restored to original contours. The wetland within the PROW will be maintained in perpetuity as an herbaceous wetland.	GP-5, GP-8	23&24 of 39	SS038

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	PADEP 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				
37	40.368311	-80.271902	9.7	W-PA-151012-MRK-003	-	Wetland	PEM	OTHER	31.66	-	-	-	1067.64	0.00	1067.64	Pipeline: This wetland is directly crossed by the pipeline route. A trench will be dug to place the pipe a minimum of four feet below the wetland and trench plugs installed. The topsoil will be segregated during construction. This wetland is also located within the travel area and may be crossed with vehicles during construction. If it needs to be crossed a timber mat will be placed over it to allow construction equipment to cross. Following construction, segregated topsoil will be replaced and the wetland will be restored to original contours. The wetland within the PROW will be maintained in perpetuity as an herbaceous wetland.	GP-5, GP-8	25 of 39	SS039
38	40.374230	-80.274986	10.2	W-PA-151203-MRK-001	-	Wetland	PEM	-	0.00	-	-	-	643.70	0.00	643.70	Permanent Right-of-Way: This wetland is located within the PROW. It is located within the travel area and may be crossed with vehicles during construction. If it needs to be crossed a timber mat will be placed over it to allow construction equipment to cross. Following construction, the wetland will be restored to original contours. The wetland within the PROW will be maintained in perpetuity as an herbaceous wetland.	GP-5, GP-8	28 of 39	SS040
39	40.379294	40.379294	10.6	S-PA-151203-MRK-001	UNT to Robinson Run	Stream	Intermittent	WWF	2.50	2.50	123.06	181.81	307.66	454.52	762.18	Pipeline: This stream is directly crossed the pipeline route. 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	29 of 39	SS041
						Floodway	-	-	270.19	-	-	-	10138.53	20575.79					

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	PADEP Permit Type	Plan View Page	Site Specific # (Req H)
													Area within Permanent Right-of-Way (ft) ⁴	Area within Temporary Workspace (ft) ⁴	Area within ROW (ft) ⁴				
40	40.385967	-80.277010	11.1	W-PA-151203-MRK-005	-	Wetland	PEM	OTHER	36.53	-	-	-	949.04	1263.73	2212.77	Pipeline: This wetland is directly crossed by the pipeline route. A trench will be dug to place the pipe a minimum of four feet below the wetland and trench plugs installed. The topsoil will be segregated during construction. This wetland is also located within the travel area and may be crossed with vehicles during construction. If it needs to be crossed a timber mat will be placed over it to allow construction equipment to cross. Following construction, segregated topsoil will be replaced and the wetland will be restored to original contours. The wetland within the PROW will be maintained in perpetuity as an herbaceous wetland.	GP-5, GP-8	32 of 39	SS042
41	40.386263	-80.277401	11.1	W-PA-151203-MRK-006	-	Wetland	PUB	OTHER	0.00	-	-	-	5.06	455.65	460.71	Permanent Right-of-Way: This wetland is located within the PROW. It is located within the travel area and may be crossed with vehicles during construction. If it needs to be crossed a timber mat will be placed over it to allow construction equipment to cross. Following construction, the wetland will be restored to original contours.	GP-5, GP-8	32 of 39	SS042
42	40.387558	-80.286183	11.4	S-PA-170412-RCL-002	UNT to Robinson Run	Floodway	Ephemeral	-	131.12	-	-	-	0.00	2610.11	NA	HOU-TAR-16: The upland floodway will be impacted by use of an existing access road. Once construction is complete, the upland floodway will be restored to pre-construction conditions.	GP-8	32 of 39	SS043
43	40.398202	-80.278240	12.1	S-PA-170105-MRK-001	UNT to Little Raccoon Run	Floodway	Ephemeral	-	0.00	-	-	-	705.96	0.00	NA	Permanent Right-of-Way: This upland floodway is located within the PROW. It is located within the travel area and may be crossed with vehicles during construction. If it needs to be crossed a timber mat will be placed over it to allow construction equipment to cross. Following construction, the upland floodway will be restored to original contours.	GP-5, GP-8	34&35 of 39	SS044
44	40.404352	-80.279492	12.6	S-PA-161130-CBA-001	UNT to Little Raccoon Run	Stream	Ephemeral	WWF	6.00	6.00	62.37	27.61	374.24	165.63	539.87	Pipeline: This stream is directly crossed the pipeline route. 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	36 of 39	SS045
						Floodway		-	112.81	-	-	-	5773.27	3096.69					

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	PADEP 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				
45	40.408131	-80.281437	13.0	S-PA-170105-MRK-002	UNT to Little Raccoon Run	Floodway	Ephemeral	-	0.00	-	-	-	0.00	1988.40	NA	Temporary Workspace: The upland floodway of this stream is located in TWS. Following construction, the upland floodway will be restored to its original contours.	GP-5, GP-8	37 of 39	SS046
46	40.416448	-80.287835	13.8	S-PA-170113-MRK-005	UNT to Little Raccoon Run	Stream	Perennial	WWF	0.00	7.50	19.85	0.00	148.91	0.00	148.91	Permanent Right-of-Way: This stream is located within the PROW. It is located within the travel area and may be crossed with vehicles during construction. If it needs to be crossed a timber mat will be placed over it to allow construction equipment to cross. Following construction, the stream will be restored to original contours.	JPA	39 of 39	SS047/SS048
						Floodway										-			
	40.416406	-80.287872		S-PA-170113-MRK-004		Stream	Perennial	WWF	7.00	7.00	52.18	55.68	365.28	389.76		755.04			
						Floodway													
W-PA-170113-MRK-007	-	Wetland	PEM	OTHER	0.00	-	-	-	1988.29	4752.54	6740.83								
47	40.416866	-80.287994	13.8	S-PA-170207-MRK-005	UNT to Little Raccoon Run	Stream	Intermittent	WWF	0.00	4.00	0.00	34.48	0.00	137.93	137.93	Temporary Workspace: This stream is located in TWS. It is located within the travel area and may be crossed with vehicles during construction. If it needs to be crossed a timber mat will be placed over it to allow construction equipment to cross.	GP-5, GP-8	39 of 39	SS049
						Floodway										-			

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	PADEP 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				
48	40.418008	-80.288018	13.9	S-PA-170113-MRK-006	UNT to Little Raccoon Run	Stream	Intermittent	WWF	3.00	3.00	52.66	33.09	157.98	99.26	257.24	Pipeline: This stream is directly crossed the pipeline route. 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	39 of 39	SS050
						Floodway		-	233.14	-	-	-	12527.78	3518.74					
Houston to Junction Pipeline, Washington County, Pennsylvania Totals						Stream			175.25	191.89	1908.91	1059.71	8,741.13	6,741.12	15434.97				
						Floodway			4802.47	0.00	0.00	0.00	166,570.00	123,818.21	NA				
						Wetland			726.76	0.00	0.00	0.00	33,366.75	20,403.39	53770.14				

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 Water

² Title 25, PA Code, Chapter 93 Designation WWF - Warm Water Fishes, 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.

Changes 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 checked="" type="checkbox"/> Temporary Disturbance (\$400/0.1ac).....	0.3 acres x \$4,000 =	\$ 1,200	+	
<input checked="" type="checkbox"/> Permanent Disturbance (\$800/0.1ac).....	0.2 acres x \$8,000 =	\$ 1,600		= \$ 2,800
WO&E FEE subtotal (a)				\$ 4,550

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 46 (#) X	\$ 250	= \$	11,500
<input type="checkbox"/> GP-6 Agricultural Crossings and Ramps.....	_____ (#) X	\$ 50	= \$	_____
<input checked="" type="checkbox"/> GP-7 Minor Road Crossings ²	1 (#) X	\$ 350	= \$	350
<input checked="" type="checkbox"/> GP-8 Temporary Road Crossings ²	43 (#) X	\$ 175	= \$	7,525
<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)				\$ 19,375

PART ONE: SECTION A. APPLICATION FEE(S) subtotal (a+b=c) \$ 23,925

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) \$ 23,790

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 770223864380 Delivered
Date: Wednesday, September 13, 2017 9:48:47 AM

FedEx®

Your package has been delivered


Tracking # 770223864380

Ship date:
Tue, 9/12/2017

Natalie L. Shearer
AECOM
Pittsburgh, PA 15220
US

Delivery date:
Wed, 9/13/2017 9:33 am

Washington County
Commissioners
Washington County
Commissioners
100 West Beau Street, Suite
702 Courthouse Square
Washington, PA 15301
US


Delivered

Shipment Facts

Our records indicate that the following package has been delivered.

Tracking number:	770223864380
Status:	Delivered: 09/13/2017 09:33 AM Signed for By: D.JOHNSON
Invoice number:	10.5
Purchase order number:	60536988
Reference:	39940622.54210.50000
Signed for by:	D.JOHNSON
Delivery location:	Washington, PA
Delivered to:	Receptionist/Front Desk
Service type:	FedEx Priority Overnight
Packaging type:	FedEx Envelope
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

Washington County Board of
Commissioners
100 W. Beau Street
Washington, PA 15301

Via FedEx: 7702 2386 4380

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 13.8 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:	Chartiers, Mount Pleasant, and Robinson Townships, Washington 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 770224001737 Delivered
Date: Wednesday, September 13, 2017 9:52:16 AM

FedEx®

Your package has been delivered

Tracking # 770224001737

Ship date: Tue, 9/12/2017	Delivery date: Wed, 9/13/2017 9:48 am
Natalie L. Shearer AECOM Pittsburgh, PA 15220 US	William Kiehl & Jodi Noble Chartiers Township 2 Buccaneer Drive HOUSTON, PA 15342 US
 Delivered	

Shipment Facts

Our records indicate that the following package has been delivered.

Tracking number:	770224001737
Status:	Delivered: 09/13/2017 09:48 AM Signed for By: B.SMALL
Invoice number:	10.5
Purchase order number:	60536988
Reference:	39940622.54210.50000
Signed for by:	B.SMALL
Delivery location:	HOUSTON, PA
Delivered to:	Receptionist/Front Desk
Service type:	FedEx Priority Overnight
Packaging type:	FedEx Envelope
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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AECOM
681 Anderson Drive
Pittsburgh
PA, 15220
USA
aecom.com

September 11, 2017

William Kiehl, Chairman of Board of
Supervisors
Jodi Noble, Township Manager
Chartiers Township
2 Buccaneer Drive
Houston, PA 15342

Via FedEx: 7702 2400 1737

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 13.8 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: Chartiers, Mount Pleasant, and Robinson Townships, Washington 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 770224171770 Delivered
Date: Wednesday, September 13, 2017 9:32:34 AM

FedEx®

Your package has been delivered

Tracking # 770224171770

Ship date: Tue, 9/12/2017	Delivery date: Wed, 9/13/2017 9:27 am
Natalie L. Shearer AECOM Pittsburgh, PA 15220 US	Gary Farner & Erin Sakalik Mount Pleasant Township 31 McCarrell Rd HICKORY, PA 15340 US
 Delivered	

Shipment Facts

Our records indicate that the following package has been delivered.

Tracking number:	770224171770
Status:	Delivered: 09/13/2017 09:27 AM Signed for By: T.LENHART
Invoice number:	10.5
Purchase order number:	60536988
Reference:	39940622.54210.50000
Signed for by:	T.LENHART
Delivery location:	HICKORY, PA
Delivered to:	Receptionist/Front Desk
Service type:	FedEx Priority Overnight
Packaging type:	FedEx Envelope
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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AECOM
681 Anderson Drive
Pittsburgh
PA, 15220
USA
aecom.com

September 10, 2017

Gary Farner, Chairman of Board of
Supervisors
Erin Sakalik, Township Manager
Mount Pleasant Township
31 McCarrell Rd, Hickory, PA

Via FedEx: 7702 2417 1770

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 13.8 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:	Chartiers, Mount Pleasant, and Robinson Townships, Washington 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

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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,



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 770224263671 Delivered
Date: Wednesday, September 13, 2017 10:25:00 AM

FedEx®

Your package has been delivered

Tracking # 770224263671

Ship date:

Tue, 9/12/2017

Natalie L. Shearer

AECOM
Pittsburgh, PA 15220
US

Delivery date:

**Wed, 9/13/2017 10:20
am**

**Rodger Kendall & Monica
Miller**

Robinson Township
8400 Noblestown Road
MCDONALD, PA 15057
US

 **Delivered**

Shipment Facts

Our records indicate that the following package has been delivered.

Tracking number:	770224263671
Status:	Delivered: 09/13/2017 10:20 AM Signed for By: D.AMRIA
Invoice number:	10.5
Purchase order number:	60536988
Reference:	39940622.54210.50000
Signed for by:	D.AMRIA
Delivery location:	MCDONALD, PA
Delivered to:	Receptionist/Front Desk
Service type:	FedEx Priority Overnight
Packaging type:	FedEx Envelope
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

Rodger Kendall, Chairman of Board
of Supervisors
Monica Miller, Township Manager
Robinson Township
8400 Noblestown Road
McDonald, PA 15057

Via FedEx: 7702 2426 3671

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 13.8 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:	Chartiers, Mount Pleasant, and Robinson Townships, Washington 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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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.

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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,



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

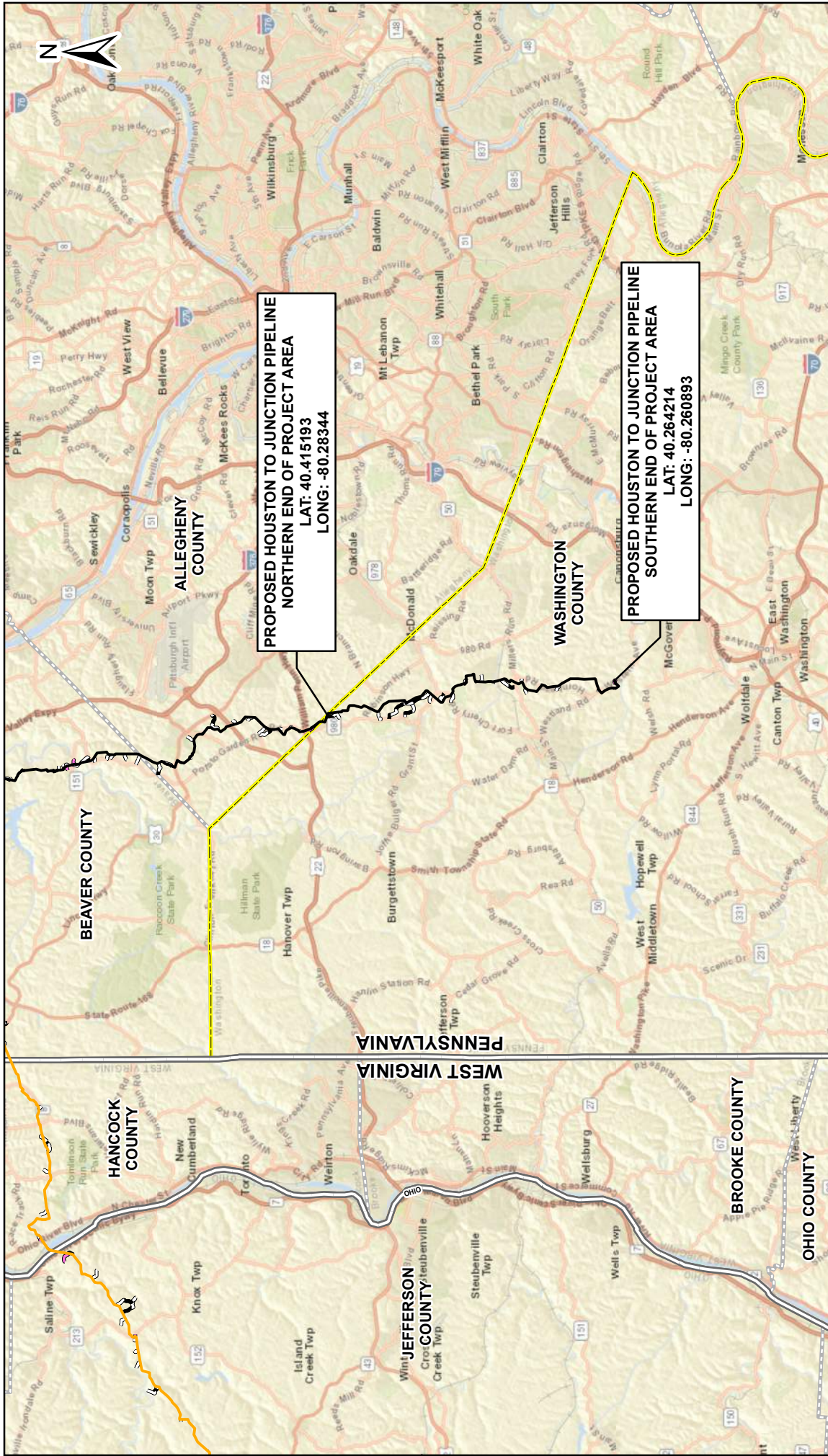


FIGURE 1

SITE LOCATION MAP,
WASHINGTON COUNTY,
PENNSYLVANIA

SHELL PIPELINE COMPANY LP
FALCON ETHANE
PIPELINE SYSTEM

DRAWN BY: PMH DATE: 9/11/2017
APPROVED: NLS PROJECT #: 60536988



SHELL PIPELINE COMPANY LP
HOUSTON, TX 77079



FOSTER PLAZA 6
661 ANDERSEN DRIVE
SUITE 400
PITTSBURGH, PA 15220
412-503-4700

LEGEND

PROPOSED PIPELINE

- CADIZ TO SCIO
- HOUSTON TO JUNCTION
- JUNCTION TO MONACA
- SCIO TO JUNCTION

PERMANENT ACCESS ROAD

TEMPORARY ACCESS ROAD

WASHINGTON COUNTY

COUNTY BOUNDARY

STATE BOUNDARY

0 2.5 5 10 Miles
1 in = 5 miles

REFERENCE: AERIAL LAYER
- SOURCES: ESRI; HERE,
DELOREME; USGS,
INTERMAP, INCREMENT P,
NRCAN, ESRI JAPAN (METI),
ESRI CHINA (HONG KONG),
ESRI KOREA, ESRI
(THAILAND), MAPMYINDIA,
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COORDINATE SYSTEM: NAD
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17N TRANSVERSE
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