

# **Water Supply Assessment, Preparedness, Prevention and Contingency Plan**

## *Pennsylvania Pipeline Project*

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# **WATER SUPPLY ASSESSMENT, PREPAREDNESS, PREVENTION AND CONTINGENCY PLAN PENNSYLVANIA PIPELINE PROJECT**

## **1.0 PROJECT DESCRIPTION**

Sunoco Pipeline, L.P. (SPLP) proposes to construct and operate the Pennsylvania Pipeline Project (Project or PPP) that would expand existing pipeline systems to provide natural gas liquid (NGL) transportation. The Project involves the installation of two parallel pipelines within an approximately 306.8-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. A 20-inch diameter pipeline will be installed within the ROW from Houston to Marcus Hook (306.8 miles) and a second, 16-inch diameter pipeline, will also be installed in the same ROW. The second line is proposed to be installed from SPLP's Delmont Station, Westmoreland County, Pennsylvania to the Marcus Hook facility, paralleling the initial line for approximately 255.8 miles. For a detailed Project Description see Attachment 9 of the Project's Chapter 105 Joint Application for Permit.

## **2.0 SURFACE AND GROUNDWATER PROTECTION PLANS**

SPLP has developed four plans that accompany the Erosion & Sedimentation Plan (E&S Plan). These plans assess the potential impacts and provide for the protection of surface and groundwater due to unanticipated Project activities. The overarching PPC Plan addresses spill prevention, countermeasures, and response in general. Potential impacts to surface waters and public and private water supplies in particular have been analyzed and addressed within two supplemental plans to the PPC Plan: this Water Supply Assessment, Preparedness, Prevention and Contingency Plan (Water Supply Plan); and a HDD Inadvertent Return Assessment, Preparedness, Prevention and Contingency Plan (IR Plan). This Water Supply Plan provides for the assessment of the existing public and private water supplies in or along the project, as well as identifies prevention and preparedness measures to be implemented to protect those supplies. The IR Plan outlines the preconstruction activities implemented to ensure sound geological features are included in the HDD profile, the measures to prevent impact, and the plan to be implemented if an impact were to occur. In addition, a Void Mitigation Plan for Karst Terrain and Underground Mining (Karst Plan) is provided as part of the E&S Plan and assesses the potential impacts and avoidance and mitigation measures during open-cut and drilling procedures. The purpose of these plans is to protect surface and groundwater resources Project-wide. The PPC Plan is provided as Attachment 12A of the Project's Chapter 105 Joint Application for Permit, this Water Supply Plan is provided as Attachment 12B, the IR Plan is provided as Attachment 12C, and the Karst Plan as Attachment 12D. These four plans also accompany every E&S Plan developed for the Project under the Chapter 102 regulations.

## **3.0 WATER SUPPLY PLAN PURPOSE**

Private and public water supply sources are located along and/or downstream of proposed work areas. This plan describes the methodology used to identify those water supplies (i.e., private groundwater wells, public groundwater wells, and private water supply intakes) in relation to the Project areas and presents a summary of the existing environment in regards to these supplies. Next, this plan provides an evaluation of the risks to the types of supplies and outlines the prevention, preparedness, and contingencies in regards to the potential impacts to those supplies.

## **4.0 EXISTING ENVIRONMENT**

A variety of sources were used to identify the existing environment in regards to private and public water supplies in the vicinity of the Project areas. The methods of identification and summary of the results are provided in each of the following subsections.

The data acquired included:(1) Public Water Supply (PWS) areas identified by accessing the Pennsylvania Department of Environmental Protection's (PADEP's) eMapPA platform (<http://www.depgis.state.pa.us/eMapPA/>) to locate both "Groundwater Wells" and "Surface Water Intakes"; (2) private water wells identified using the Pennsylvania Department of Conservation and Natural Resources' (DCNRs') Pennsylvania Groundwater Information System (PaGWIS); and (3) water supply data acquired from landowners during the pipeline easement negotiations.

### **4.1 PRIVATE GROUNDWATER WELLS**

Representatives from SPLP spoke with all landowners directly affected by the Project's workspaces in regards to the presence and location of any waters supply wells. Landowner consultations and plat preparation associated with the acquisition process provided the best available data in regards to the presence and location of groundwater wells. SPLP has avoided all direct impacts to all private water wells. In addition to the information gained from the landowners, SPLP utilized the PAGWIS data to identify 22 approximate water well locations within 150 feet of all HDD alignments, including parcels that would be adjacent to, but not directly crossed by, the Project. The distance of 150 feet was used based on Federal Energy Regulatory Commission guidelines for identification of water wells in the vicinity of their authorized Projects. The locations of these wells are kept within the Project files and are not displayed here to protect the rights of the individual owners. Although the PAGWIS data is made available to the public, the accuracy as stated within the metadata is not reliable and what SPLP has or will obtain represents exact well locations.

### **4.2 PUBLIC WATER SUPPLY WELLS AND INTAKES**

Public water supply areas within one mile of the Project were identified by evaluating all available water supply data obtained from PADEP's eMapPA platform. The analysis resulted in the identification of 50 PWS areas within the 1.0 mile buffer. Project notification letters and maps were sent to all identified PWS authorities and are provided in Attachment A. In these correspondences, SPLP requested the locations of the authority's PWS groundwater well and/or surface intakes as well as an assessment of potential impacts. Many authorities did not provide intake locations, but did inform SPLP that impacts were not anticipated. If a ground water well location was provided, the location was analyzed for potential impacts. Contact reports outlining all PWS authority consultations can be found in Appendix A.

## **5.0 RISK ASSESSMENT**

The project involves the installation 306.8 miles of 20-inch pipeline and 255.8 miles of 16-inch pipeline and supporting aboveground block valve (53) and pump station (8) facilities. The pipeline installation will involve open trenching the majority of the mileage to a depth adequate enough to provide a minimum of 4 feet-of-cover to the top of the pipe in all areas except stream crossings where it will be a minimum of 5-feet-of-cover. The project also involves 132 HDDs for the 20-inch pipeline and 105 HDDs for the 16-inch pipeline and 304 auger bores for the 20-inch pipeline and 250 for the 16-inch pipeline.

Private and public water supplies may be impacted by hazardous material spills during any of the project activities including, open trenching, HDD and auger bore installation,

and block valve and pump station construction and installation, and hydrostatic testing. Open trenching and grading activities have the potential to encounter karst areas/openings that may lead to groundwater sources. Unanticipated encounters with contaminated soil may also threaten water resources and supplies. Additional risks to private and public water supplies may result from the activities associated with the HDD method of pipeline installation, specifically, the use of drilling fluids during the drill process. Hydrostatic testing may require the use of and discharge to public water supply surface waters.

## **5.1 DESCRIPTION OF RISKS**

### **5.1.1 HAZARDOUS MATERIAL SPILL AND ENCOUNTERS**

The materials anticipated to be stored on site during this pipeline construction include diesel fuel, lubricating oil, bentonite clay, and welding gasses (oxygen and acetylene). Of these materials, the material stored in the largest volume and with the highest potential adverse impact to private / public water supply wells and public water supply surface water intakes is diesel fuel.

Encounters with karst terrain or openings during open trenching or grading activities offer a possible pathway for contaminants to migrate to groundwater resources. However, the threat to groundwater sources is limited to sedimentation from on-site run-off into the opening. A diesel fuel spill in the same location as an encounter karst area would be an unlikely event. SPLP has also developed a karst terrain plan that provides procedures for mitigating encounters with subsurface openings. The plan is provided in Attachment 12D of the Project's Chapter 105 Joint Application for Permit. There is the potential to encounter an unanticipated petroleum-based impacted soil during Project construction. The threat of such an encounter to surface or groundwater would depend on the location and extent of the impacted condition.

### **5.1.2 CONVENTIONAL AUGER BORE AND HDD INSTALLATION METHODS**

Conventional auger boring (CAB) or jack and bore is a dry trenchless method of installing a relatively shallow underground steel pipe, from an excavated entry pit to an excavated exit pit, beneath an avoidance obstacle (such as a road). Specifically, a specialized track machine pushes the product pipe into and through the ground while simultaneously auger boring to remove the spoil from within the pipe. This push and clean-out process is repeated for each pipe segment until the desired total installation length is achieved. The technique has been utilized extensively in the United States for numerous decades, primarily for road and railroad crossings. A more detailed description of the CAB process is presented in Section SPLPs' *Trenchless Feasibility Analysis* (TFA) included with the Alternatives Analysis provided with the Project's Chapter 105 Joint Application for Permit.

Horizontal directional drilling (HDD) is a steerable trenchless method of installing underground pipe, conduit, or cable in a shallow arc along a prescribed bore path by using a surface-launched drilling rig, with minimal to no impact along the bore path. The easiest forms of HDD emerged in the 1960s and have since been advanced and are typically utilized when conventional trenching techniques are not desirable or practicable. It is suitable for a variety of soil conditions and primarily intended for obstacle avoidance including, but not limited to, river crossings, roads, and environmental features. A more detailed description of the HDD process is presented in SPLPs' *Trenchless Feasibility Analysis* (TFA) included with the Alternatives Analysis provided with the Project's Chapter 105 Joint Application for Permit.

Throughout the HDD process, a pressurized drilling fluid comprised primarily of water and bentonite clay is pumped into and flows out of the bore hole. The principal functions of drilling fluid in HDD pipeline installation are listed below.

- Transportation of spoil
- Cooling and cleaning of cutters
- Reduction of friction
- Hole stabilization
- Transmission of hydraulic power
- Hydraulic excavation
- Soil modification

### **5.1.3 HYDROSTATIC TESTING**

Hydrostatic testing involves filling a pipeline segment with water and performing a pressure test. SPLP utilizes hydrostatic tests for a variety of applications, such as strength testing prior to commissioning a newly constructed pipeline, testing pipeline replacement sections before being tied into the main pipeline, as a periodic pipeline reassessment method after a pipeline has been in operation, or to establish a new maximum operating pressure. The hydrostatic tests are used to ensure that the pipeline is suitable for service prior to commissioning. SPLP will be installing new pipe to complete the Project.

A combination of approved surface water sources and public water sources will be used to provide the water required for HDD, hydrostatic testing of pipeline segments installed by HDD, and hydrostatic testing of the main pipeline. The pipeline will be tested hydrostatically in accordance with DOT regulations, 49 C.F.R. Part 192. The pipeline will be filled with water and maintained at a test pressure and duration in compliance with SPLP's engineering standards and applicable federal regulations. After completion of a satisfactory test, the water will be discharged to the ground or a directly to a surface water in accordance with in obtained permits or trucked to an offsite facility. HDD segments will be hydrostatically tested individually after the installation process. Subsequently, once the entire pipeline has been installed within a construction spread, the full pipeline will be hydrostatically tested.

## **5.2 RISKS TO WATER SUPPLIES**

### **5.2.1 PRIVATE GROUNDWATER WELLS**

Private groundwater wells are constructed by one of three types as follows:

- Drilled wells are constructed by either a cable tool (percussion) or rotary-drill machines. Well depths typically range between 250 and 500 feet, while some reach depths over 1,000 feet. Drilled wells are the most common type.
- Driven wells are constructed by driving a small-diameter pipe into shallow water-bearing sand or gravel. Hand-driven wells usually are only about 30 feet deep, while machine-driven wells can be 50 feet or more.
- Dug wells are of a historical nature and constructed by hand shoveling a shaft down below the water table. The sides are usually lined with stones, bricks, or other material to prevent collapse and the top may be capped when not utilized. Dug wells usually do not exceed 25 feet in depth.

### Potential Hazardous Material Spill and Encounter Impacts

Given the depth of these resources and limited quantities of the hazardous materials on site at given moment, hazardous materials spills and unanticipated contaminate soil encounters occurring in Project areas pose a minimal threat to private groundwater wells.

### Potential CAB Impacts

CAB is a relatively shallow construction process that must occur in a dry environment. CAB areas with a high groundwater table are dewatered by various methods to temporarily dry the area to facilitate construction. Given the depth of CAB and adjacency with only with the high groundwater table, threats to significantly deeper groundwater tables used for private wells are considered to be minimal.

### Potential HDD Impacts

HDD for pipelines usually occur at depths less than 100 feet, which could include the crossing of superficial/shallow aquifers. The primary potential impact to groundwater is the migration of drilling fluid away from the HDD drill path. Specifically, drilling fluid expended downhole will flow in the path of least resistance. While the path of least resistance is typically the bore hole itself, it may instead be an existing fracture, fissure, or formation opening in the soil or rock substrate. When this happens, circulation can be lost or reduced and drilling fluid could enter the groundwater table that could be used by private groundwater wells.

### Hydrostatic Testing

SPLP will use new pipe in the installation of the pipelines and therefore contamination of the water used for hydrostatic testing is not expected. Therefore, discharge of the water whether it be to upland areas or direct discharge to a surface water would not introduce contaminants into public or private groundwater or surface water supplies. To ensure the water being discharged is free of contaminants, a PAG-10 permit is obtained for all hydrostatic test locations and requires pre-test and discharge testing of the water.

## **5.2.2 PUBLIC WATER SUPPLY WELLS**

Public water supply wells are almost exclusively drilled construction and typically extend significantly deeper (>250 feet) than private wells.

### Potential Hazardous Material Spill and Encounter Impacts

Given the depth of public water supply wells and limited quantities of the hazardous materials on site at given moment, hazardous materials spills and unanticipated contaminate soil encounters occurring in Project areas pose a minimal threat to public water supply wells.

### Potential CAB Impacts

As described in Section 5.2.1 above, CAB construction process is not expected to affect these deep public water supply wells.

### Potential HDD Impacts

As described in Section 5.2.1 above, HDD fluid follows the path of least resistance and may impact water supplies with increased turbidity if the fluid inadvertently flows to deeper aquifer layers. It should be noted that due to the depth of public water supply wells, the potential of drilling fluids reaching these lower aquifer levels is notably less as compared to shallower private water supply wells.

### Hydrostatic Testing

As noted in Section 5.2.1, SPLP will use new pipe in the installation of the pipelines and therefore contamination of the water used for hydrostatic testing is not expected. To ensure the water being discharged is free of contaminants, a PAG-10 permit is obtained for all hydrostatic test locations and requires pre-test and discharge testing of the water.

## **5.2.3 PUBLIC WATER SUPPLY SURFACE WATER INTAKES**

### Potential Hazardous Material Spill and Encounter Impacts

Hazardous material spills and encounters with unanticipated contaminated soil has a potential to impact surface waters that may be upstream and in or along a surface water with a public water supply intake. Work with diesel run equipment is often carried out adjacent to, and within wetlands, waters, and floodways. A spill could result in a direct and immediate impact.

### Potential CAB Impacts

Because the CAB construction process is conducted in a dry environment, no interaction with surface waters is anticipated. The risk to surface water intakes is considerably low.

### Potential HDD Impacts

HDD fluid follows the path of least resistance and may leave the bore hole through a variety of geologic anomalies. The environment may be impacted if the fluid inadvertently returns to the surface at a location on a waterway's banks or within a waterway or wetland. If the fluid cannot be adequately contained, it can mix with surface water, dramatically increasing turbidity, and flow downstream. If this turbid flow reaches a surface water intake, then the public water supply could be adversely affected.

### Hydrostatic Testing

As noted in Section 5.2.1, SPLP will use new pipe in the installation of the pipelines and therefore contamination of the water used for hydrostatic testing is not expected. To ensure the water being discharged is free of contaminants, a PAG-10 permit is obtained for all hydrostatic test locations and requires pre-test and discharge testing of the water.

## **6.0 PREVENTION, PREPAREDNESS, AND CONTINGENCIES**

Identification and description of the existing environment (see Section 4.0) in regards to public and private water supplies and the risks and threats (see Section 5.0) to these supplies in regards to Project actions, allowed SPLP to develop prevention, preparedness, and contingencies as outlined within the following subsections.

### **6.1 PUBLIC AND PRIVATE OWNER CONSULTATIONS**

Attachment A provides the status of SPLP's efforts to consult with PWS authorities within the vicinity of the Project. The majority of the PWS authorities identified have responded with no issue or concern and/or provided the requested location. Several have not responded, and those that did not respond were contacted by telephone to ensure receipt and consideration of the correspondence. Some PWS authorities requested additional information, which SPLP has provided. Some consultations with PWS authorities are on-going and will be resolved to ensure that public water supplies are not put at risk from the Project. Identification of the PWS intakes and concerns raised by the authorities has allowed SPLP to better prevent and prepare contingencies for potential impacts to these resources.

Once the project is fully permitted and construction begins, SPLP will field verify the location of all private drinking water wells within 150 feet of HDDs previously identified through PaGWIS data and landowner consultation. With landowner approval, SPLP will test the wells for water quality and quantity before, during, and after the drill operation in accordance with SPLP's water supply testing plan (Appendix B). Also if any landowner outside of the HDD areas requested pre- and post-construction testing of the wells, that testing will also occur in accordance with SPLP's water supply testing plan. To-date 120 landowners have requested such testing.

PADEP will be notified within 24 hours of receipt of any water supply complaints. This data will be utilized as a baseline for comparison to post-inadvertent return and/or post-construction sampling results to evaluate potential impacts and mitigative measures, if necessary.

## 6.2 HAZARDOUS MATERIAL SPILLS AND ENCOUNTERS

Emergency response protocol for material spills is the same as the protocol documented in SPLP's PPC Plan. The PPC Plan provides the following:

- List of emergency response coordinators
- Duties and responsibilities of the emergency response coordinator
- Chain of command
- Countermeasures to be undertaken by facility
- Countermeasures to be taken by contractors
- Internal and external communications and alarm systems
- Evacuation plan for installation personnel
- Emergency equipment available for response

To ensure site personnel are adequately prepared so they can respond effectively to an emergency, a material spill training program has been generated. SPLP's PPC Plan provides documentation of this program. To mitigate the risk of fuel spillage, all fuel shall be stored in code compliant double-contained vessels. In addition, all fuels will be stored in accordance with the setbacks from aquatic resources as identified within the Project's E&S Plan. To comply with the regulatory requirements set forth in 25 Pa. Code Section 78, SPLP has developed a PPC Plan for effective action to minimize and abate hazards to human health and the environment from fire, explosion, emission or discharge of pollutants to air, soil, surface water, or groundwater. Although hazardous materials (other than diesel fuel) are not planned for use on the Project, SPLP's PPC Plan describes the actions that SPLP or contractor personnel will take regarding hazardous materials if encountered.

Specific Spill Clean Up Procedures:

In the event of a release of hazardous materials during construction activities or if impacted soils identified by visual or olfactory methods are encountered during construction, the following procedures will be followed:

1. Work is stopped immediately in the area if an apparent worker safety concern is identified.
2. Upon discovery, SPLP's Environmental Compliance Coordinator (ECC) will be contacted.
3. If the ECC determines that impacted soils may be present, the ECC representative will notify an SPLP approved Rapid Response contractor. Additionally, if the ECC determines that current conditions cause or threaten

- pollution to surface or groundwater, then the ECC will immediately notify PADEP of the condition in accordance with 25 Pa. Code §91.33.
4. The Rapid Response contractor dispatches the appropriate personnel and equipment to further assess the site.
  5. Rapid Response personnel examine the soil and screen it with a photoionization detector to determine the presence/absence of volatile and semi-volatile organic compounds.
  6. If the Rapid Response personnel determine there are no impacted soils in the area, then the soil is considered cleared and can be used as backfill.
  7. Upon positive identification of impacted soils, Rapid Response personnel will document site conditions, the estimated extent of the condition, and any potential threats to health, safety, and the environment. If at this or any other point of the response process, the ECC in consultation with the Rapid Response personnel concludes that there is a threat of or actual pollution to surface water or groundwater, and PADEP has not been previously notified of the incident, then the ECC will immediately notify PADEP of the condition in accordance with 25 Pa. Code §91.33.
  8. Rapid Response personnel will then excavate and segregate any impacted soils, placing an impervious cover over and under the impacted soils.
  9. After the impacted soils have been excavated and segregated, Rapid Response personnel collect representative samples of the impacted soils and analyze the soil samples for organics in accordance with PADEP's Management of Fill Policy.
  10. If the results of the sampling do not exceed the numeric standards in Table GP-1a of the General Permit for Beneficial Use of Regulated Fill, then the soils may be reused in the area as backfill. If the results of the sampling exceed the numeric standards in Table GP-1a of the General Permit for Beneficial Use of Regulated Fill, then the impacted soils shall be disposed at a properly permitted offsite disposal facility.
  11. Construction may continue unless the ECC, in consultation with the Rapid Response personnel, determines that proceeding with construction poses a threat to health, safety, or the environment.

Petroleum and Petroleum Related Materials: In dealing with a petroleum spill, the immediate response action is to attempt to eliminate the source of the spill as soon as possible. In the event of an accidental spill, emergency measures will be implemented by SPLP to isolate the spilled material and prevent the release from entering surface water or groundwater. Berms may be constructed to contain the spill, and/or excavation equipment may be used to promptly remove impacted soils, concrete, or asphalt. Stormwater collection structures will be either blocked or pumped, if appropriate, to prevent the release to surface water.

Soil that is impacted as a result of an accidental spill or release will be containerized for subsequent disposal. The typical clean up procedure for the spilled oil is as follows:

- Remove sources of ignition (ignition sources are not to be within 50' of any storage tanks)
- Contain the spill using whatever equipment and material are available. Petroleum captured within secondary containment should be recycled to the extent possible. In water, booms should be used to limit the spread of oil along the surface. On land, absorbent materials such as Oil Dri, straw, sawdust, or soil should be used to soak up any free or flowing oil and limit its spread. The most important thing is to act quickly to limit the extent of the spill.
- Remove the petroleum soaked materials using the most effective means, whether it is by hand using shovels or heavy earth moving equipment. Caution must be

exercised in using construction equipment in and around streams to minimize the disturbance to the watercourse. It may be necessary to provide clean fill to reconstruct the affected areas after removal of the petroleum contaminated soils.

### 6.3 RELEASES FROM HDDS

A separate IR PPC Plan has been created for the Project and is supplemental to this PPC. Like this plan, the IR Plan is to be included with all permitting documents provided to the contractor (see Attachment 12C of the Chapter 105 Joint Application for Permit). The IR Plan addresses 25 Pa. Code §78a.68a: Horizontal Directional drilling for oil and gas pipelines. The immediate response actions in dealing with an inadvertent return of drilling fluids (primarily bentonite and water) from a horizontal direction drill include discontinuing drilling operations, identifying the area of the inadvertent return, and isolating the inadvertent return.

As identified in Section 5.3 the risks to water supplies associated with use of the CAB installation method are considerably low. However, HDD methods do present some risk. To ensure the highest probability of success on the proposed HDD installations, SPLP has assembled a technical team which includes engineers and consultants having expertise in HDD design, construction, and environmental issues. Groundwater & Environmental Services, Inc. (GES) reviewed certain information described in Appendix C to identify potential Inadvertent Return (IR) problem areas. GES assembled information related to certain parameters associated with aquifers to assess the relative risk of IRs at HDDs. Of the 17 counties that the proposed PPP crosses, GES reviewed HDD profiles and supplemental information for nine of the counties where geologies representative of all HDD crossings were evaluated. SPLP's IR Plan provides documentation of the methodologies the team employs to eliminate / minimize inadvertent releases of drilling fluids. These protocols include:

- Design criteria and geotechnical sampling
- Site feasibility analysis and inadvertent release risk assessments
- Drinking water source protection protocols

The most effective way to minimize environmental impact associated with HDD installations, and specifically with drilling fluids, is to maintain drilling fluid circulation to the extent practicable. To help facilitate this goal, SPLP's IR Plan provides documentation of the planned HDD implementation procedures and inadvertent returns preparedness measures. These protocols include:

- Drilling fluid control
- Environmental / geologic inspection
- HDD alignment monitoring and inadvertent return protocols

In the event an inadvertent release or return occurs, the fast and appropriate response by all Project parties is essential to minimize adverse impacts. These actions will depend on the location and time of release or return, site specific geologic conditions, and the volume of the release or return.

In the event an inadvertent release occurs to surface waters that could potentially affect a downstream water supply intake point, an SPLP representative will notify the owner / manager of the water supply to provide ample warning so that intake can be temporarily discontinued until the turbidity plume passes.

Should an inadvertent return adversely affect a groundwater or surface water supply source, the following actions shall occur:

- Clean drinking water shall be supplied to affected users until the situation is resolved.
- Water quality and quantity re-sampling shall be conducted to determine the extent of impact and help determine remedial actions, if any.

SPLP's IR Plan provides the details of planned response to inadvertent returns. These protocols address:

- Inadvertent returns in uplands
- Inadvertent returns in wetland(s) / stream(s)
- Containment and clean-up materials and equipment
- Notifications

# **Appendix A**

## **Water Supplier Consultations**

**List of Contacted Public Supply Sources**

<b>PWS ID</b>	<b>PWS Name</b>	<b>Date Sent</b>	<b>Response</b>
PA4070008	ALTOONA CITY AUTH. WATER DEPT.	9/20/2016	In consultation
PA1460073	AQUA PA MAIN DIVISION	9/20/2016	In consultation
PA1150035	AQUA PA UWCHLAN	9/20/2016	No response
PA4070054	AUTUMN EST	9/20/2016	No response
PA4070011	BLAIR TWP WATER & SEWER AUTH	9/20/2016	Responded – No Issue
PA5320006	BLAIRSVILLE MUNI AUTH	9/20/2016	No response
PA3060052	CAERNARVON TWP AUTH	9/20/2016	No response
NA	CAMP HILL STATE CORRECTIONAL INST	9/20/2016	Responded – No Issue
PA1230004	CHESTER WATER AUTHORITY	9/20/2016	Responded – No Issue
PA7380007	CORNWALL BORO MUNI AUTH	9/20/2016	Responded – No Issue
PA7210065	COUNTRY VIEW EST	9/21/2016	Responded – No Issue
PA7210001	CREEK VIEW MOBILE HOME COMMUN	9/20/2016	No response
PA4110030	CRESSON BORO WATER SYS	9/20/2016	No response
PA4110038	CRESSON TWP MUNI AUTH	9/20/2016	No response
PA4110299	CROYLE TWP WATER AUTH	9/21/2016	No response
PA1150037	DEVEREUX FOUNDATION BRANDYWINE	9/20/2016	No response
PA4070012	DUNCANSVILLE MUNI WATER AUTH	9/20/2016	No response
PA4110009	EBENSBURG BORO MUNI AUTH	9/20/2016	Responded – No Issue
PA1150191	ELVERSON WATER COMPANY	9/20/2016	Responded – No Issue
PA4070034	FREEDOM TWP WATER & SEWER	9/20/2016	Responded – No Issue
PA4070013	GREENDOWN ACRES MHP	9/20/2016	No response
PA7210003	HARMONY ESTATES MHP	9/20/2016	No response
PA7380033	HEIDELBERG TWP MUNI AUTH	9/21/2016	Responded – No Issue
PA4110017	HIGHLAND S & W AUTH BEAVERDAM	9/20/2016	Responded – No Issue
PA4110015	HIGHLAND S & W AUTH LLOYDELL	9/20/2016	Responded – No Issue
PA4110016	HIGHLAND S&W AUTH NORTHERN END	9/20/2016	Responded – No Issue
PA5650069	HIGHRIDGE WATER AUTH	9/20/2016	Responded – No Issue
PA7210022	HILLSIDE MHP	9/20/2016	No response
PA4070017	HOLLIDAYSBURG MUNI AUTH	9/20/2016	Responded – No Issue
PA4110021	JACKSON TWP WATER AUTH	9/20/2016	Responded – No Issue
PA7380010	LEBANON WATER AUTH	9/20/2016	Responded – No Issue
PA5650012	LITTLE ACRES MHP	9/20/2016	No response
PA1150030	LOAGS CORNER MOBILE HOME PARK	9/21/2016	No response
PA7670024	MEADOWBROOK MHP	9/20/2016	No response
PA7210063	MIDDLESEX TWP MUNI AUTH	9/20/2016	No response
PA7220038	MIDDLETOWN BORO WATER AUTH	9/20/2016	No response
PA7210049	N MIDDLETON WATER AUTH	9/20/2016	No response
PA7220017	PA AMER WATER CO	9/20/2016	No response
PA5020039	PA AMER WATER CO-PITTSBURGH	9/20/2016	No response

<b>PWS ID</b>	<b>PWS Name</b>	<b>Date Sent</b>	<b>Response</b>
PA7210029	PA AMERICAN WATER CO WEST	9/20/2016	No response
PA5320025	PA AMERICAN WATER CO-INDIANA D	9/20/2016	No response
PA1230886	PATHWAYS	9/20/2016	No response
PA5650026	PINE GARDEN APARTMENTS	9/20/2016	No response
PA7380031	QUENTIN WATER CO	9/20/2016	No response
PA3060067	SHILLINGTON MUNI AUTH	9/20/2016	No response
PA7220036	STEELTON BORO WATER AUTH	9/20/2016	No response
PA7220015	SUEZ WATER	9/20/2016	No response
PA7210028	UNITED WATER PA MECHANICSBURG	9/20/2016	No response
PA3060076	WERNERSVILLE MUNI WATER AUTH	9/20/2016	Responded – No Issue
PA7360141	WEST COCALICO TWP WATER AUTH	9/20/2016	Responded – No Issue
PA5650034	WESTMORELAND MA-TRUXALL SYS	9/20/2016	No response

---

**To:** Altoona City Auth. Water Dept. Telephone: 814-949-2222

**Contact name:** William Cochran

---

**From:** Josh Baird (Tt)

---

**Date:** September 20, 2016

---

**Subject:** Sunoco Pipeline L.P. – Pennsylvania Pipeline Project Public Water Supply Coordination

---

A letter was sent to William Cochran at the Altoona City Auth. Water Dept. on September 20, 2016 requesting information regarding Public Water Supply (PWS) source(s) and/or facility(s) in location to the Pennsylvania Pipeline Project (Project) in order to assess any potential impacts to the PWS. An additional letter was sent with an updated project description on October 14, 2016.

A brief description of the Project was included as well a Site Map related to the location of the PWS in question.

Delivery confirmation indicated the initial letter was received on September 22, 2016, and the subsequent letter on October 18, 2016.

Phone conversation with Mike Sinisi of Altoona Water Authority on 10/28/2016, he requested shapefiles of the pipeline in the vicinity of the authority's watershed – shapefile sent on 10/28/2016. SPLP's Water Supply Assessment PPC Plan has been provided to the Authority.



September 20, 2016

**ALTOONA CITY AUTH. WATER DEPT.  
20 Greenwood Road  
Altoona, PA 16602**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project  
Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

As part of the PADEP permit requirements, we and Sunoco respectfully request your review of the Project's location as it relates to your Public Water Supply (PWS) source(s) and/or facility(s), and assess any potential impacts to the PWS. SPLP also requests the approximate location and/or name of the waterbody that is the water supply. If you require additional information and/or consultation pertaining to the Project, please contact Joshua Baird using the contact info listed below. **If further consultation is not initiated by October 6, SPLP will deem the Project in good standing as it relates to your PWS, and will proceed as planned.**

The following attachments are included for your review:

- Site Map showing the location of the proposed pipeline Project ROW as it relates to the Public Water Supply Areas obtained from the Pennsylvania Department of Environmental Protection's eMapPA application.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



October 14, 2016

Dear Sir or Madam,

The enclosed letter is on behalf of Sunoco Pipeline, L.P. (SPLP), in regards to a previously delivered letter dated September 20, 2016 referencing the Chapter 105 Water Obstruction and Encroachments Permit for the Pennsylvania Pipeline Project (Project). In that letter the project description indicated the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. The Project also includes the installation of a 16-inch pipeline within the same previously described 306-mile, 50-foot-wide right-of-way (ROW). The intention of this letter is to clarify the two planned parallel pipelines. Routing and workspaces will not change from what was previously indicated.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird', written in a cursive style.

Joshua S. Baird

Tetra Tech, Inc.



October 14, 2016

**ALTOONA CITY AUTH. WATER DEPT.**  
**20 Greenwood Road**  
**Altoona, PA 16602**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of two parallel pipelines within an approximately 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. A 20-inch diameter pipeline will be installed within the ROW from Houston to Marcus Hook (306 miles) and a second, 16-inch diameter pipeline, will also be installed in the same ROW. The second line is proposed to be installed from SPLP's Delmont Station, Westmoreland County, Pennsylvania to the Marcus Hook facility, paralleling the initial line for approximately 255 miles. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

As part of the PADEP permit requirements, we and Sunoco respectfully request your review of the Project's location as it relates to your Public Water Supply (PWS) source(s) and/or facility(s), and assess any potential impacts to the PWS. SPLP also requests the approximate location and/or name of the waterbody that is the water supply. If you require additional information and/or consultation pertaining to the Project, please contact Joshua Baird using the contact info listed below. **If further consultation is not initiated by October 18, SPLP will deem the Project in good standing as it relates to your PWS, and will proceed as planned.**

The following attachments are included for your review:

- Site Map showing the location of the proposed pipeline Project ROW as it relates to the Public Water Supply Areas obtained from the Pennsylvania Department of Environmental Protection's eMapPA application.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

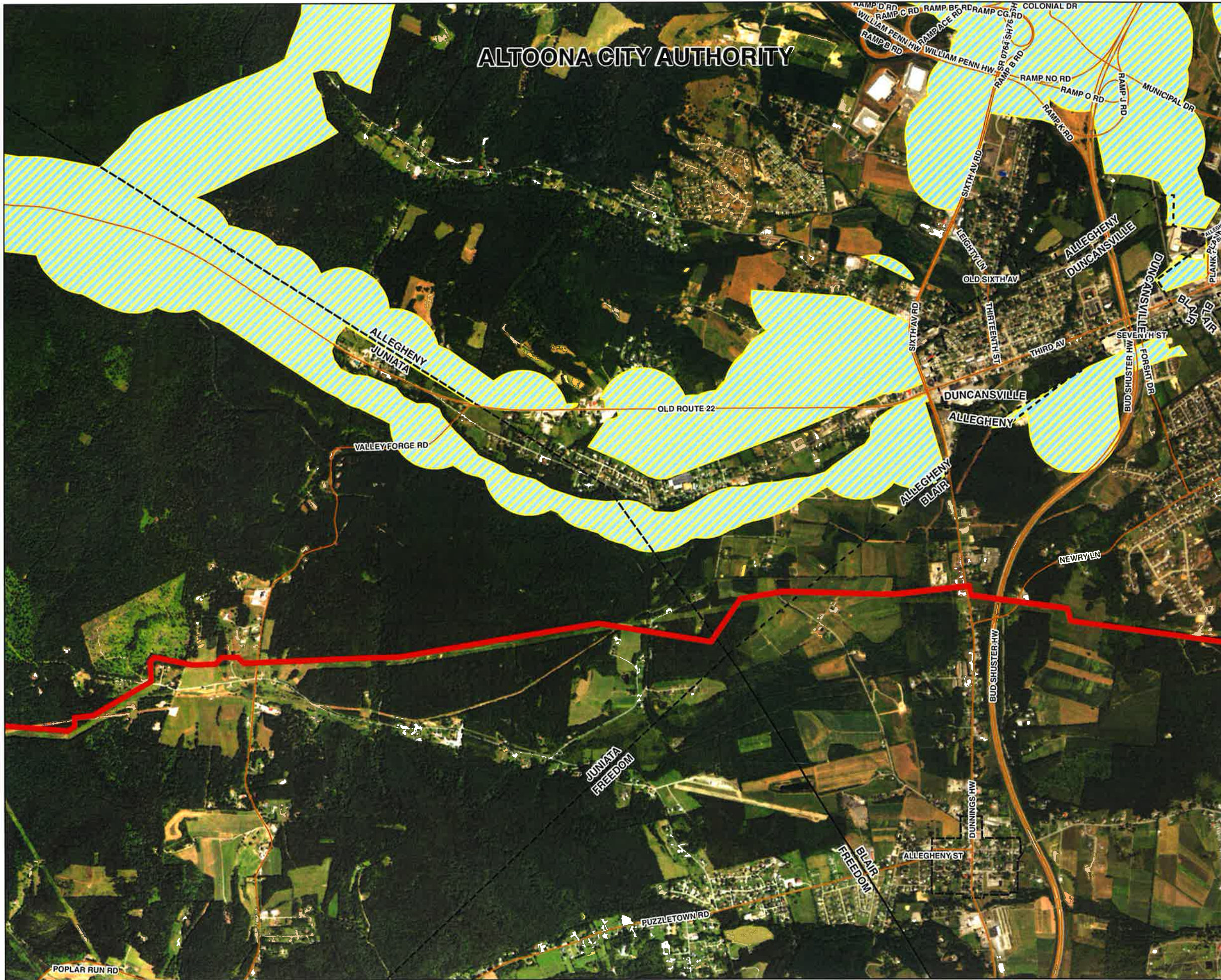
Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

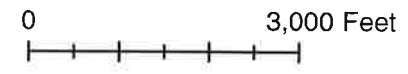
Enclosures: Site Map

# ALTOONA CITY AUTHORITY



- ### Legend
- Proposed Pipeline
  - PA State Roads
  - PA Municipality
  - Public Water Supply Area

### Sunoco PA Pipeline Project Public Water Supply Area



Prepared For:



Prepared By:



Date:  
9/2016

Base Map:  
ESRI World Imagery, October 2011  
Coordinate System NAD 83  
Stateplane, PA South, Feet



## Lavolette, Carrie

---

**From:** trackingupdates@fedex.com  
**Sent:** Thursday, September 22, 2016 2:57 PM  
**To:** Lavolette, Carrie  
**Subject:** FedEx Shipment 777275189468 Delivered

# Your package has been delivered

Tracking # 777275189468

Ship date:  
**Tue, 9/20/2016**

**JOSH BAIRD**  
TETRA TECH -  
HOME  
Buffalo, NY 14203  
US



Delivered

Delivery date:  
**Thu, 9/22/2016**  
**2:52 pm**

**William Cochran**  
Altoona City Auth.  
Water Dept.  
20 Greenwood Road  
ALTOONA, PA 16602  
US




## Shipment Facts

Our records indicate that the following package has been delivered.

<b>Tracking number:</b>	<a href="#">777275189468</a>
<b>Status:</b>	Delivered: 09/22/2016 2:52 PM Signed for By: D.BECK
<b>Reference:</b>	112IC05958, 16
<b>Signed for by:</b>	D.BECK
<b>Delivery location:</b>	ALTOONA, PA
<b>Delivered to:</b>	Receptionist/Front Desk
<b>Service type:</b>	FedEx Standard Overnight
<b>Packaging type:</b>	FedEx Envelope
<b>Number of pieces:</b>	1
<b>Weight:</b>	0.50 lb.
<b>Special handling/Services:</b>	Direct Signature Required

Deliver Weekday

**Standard transit:** 9/21/2016 by 4:30 pm

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 1:57 PM CDT on 09/22/2016.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Standard transit is the date and time the package is scheduled to be delivered by, based on the selected service, destination and ship date. Limitations and exceptions may apply. Please see the FedEx Service Guide for terms and conditions of service, including the FedEx Money-Back Guarantee, or contact your FedEx Customer Support representative.

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Thank you for your business.

**From:** [Laviolette, Carrie](#)  
**To:** [Grosse, Nate](#)  
**Subject:** FW: FedEx Shipment 777470491378 Delivered  
**Date:** Friday, November 18, 2016 8:01:47 AM

**From:** trackingupdates@fedex.com [mailto:trackingupdates@fedex.com]  
**Sent:** Tuesday, October 18, 2016 11:00 AM  
**To:** Laviolette, Carrie <Carrie.Laviolette@tetratech.com>  
**Subject:** FedEx Shipment 777470491378 Delivered

FedEx®

## Your package has been delivered

Tracking # [777470491378](#)

Ship date:  
**Fri, 10/14/2016**

**JOSH BAIRD**  
TETRA TECH -  
HOME  
Buffalo, NY 14203  
US

  
**Delivered**

Delivery date:  
**Tue, 10/18/2016**  
**11:00 am**

**Altoona City Auth.**  
**Water Dept.**  
c/o FedEx Facility  
[3323 ROUTE 764](#)  
DUNCANSVILLE, PA  
16635  
US

### Shipment Facts

Our records indicate that the following package has been delivered.

<b>Tracking number:</b>	<a href="#">777470491378</a>
<b>Status:</b>	Delivered: 10/18/2016 11:00 AM Signed for By: B. CRAMER
<b>Reference:</b>	112IC05958, 16
<b>Signed for by:</b>	B. CRAMER
<b>Delivery location:</b>	DUNCANSVILLE, PA
<b>Delivered to:</b>	FedEx Location
<b>Service type:</b>	FedEx Standard Overnight
<b>Packaging type:</b>	FedEx Envelope
<b>Number of pieces:</b>	1
<b>Weight:</b>	0.50 lb.
<b>Special handling/Services:</b>	Adult Signature Required

Deliver Weekday

**Standard transit:** 10/17/2016 by 4:30  
pm

Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 10:00 AM CDT on 10/18/2016.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Standard transit is the date and time the package is scheduled to be delivered by, based on the selected service, destination and ship date. Limitations and exceptions may apply. Please see the FedEx Service Guide for terms and conditions of service, including the FedEx Money-Back Guarantee, or contact your FedEx Customer Support representative.

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Thank you for your business.

---

**To:** Aqua PA Main Division Telephone: 610-645-1082

**Contact name:** Curt Steffy

---

**From:** Josh Baird (Tt)

---

**Date:** September 20, 2016

---

**Subject:** Sunoco Pipeline L.P. – Pennsylvania Pipeline Project Public Water Supply Coordination

---

A letter was sent to Curt Steffy at Aqua PA Main Division on September 20, 2016 requesting information regarding Public Water Supply (PWS) source(s) and/or facility(s) in location to the Pennsylvania Pipeline Project (Project) in order to assess any potential impacts to the PWS. An additional letter was sent with an updated project description on October 14, 2016.

A brief description of the Project was included as well a Site Map related to the location of the PWS in question.

Delivery confirmation indicated the initial letter was received on September 21, 2016, and the subsequent letter on October 17, 2016.

Received voicemail and email from Craig Marleton, requesting digital AR site plans to aid in his review. Site plans were sent via FTP on 9/26/16; received an email on 9/27/16 inquiring about the Swedesford Road resource he saw on the Chester AR site plans. Advised that it is not part of the project anymore; sent an email with HDD plans and KMZ of the HDD in the area of their intake; received and email request for additional HDD drawings on 10/7/2016 and drawing was sent on 10/7/16. Extension was granted until 10/20/16. Letter received on 10/20/16 from AquaAmerica requesting meeting to discuss their concerns regarding potential impacts. The meeting is planned between SPLP and Aqua PA on December 2, 2016.



September 20, 2016

**Aqua PA Main Division  
762 Lancaster Ave  
Bryn Mawr, PA 19010**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project  
Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

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The following attachments are included for your review:

- Site Map showing the location of the proposed pipeline Project ROW as it relates to the Public Water Supply Areas obtained from the Pennsylvania Department of Environmental Protection's eMapPA application.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



October 14, 2016

Dear Sir or Madam,

The enclosed letter is on behalf of Sunoco Pipeline, L.P. (SPLP), in regards to a previously delivered letter dated September 20, 2016 referencing the Chapter 105 Water Obstruction and Encroachments Permit for the Pennsylvania Pipeline Project (Project). In that letter the project description indicated the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. The Project also includes the installation of a 16-inch pipeline within the same previously described 306-mile, 50-foot-wide right-of-way (ROW). The intention of this letter is to clarify the two planned parallel pipelines. Routing and workspaces will not change from what was previously indicated.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'J. Baird', with a stylized flourish at the end.

Joshua S. Baird

Tetra Tech, Inc.



October 14, 2016

**Aqua PA Main Division  
762 Lancaster Ave  
Bryn Mawr, PA 19010**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project  
Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of two parallel pipelines within an approximately 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. A 20-inch diameter pipeline will be installed within the ROW from Houston to Marcus Hook (306 miles) and a second, 16-inch diameter pipeline, will also be installed in the same ROW. The second line is proposed to be installed from SPLP's Delmont Station, Westmoreland County, Pennsylvania to the Marcus Hook facility, paralleling the initial line for approximately 255 miles. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

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The following attachments are included for your review:

- Site Map showing the location of the proposed pipeline Project ROW as it relates to the Public Water Supply Areas obtained from the Pennsylvania Department of Environmental Protection's eMapPA application.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.






Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map

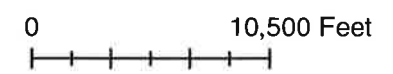
# AQUA PA MAIN DIVISION



## Legend

-  Proposed Pipeline
-  PA State Roads
-  PA County
-  PA Municipality
-  Public Water Supply Area

### Sunoco PA Pipeline Project Public Water Supply Area



Prepared For:



Prepared By:



Date:  
9/2016

Base Map:  
ESRI World Imagery, October 2011  
Coordinate System NAD 83  
Stateplane, PA South, Feet



## Laviolette, Carrie

---

**From:** trackingupdates@fedex.com  
**Sent:** Wednesday, September 21, 2016 10:09 AM  
**To:** Laviolette, Carrie  
**Subject:** FedEx Shipment 777275246803 Delivered

## Your package has been delivered

Tracking # 777275246803

Ship date:  
**Tue, 9/20/2016**

**JOSH BAIRD**  
TETRA TECH -  
HOME  
Buffalo, NY 14203  
US



Delivered

Delivery date:  
**Wed, 9/21/2016**  
**10:03 am**

**Curt Steffy**  
Aqua PA Main  
Division  
762 Lancaster  
Avenue  
BRYN MAWR, PA  
19010  
US

**FedEx**

### Shipment Facts


Our records indicate that the following package has been delivered.

<b>Tracking number:</b>	<a href="#">777275246803</a>
<b>Status:</b>	Delivered: 09/21/2016 10:03 AM Signed for By: A.AUSTIN
<b>Reference:</b>	112IC05958, 16
<b>Signed for by:</b>	A.AUSTIN
<b>Delivery location:</b>	BRYN MAWR, PA
<b>Delivered to:</b>	Mailroom
<b>Service type:</b>	FedEx Standard Overnight
<b>Packaging type:</b>	FedEx Envelope
<b>Number of pieces:</b>	1
<b>Weight:</b>	0.50 lb.

<b>Special handling/Services:</b>	Direct Signature Required
-----------------------------------	---------------------------

Deliver Weekday

<b>Standard transit:</b>	9/21/2016 by 3:00 pm
--------------------------	----------------------

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 9:09 AM CDT on 09/21/2016.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Standard transit is the date and time the package is scheduled to be delivered by, based on the selected service, destination and ship date. Limitations and exceptions may apply. Please see the FedEx Service Guide for terms and conditions of service, including the FedEx Money-Back Guarantee, or contact your FedEx Customer Support representative.

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Carrie Laviolette

# FedEx® Tracking

## 777470472501

Ship date:

**Fri 10/14/2016**

Actual delivery:

**Mon 10/17/2016 9:34 am**



**Delivered**

Signed for by: A. ALSTON

**TETRA TECH - HOME**

JOSH BAIRD  
301 ELLICOTT STREET  
Buffalo, NY US 14203  
716 849-9419

Aqua PA Main Division  
762 Lancaster Avenue  
BRYN MAWR, PA US 19010  
716 849-9419



### Travel History

Date/Time	Activity	Location
<b>10/17/2016 - Monday</b>		
9:34 am	Delivered	BRYN MAWR, PA
8:14 am	On FedEx vehicle for delivery	KING OF PRUSSIA, PA
6:15 am	At local FedEx facility	KING OF PRUSSIA, PA
<b>10/15/2016 - Saturday</b>		
11:55 am	At local FedEx facility	KING OF PRUSSIA, PA
	Package not due for delivery	
11:55 am	At local FedEx facility	KING OF PRUSSIA, PA
9:00 am	At local FedEx facility	KING OF PRUSSIA, PA
9:00 am	At local FedEx facility	KING OF PRUSSIA, PA
	Package not due for delivery	
<b>10/14/2016 - Friday</b>		
11:21 pm	Arrived at FedEx location	MEMPHIS, TN
4:49 pm	Picked up	CHEEKTOWAGA, NY
9:57 am	Shipment information sent to FedEx	

### Shipment Facts

<b>Tracking number</b>	777470472501	<b>Service</b>	FedEx Standard Overnight
<b>Weight</b>	0.5 lbs / 0.23 kgs	<b>Signature services</b>	Adult signature required
<b>Delivery attempts</b>	1	<b>Delivered To</b>	Shipping/Receiving
<b>Total pieces</b>	1	<b>Total shipment weight</b>	0.5 lbs / 0.23 kgs
<b>Terms</b>	Not Available	<b>Shipper reference</b>	112IC05958, 16
<b>Packaging</b>	FedEx Envelope	<b>Special handling section</b>	Deliver Weekday, Adult Signature Required
<b>Standard transit</b>	10/17/2016 by 3:00 pm		



#### Customer Focus

- New Customer Center
- Small Business Center
- Service Guide
- Customer Support

#### Company Information

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- FedEx SameDay
- FedEx Home Delivery
- FedEx TechConnect
- Healthcare Solutions
- Online Retail Solutions
- Packaging Services
- Ancillary Clearance Services

#### Other Resources

- FedEx Compatible
- Developer Resource Center
- FedEx Ship Manager Software
- FedEx Mobile

#### Companies

- FedEx Express
- FedEx Ground
- FedEx Office
- FedEx Freight
- FedEx Custom Critical
- FedEx Trade Networks
- FedEx Cross Border
- FedEx SupplyChain

#### Follow FedEx

United States - |

Ask FedEx

---

**To:** Aqua PA Uwchlan Telephone: 610-645-1164

**Contact name:** Curt Steffy

---

**From:** Josh Baird (Tt)

---

**Date:** September 20, 2016

---

**Subject:** Sunoco Pipeline L.P. – Pennsylvania Pipeline Project Public Water Supply Coordination

---

A letter was sent to Curt Steffy at Aqua PA Uwchlan on September 20, 2016 requesting information regarding Public Water Supply (PWS) source(s) and/or facility(s) in location to the Pennsylvania Pipeline Project (Project) in order to assess any potential impacts to the PWS. An additional letter was sent with an updated project description on October 14, 2016.

A brief description of the Project was included as well a Site Map related to the location of the PWS in question.

Delivery confirmation indicated the initial letter was received on September 21, 2016, and the subsequent letter on October 17, 2016.



September 20, 2016

**AQUA PA UWCHLAN  
762 W Lancaster Ave  
Bryn Mawr, PA 19010**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project  
Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

As part of the PADEP permit requirements, we and Sunoco respectfully request your review of the Project's location as it relates to your Public Water Supply (PWS) source(s) and/or facility(s), and assess any potential impacts to the PWS. SPLP also requests the approximate location and/or name of the waterbody that is the water supply. If you require additional information and/or consultation pertaining to the Project, please contact Joshua Baird using the contact info listed below. **If further consultation is not initiated by October 6, SPLP will deem the Project in good standing as it relates to your PWS, and will proceed as planned.**

The following attachments are included for your review:

- Site Map showing the location of the proposed pipeline Project ROW as it relates to the Public Water Supply Areas obtained from the Pennsylvania Department of Environmental Protection's eMapPA application.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



October 14, 2016

Dear Sir or Madam,

The enclosed letter is on behalf of Sunoco Pipeline, L.P. (SPLP), in regards to a previously delivered letter dated September 20, 2016 referencing the Chapter 105 Water Obstruction and Encroachments Permit for the Pennsylvania Pipeline Project (Project). In that letter the project description indicated the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. The Project also includes the installation of a 16-inch pipeline within the same previously described 306-mile, 50-foot-wide right-of-way (ROW). The intention of this letter is to clarify the two planned parallel pipelines. Routing and workspaces will not change from what was previously indicated.

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Joshua S. Baird

Tetra Tech, Inc.



October 14, 2016

**AQUA PA UWCHLAN**  
**762 W Lancaster Ave**  
**Bryn Mawr, PA 19010**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

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Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map




**Legend**

-  Proposed Pipeline
-  PA State Roads
-  PA County
-  PA Municipality
-  Public Water Supply Area

**Sunoco PA Pipeline Project  
Public Water Supply Area**

0 6,000 Feet



Prepared For:




Prepared By:



Date:  
9/2016

Base Map;  
ESRI World Imagery, October 2011  
Coordinate System NAD 83  
Stateplane, PA South, Feet



## Laviolette, Carrie

---

**From:** trackingupdates@fedex.com  
**Sent:** Monday, October 17, 2016 9:36 AM  
**To:** Laviolette, Carrie  
**Subject:** FedEx Shipment 777470507716 Delivered

## Your package has been delivered

Tracking # 777470507716

Ship date:  
**Fri, 10/14/2016**

**JOSH BAIRD**  
TETRA TECH -  
HOME  
Buffalo, NY 14203  
US



Delivery date:  
**Mon,**  
**10/17/2016 9:34**  
**am**

**Aqua PA Uwchlan**  
762 W Lancaster  
Avenue  
BRYN MAWR, PA  
19010  
US




### Shipment Facts

Our records indicate that the following package has been delivered.

<b>Tracking number:</b>	<a href="#">777470507716</a>
<b>Status:</b>	Delivered: 10/17/2016 09:34 AM Signed for By: A.ALSTON
<b>Reference:</b>	112IC05958, 16
<b>Signed for by:</b>	A.ALSTON
<b>Delivery location:</b>	BRYN MAWR, PA
<b>Delivered to:</b>	Shipping/Receiving
<b>Service type:</b>	FedEx Standard Overnight
<b>Packaging type:</b>	FedEx Envelope
<b>Number of pieces:</b>	1
<b>Weight:</b>	0.50 lb.
<b>Special handling/Services:</b>	Adult Signature Required

Deliver Weekday

**Standard transit:** 10/17/2016 by 3:00  
pm

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 8:36 AM CDT on 10/17/2016.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Standard transit is the date and time the package is scheduled to be delivered by, based on the selected service, destination and ship date. Limitations and exceptions may apply. Please see the FedEx Service Guide for terms and conditions of service, including the FedEx Money-Back Guarantee, or contact your FedEx Customer Support representative.

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Thank you for your business.

---

**To:** Autumn Est Telephone: 814-695-0536

**Contact name:** Matt Fowler

---

**From:** Josh Baird (Tt)

---

**Date:** September 20, 2016

---

**Subject:** Sunoco Pipeline L.P. – Pennsylvania Pipeline Project Public Water Supply Coordination

---

A letter was sent to Matt Fowler at Autumn Est on September 20, 2016 requesting information regarding Public Water Supply (PWS) source(s) and/or facility(s) in location to the Pennsylvania Pipeline Project (Project) in order to assess any potential impacts to the PWS. An additional letter was sent with an updated project description on October 14, 2016.

A brief description of the Project was included as well a Site Map related to the location of the PWS in question.

Delivery confirmation indicated the initial letter was received on September 21, 2016, and the subsequent letter on October 17, 2016.



September 20, 2016

**AUTUMN EST**  
**117 Shaffer Lane**  
**Hollidaysburg, PA 16648**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

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Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



October 14, 2016

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Joshua S. Baird

Tetra Tech, Inc.



October 14, 2016

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117 Shaffer Lane  
Hollidaysburg, PA 16648

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Public Water Supply Coordination**

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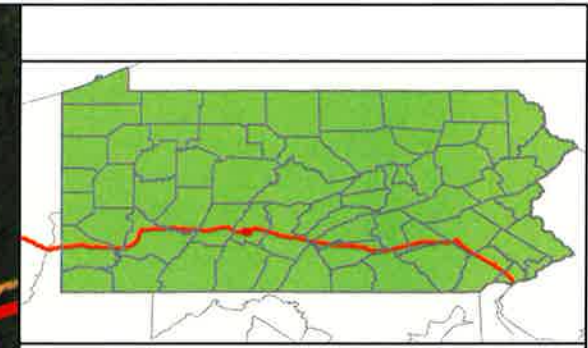
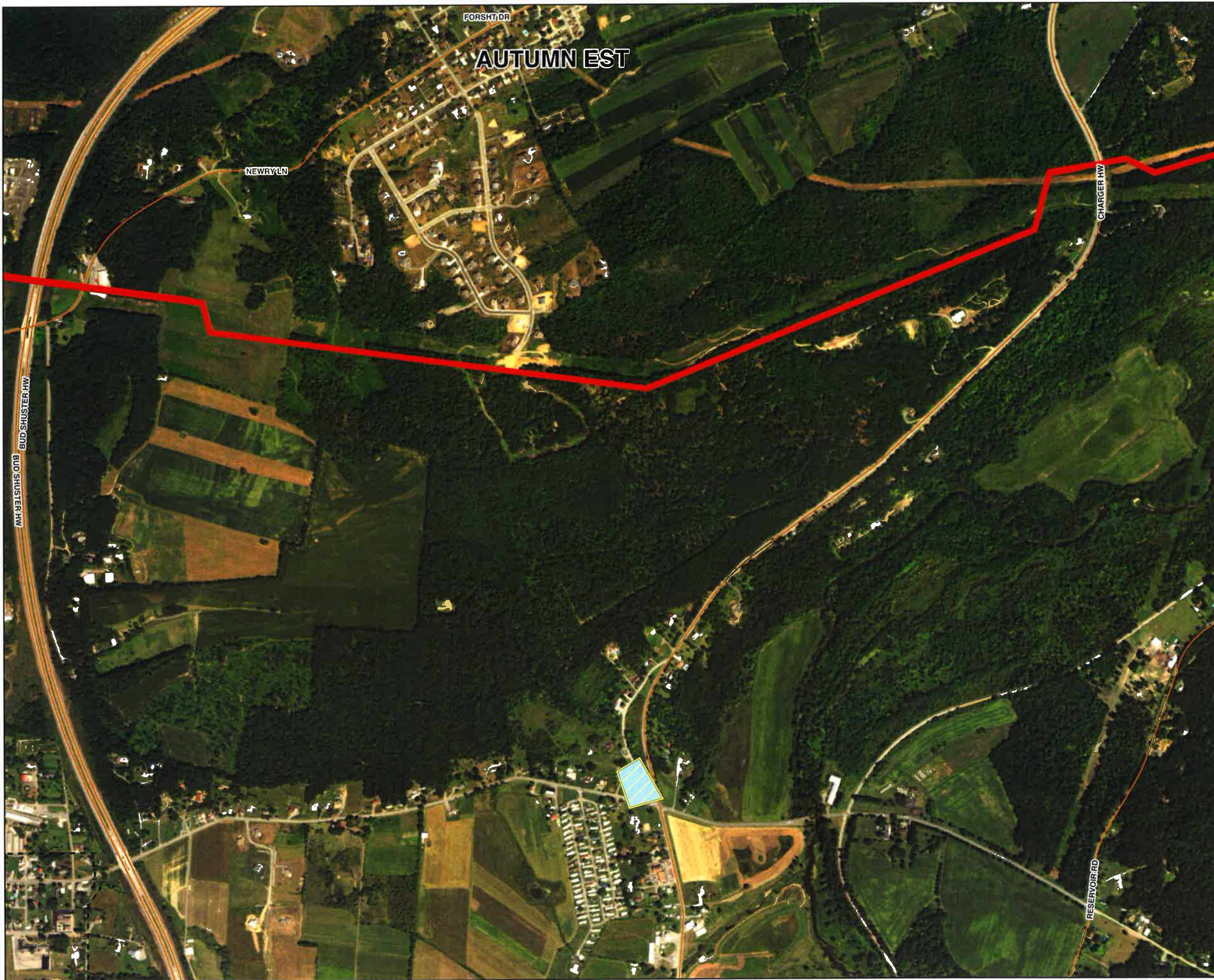
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Tetra Tech, Inc.

Enclosures: Site Map



**Legend**

-  Proposed Pipeline
-  PA State Roads
-  PA County
-  PA Municipality
-  Public Water Supply Area

**Sunoco PA Pipeline Project  
Public Water Supply Area**

0 1,000 Feet

Prepared For:




Prepared By:



Date:  
9/2016

Base Map:  
ESRI World Imagery, October 2011  
Coordinate System NAD 83  
Stateplane, PA South, Feet



## Laviolette, Carrie

---

**From:** trackingupdates@fedex.com  
**Sent:** Wednesday, September 21, 2016 11:40 AM  
**To:** Laviolette, Carrie  
**Subject:** FedEx Shipment 777275287755 Delivered

## Your package has been delivered

Tracking # [777275287755](#)

Ship date:  
**Tue, 9/20/2016**

**JOSH BAIRD**  
TETRA TECH -  
HOME  
Buffalo, NY 14203  
US



Delivery date:  
**Wed, 9/21/2016**  
**11:34 am**

**Matt Fowler**  
Autumn Est  
117 Shaffer Lane  
HOLLIDAYSBURG, PA  
16648  
US




### Shipment Facts

Our records indicate that the following package has been delivered.

<b>Tracking number:</b>	<a href="#">777275287755</a>
<b>Status:</b>	Delivered: 09/21/2016 11:34 AM Signed for By: B.SOLLENBERGER
<b>Reference:</b>	112IC05958, 16
<b>Signed for by:</b>	B.SOLLENBERGER
<b>Delivery location:</b>	HOLLIDAYSBURG, PA
<b>Delivered to:</b>	Receptionist/Front Desk
<b>Service type:</b>	FedEx Standard Overnight
<b>Packaging type:</b>	FedEx Envelope
<b>Number of pieces:</b>	1
<b>Weight:</b>	0.50 lb.
<b>Special handling/Services:</b>	Direct Signature Required

Deliver Weekday

**Standard transit:** 9/21/2016 by 4:30 pm

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 10:40 AM CDT on 09/21/2016.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Standard transit is the date and time the package is scheduled to be delivered by, based on the selected service, destination and ship date. Limitations and exceptions may apply. Please see the FedEx Service Guide for terms and conditions of service, including the FedEx Money-Back Guarantee, or contact your FedEx Customer Support representative.

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**777470545327**

Ship date:  
**Fri 10/14/2016**



**Delivered**

Signed for by: M.DONEL



**TETRA TECH - HOME**  
 JOSH BAIRD  
 301 ELLICOTT STREET  
 Buffalo, NY US 14203  
 716 849-9419

Actual delivery:  
**Mon 10/17/2016 12:32 pm**

Autumn EST  
 117 Shaffer Lane  
 HOLLIDAYSBURG, PA US 16648  
 716 849-9419

tracking number

United States - English

**Travel History**

Date/Time	Activity	Location
<b>10/17/2016 - Monday</b>		
12:32 pm	Delivered	HOLLIDAYSBURG, PA
9:10 am	On FedEx vehicle for delivery	DUNCANVILLE, PA
<b>10/15/2016 - Saturday</b>		
9:30 am	At local FedEx facility	DUNCANVILLE, PA
6:23 am	At destination sort facility	MOON TOWNSHIP, PA
4:27 am	In transit	MEMPHIS, TN
3:56 am	Departed FedEx location	MEMPHIS, TN
<b>10/14/2016 - Friday</b>		
11:21 pm	Arrived at FedEx location	MEMPHIS, TN
4:49 pm	Picked up	CHEEKTOWAGA, NY
10:08 am	Shipment information sent to FedEx	

Use | Security and Privacy

**Shipment Facts**

<b>Tracking number</b>	777470545327	<b>Service</b>	FedEx Standard Overnight
<b>Weight</b>	0.5 lbs / 0.23 kgs	<b>Signature services</b>	Adult signature required
<b>Delivery attempts</b>	1	<b>Delivered To</b>	Receptionist/Front Desk
<b>Total pieces</b>	1	<b>Total shipment weight</b>	0.5 lbs / 0.23 kgs
<b>Terms</b>	Not Available	<b>Shipper reference</b>	112IC05958, 16
<b>Packaging</b>	FedEx Envelope	<b>Special handling section</b>	Deliver Weekday, Adult Signature Required
<b>Standard transit</b>	10/17/2016 by 4:30 pm		

Ask FedEx

---

**To:** Blair Twp Water & Sewer Auth Telephone: 814-695-6300

**Contact name:** Joseph Pyzowski

---

**From:** Josh Baird (Tt)

---

**Date:** September 20, 2016

---

**Subject:** Sunoco Pipeline L.P. – Pennsylvania Pipeline Project Public Water Supply Coordination

---

A letter was sent to Joseph Pyzowski at Blair Twp Water & Sewer Auth on September 20, 2016 requesting information regarding Public Water Supply (PWS) source(s) and/or facility(s) in location to the Pennsylvania Pipeline Project (Project) in order to assess any potential impacts to the PWS. An additional letter was sent with an updated project description on October 14, 2016.

A brief description of the Project was included as well a Site Map related to the location of the PWS in question.

Delivery confirmation indicated the initial letter was received on September 21, 2016, and the subsequent letter on October 17, 2016.

Spoke with Tim on 9/21/16, he requested new maps zoomed out to the West, as well as zoomed in around the Holtzinger property. Mapping was provided on 9/22/16 via email. Spoke with Tim again on 10/18/16, he gave verbal approval, pending 30 ft clearance from culdesac.



September 20, 2016

**BLAIR TWP WATER & SEWER AUTH**  
**377 Cedarcrest Drive**  
**Duncansville, PA 16635**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

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Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



October 14, 2016

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Joshua S. Baird

Tetra Tech, Inc.



October 14, 2016

**BLAIR TWP WATER & SEWER AUTH**  
377 Cedarcrest Drive  
Duncansville, PA 16635

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project  
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Enclosures: Site Map

# BLAIR TWP WATER & SEWER AUTHORITY



### Legend

- Proposed Pipeline
- PA State Roads
- PA County
- PA Municipality
- Public Water Supply Area

**Sunoco PA Pipeline Project  
Public Water Supply Area**

0 1,000 Feet

Prepared For:




Prepared By:



Date:  
9/2016

Base Map;  
ESRI World Imagery, October 2011  
Coordinate System NAD 83  
Stateplane, PA South, Feet



## Laviolette, Carrie

---

**From:** trackingupdates@fedex.com  
**Sent:** Wednesday, September 21, 2016 12:04 PM  
**To:** Laviolette, Carrie  
**Subject:** FedEx Shipment 777276040324 Delivered

# Your package has been delivered

Tracking # 777276040324

Ship date:  
**Tue, 9/20/2016**

**JOSH BAIRD**  
TETRA TECH -  
HOME  
Buffalo, NY 14203  
US



Delivery date:  
**Wed, 9/21/2016**  
**11:58 am**

**Joseph Pyzowski**  
Blair Twp Water and  
Sewer Authority  
377 Cedarcrest Drive  
DUNCANSVILLE, PA  
16635  
US




## Shipment Facts

Our records indicate that the following package has been delivered.

<b>Tracking number:</b>	<a href="#">777276040324</a>
<b>Status:</b>	Delivered: 09/21/2016 11:58 AM Signed for By: K.MCGRAW
<b>Reference:</b>	112IC05958, 16
<b>Signed for by:</b>	K.MCGRAW
<b>Delivery location:</b>	DUNCANSVILLE, PA
<b>Delivered to:</b>	Receptionist/Front Desk
<b>Service type:</b>	FedEx Standard Overnight
<b>Packaging type:</b>	FedEx Envelope
<b>Number of pieces:</b>	1
<b>Weight:</b>	0.50 lb.
<b>Special handling/Services:</b>	Direct Signature Required

Deliver Weekday

**Standard transit:** 9/21/2016 by 4:30 pm

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 11:03 AM CDT on 09/21/2016.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Standard transit is the date and time the package is scheduled to be delivered by, based on the selected service, destination and ship date. Limitations and exceptions may apply. Please see the FedEx Service Guide for terms and conditions of service, including the FedEx Money-Back Guarantee, or contact your FedEx Customer Support representative.

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**777470623645**

Ship date:  
**Fri 10/14/2016**



**Delivered**

Signed for by: K.MCGRAW



**TETRA TECH - HOME**  
 JOSH BAIRD  
 301 ELLICOTT STREET  
 Buffalo, NY US 14203  
 716 849-9419

Actual delivery:  
**Mon 10/17/2016 12:41 pm**

Blair TWP Water & Sewer Auth  
 377 Cedarcrest Drive  
 DUNCANVILLE, PA US 16635  
 716 849-9419

tracking number

United States - English

**Travel History**

▲ Date/Time	Activity	Location
- 10/17/2016 - Monday		
12:41 pm	Delivered	DUNCANVILLE, PA
9:09 am	On FedEx vehicle for delivery	DUNCANVILLE, PA
- 10/15/2016 - Saturday		
9:31 am	At local FedEx facility	DUNCANVILLE, PA
6:23 am	At destination sort facility	MOON TOWNSHIP, PA
4:27 am	In transit	MEMPHIS, TN
3:56 am	Departed FedEx location	MEMPHIS, TN
- 10/14/2016 - Friday		
11:21 pm	Arrived at FedEx location	MEMPHIS, TN
4:49 pm	Picked up	CHEEKTOWAGA, NY
10:08 am	Shipment information sent to FedEx	

Use | Security and Privacy

**Shipment Facts**

<b>Tracking number</b>	777470623645	<b>Service</b>	FedEx Standard Overnight
<b>Weight</b>	0.5 lbs / 0.23 kgs	<b>Signature services</b>	Adult signature required
<b>Delivery attempts</b>	1	<b>Delivered To</b>	Receptionist/Front Desk
<b>Total pieces</b>	1	<b>Total shipment weight</b>	0.5 lbs / 0.23 kgs
<b>Terms</b>	Not Available	<b>Shipper reference</b>	112IC05958, 16
<b>Packaging</b>	FedEx Envelope	<b>Special handling section</b>	Deliver Weekday, Adult Signature Required
<b>Standard transit</b>	10/17/2016 by 4:30 pm		

Ask FedEx

---

**To:** Blairsville Muni Auth Telephone: 724-459-9100

**Contact name:** Ron Hood

---

**From:** Josh Baird (Tt)

---

**Date:** September 20, 2016

---

**Subject:** Sunoco Pipeline L.P. – Pennsylvania Pipeline Project Public Water Supply Coordination

---

A letter was sent to Ron Hood at Blairsville Muni Auth on September 20, 2016 requesting information regarding Public Water Supply (PWS) source(s) and/or facility(s) in location to the Pennsylvania Pipeline Project (Project) in order to assess any potential impacts to the PWS. An additional letter was sent with an updated project description on October 14, 2016.

A brief description of the Project was included as well a Site Map related to the location of the PWS in question.

Delivery confirmation indicated the initial letter was received on September 21, 2016, and the subsequent letter on October 17, 2016.



September 20, 2016

**BLAIRSVILLE MUNI AUTH**  
**203 East Market St**  
**Blairsville, PA 15717**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

As part of the PADEP permit requirements, we and Sunoco respectfully request your review of the Project's location as it relates to your Public Water Supply (PWS) source(s) and/or facility(s), and assess any potential impacts to the PWS. SPLP also requests the approximate location and/or name of the waterbody that is the water supply. If you require additional information and/or consultation pertaining to the Project, please contact Joshua Baird using the contact info listed below. **If further consultation is not initiated by October 6, SPLP will deem the Project in good standing as it relates to your PWS, and will proceed as planned.**

The following attachments are included for your review:

- Site Map showing the location of the proposed pipeline Project ROW as it relates to the Public Water Supply Areas obtained from the Pennsylvania Department of Environmental Protection's eMapPA application.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



October 14, 2016

Dear Sir or Madam,

The enclosed letter is on behalf of Sunoco Pipeline, L.P. (SPLP), in regards to a previously delivered letter dated September 20, 2016 referencing the Chapter 105 Water Obstruction and Encroachments Permit for the Pennsylvania Pipeline Project (Project). In that letter the project description indicated the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. The Project also includes the installation of a 16-inch pipeline within the same previously described 306-mile, 50-foot-wide right-of-way (ROW). The intention of this letter is to clarify the two planned parallel pipelines. Routing and workspaces will not change from what was previously indicated.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird', with a stylized flourish at the end.

Joshua S. Baird

Tetra Tech, Inc.



October 14, 2016

**BLAIRSVILLE MUNI AUTH**  
**203 East Market St**  
**Blairsville, PA 15717**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of two parallel pipelines within an approximately 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. A 20-inch diameter pipeline will be installed within the ROW from Houston to Marcus Hook (306 miles) and a second, 16-inch diameter pipeline, will also be installed in the same ROW. The second line is proposed to be installed from SPLP's Delmont Station, Westmoreland County, Pennsylvania to the Marcus Hook facility, paralleling the initial line for approximately 255 miles. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

As part of the PADEP permit requirements, we and Sunoco respectfully request your review of the Project's location as it relates to your Public Water Supply (PWS) source(s) and/or facility(s), and assess any potential impacts to the PWS. SPLP also requests the approximate location and/or name of the waterbody that is the water supply. If you require additional information and/or consultation pertaining to the Project, please contact Joshua Baird using the contact info listed below. **If further consultation is not initiated by October 18, SPLP will deem the Project in good standing as it relates to your PWS, and will proceed as planned.**

The following attachments are included for your review:

- Site Map showing the location of the proposed pipeline Project ROW as it relates to the Public Water Supply Areas obtained from the Pennsylvania Department of Environmental Protection's eMapPA application.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.






Enclosures: Site Map

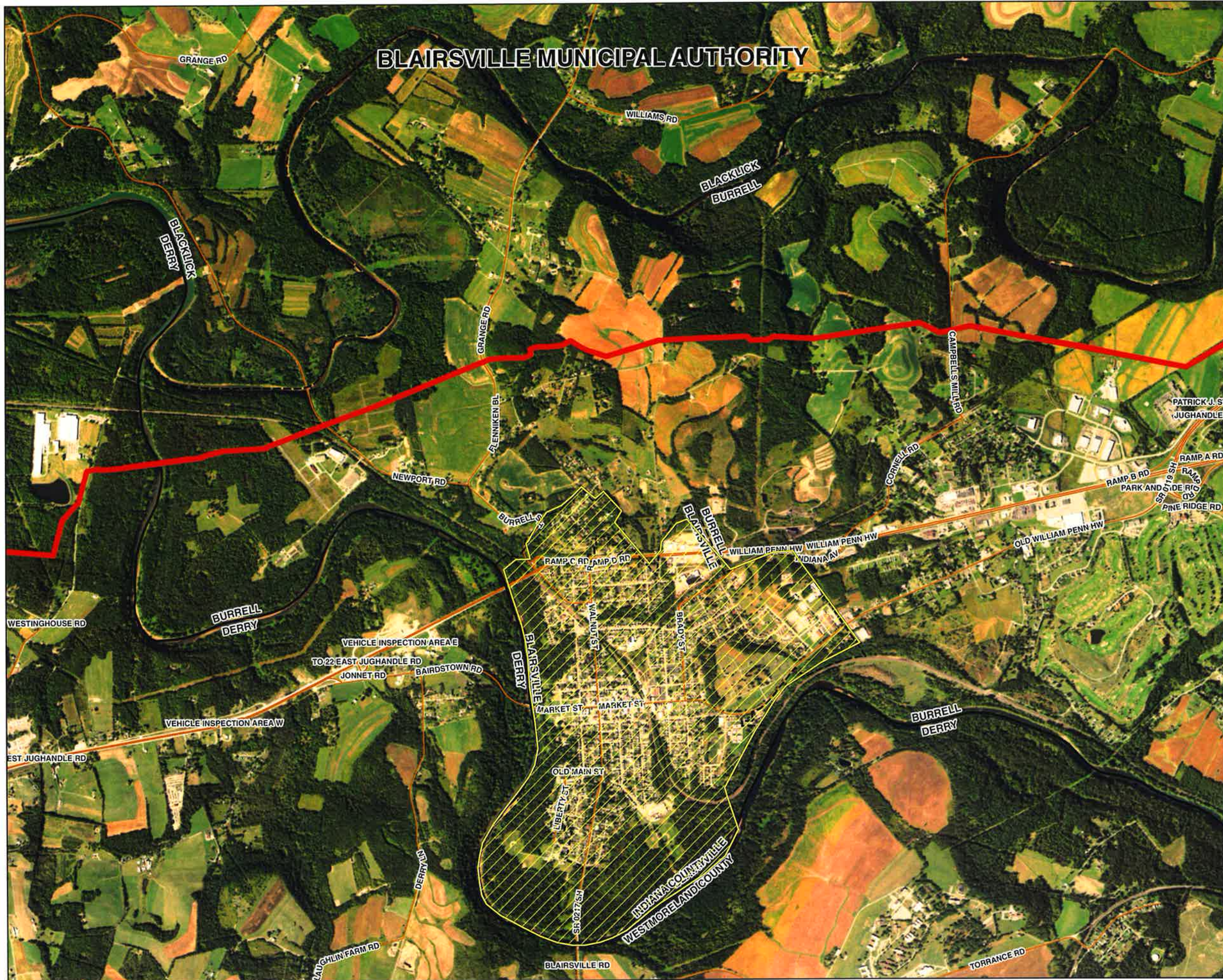
# BLAIRSVILLE MUNICIPAL AUTHORITY

## Global Indicator

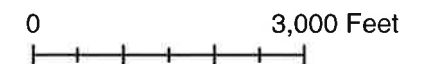


## Legend

-  Proposed Pipeline
-  PA State Roads
-  PA County
-  PA Municipality
-  Public Water Supply Area



### Sunoco PA Pipeline Project Public Water Supply Area



Prepared For:



Prepared By:



Date:  
9/2016

Base Map;  
ESRI World Imagery, October 2011  
Coordinate System NAD 83  
Stateplane, PA South, Feet



## Laviolette, Carrie

---

**From:** trackingupdates@fedex.com  
**Sent:** Wednesday, September 21, 2016 11:15 AM  
**To:** Laviolette, Carrie  
**Subject:** FedEx Shipment 777275338690 Delivered

## Your package has been delivered

Tracking # 777275338690

Ship date:  
**Tue, 9/20/2016**

**JOSH BAIRD**  
TETRA TECH -  
HOME  
Buffalo, NY 14203  
US



Delivery date:  
**Wed, 9/21/2016**  
**11:12 am**

**Ron Hood**  
Blairsville Muni  
Authority  
203 Market St  
BLAIRSVILLE, PA  
15717  
US




### Shipment Facts

Our records indicate that the following package has been delivered.

<b>Tracking number:</b>	<a href="#">777275338690</a>
<b>Status:</b>	Delivered: 09/21/2016 11:12 AM Signed for By: S.LEE
<b>Reference:</b>	112IC05958, 16
<b>Signed for by:</b>	S.LEE
<b>Delivery location:</b>	BLAIRSVILLE, PA
<b>Delivered to:</b>	Receptionist/Front Desk
<b>Service type:</b>	FedEx Standard Overnight
<b>Packaging type:</b>	FedEx Envelope
<b>Number of pieces:</b>	1
<b>Weight:</b>	0.50 lb.
<b>Special handling/Services:</b>	Direct Signature Required

Deliver Weekday

**Standard transit:** 9/21/2016 by 4:30 pm

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 10:15 AM CDT on 09/21/2016.

All weights are estimated.

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Thank you for your business.

**From:** [Lavolette, Carrie](#)  
**To:** [Grosse, Nate](#)  
**Subject:** FW: FedEx Shipment 777470645157 Delivered  
**Date:** Friday, November 18, 2016 8:02:17 AM

**From:** trackingupdates@fedex.com [mailto:trackingupdates@fedex.com]  
**Sent:** Monday, October 17, 2016 10:56 AM  
**To:** Lavolette, Carrie <Carrie.Lavolette@tetrattech.com>  
**Subject:** FedEx Shipment 777470645157 Delivered

FedEx®

## Your package has been delivered

Tracking # [777470645157](#)

Ship date:  
**Fri, 10/14/2016**

**JOSH BAIRD**  
TETRA TECH -  
HOME  
Buffalo, NY 14203  
US

Delivery date:  
**Mon,**  
**10/17/2016**  
**10:51 am**

  **Delivered**

**Blairsville Mini.  
Auth.**  
203 East Market  
Street  
BLAIRSVILLE, PA  
15717  
US

### Shipment Facts

Our records indicate that the following package has been delivered.

<b>Tracking number:</b>	<a href="#">777470645157</a>
<b>Status:</b>	Delivered: 10/17/2016 10:51 AM Signed for By: S.LEE
<b>Reference:</b>	112IC05958, 16
<b>Signed for by:</b>	S.LEE
<b>Delivery location:</b>	BLAIRSVILLE, PA
<b>Delivered to:</b>	Receptionist/Front Desk
<b>Service type:</b>	FedEx Standard Overnight
<b>Packaging type:</b>	FedEx Envelope
<b>Number of pieces:</b>	1
<b>Weight:</b>	0.50 lb.

<b>Special handling/Services:</b>	Adult Signature Required
-----------------------------------	--------------------------

Deliver Weekday

<b>Standard transit:</b>	10/17/2016 by 4:30 pm
--------------------------	-----------------------

Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 9:56 AM CDT on 10/17/2016.

All weights are estimated.

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Standard transit is the date and time the package is scheduled to be delivered by, based on the selected service, destination and ship date. Limitations and exceptions may apply. Please see the FedEx Service Guide for terms and conditions of service, including the FedEx Money-Back Guarantee, or contact your FedEx Customer Support representative.

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Thank you for your business.

---

**To:** Camp Hill State Correctional Inst Telephone: Not available

**Contact name:** Matthew Klopotek

---

**From:** Josh Baird (Tt)

---

**Date:** September 20, 2016

---

**Subject:** Sunoco Pipeline L.P. – Pennsylvania Pipeline Project Public Water Supply Coordination

---

A letter was sent to Matthew Klopotek at Camp Hill State Correctional Inst on September 20, 2016 requesting information regarding Public Water Supply (PWS) source(s) and/or facility(s) in location to the Pennsylvania Pipeline Project (Project) in order to assess any potential impacts to the PWS. An additional letter was sent with an updated project description on October 14, 2016.

A brief description of the Project was included as well a Site Map related to the location of the PWS in question.

Delivery confirmation indicated the initial letter was received on September 21, 2016, and the subsequent letter on October 17, 2016.

Received and email from Matthew Klopotek on 9/23/16 requesting additional mapping, which was sent via email on 9/23/16. Received an email on 10/17 from Howard Gouse expressing a finding of no impact.



September 20, 2016

**CAMP HILL STATE CORRECTIONAL INST  
2500 LISBURN RD  
Camp Hill, PA 17011**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project  
Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

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The following attachments are included for your review:

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If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



October 14, 2016

Dear Sir or Madam,

The enclosed letter is on behalf of Sunoco Pipeline, L.P. (SPLP), in regards to a previously delivered letter dated September 20, 2016 referencing the Chapter 105 Water Obstruction and Encroachments Permit for the Pennsylvania Pipeline Project (Project). In that letter the project description indicated the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. The Project also includes the installation of a 16-inch pipeline within the same previously described 306-mile, 50-foot-wide right-of-way (ROW). The intention of this letter is to clarify the two planned parallel pipelines. Routing and workspaces will not change from what was previously indicated.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird', written in a cursive style.

Joshua S. Baird

Tetra Tech, Inc.



October 14, 2016

**CAMP HILL STATE CORRECTIONAL INST  
2500 LISBURN RD  
Camp Hill, PA 17011**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project  
Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of two parallel pipelines within an approximately 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. A 20-inch diameter pipeline will be installed within the ROW from Houston to Marcus Hook (306 miles) and a second, 16-inch diameter pipeline, will also be installed in the same ROW. The second line is proposed to be installed from SPLP's Delmont Station, Westmoreland County, Pennsylvania to the Marcus Hook facility, paralleling the initial line for approximately 255 miles. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

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If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

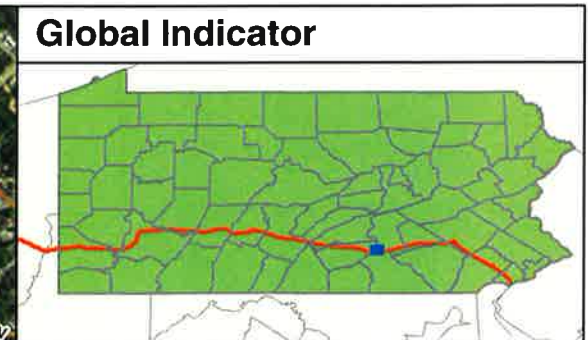
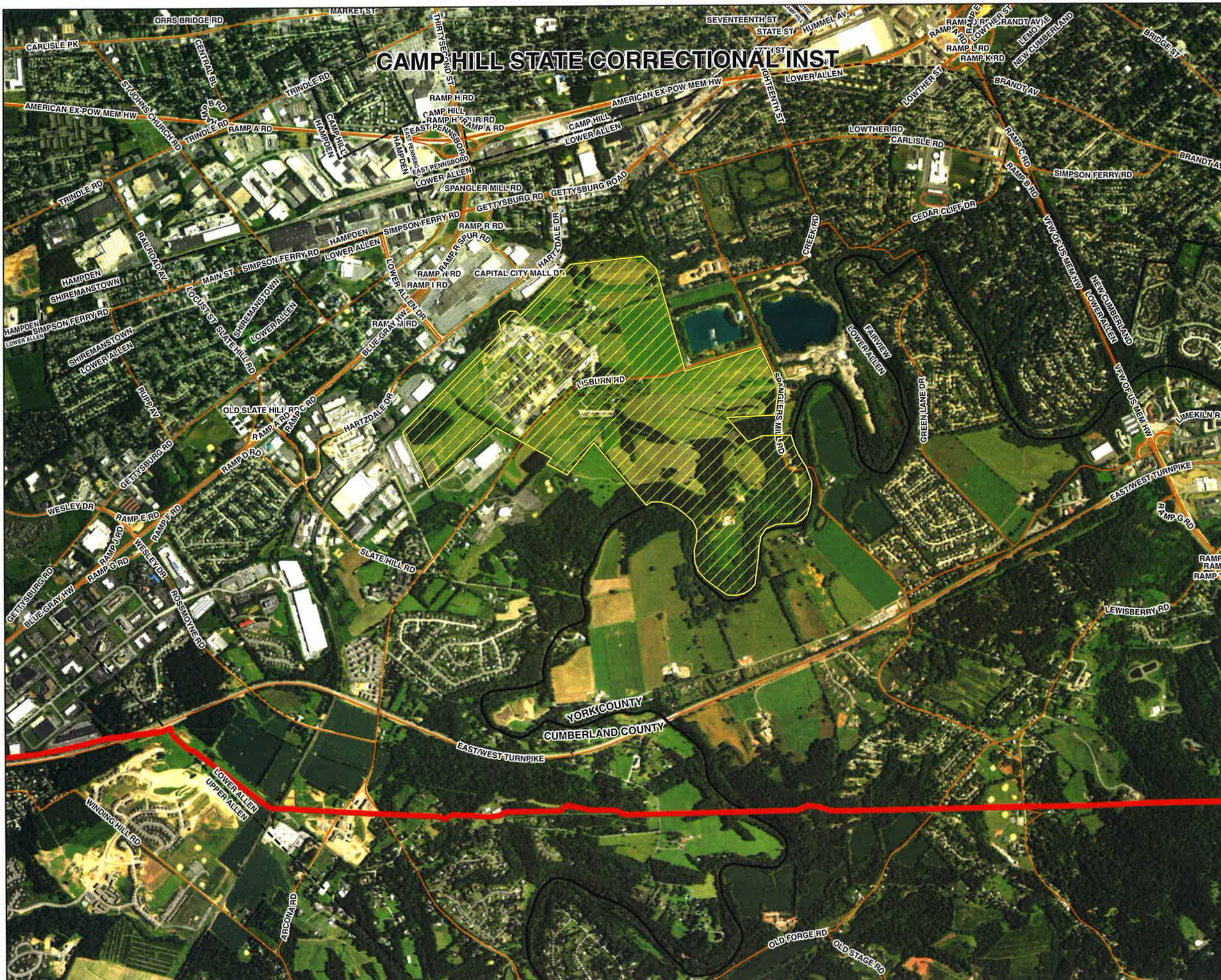
Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map

# CAMP HILL STATE CORRECTIONAL INST



### Legend

- Proposed Pipeline
- PA State Roads
- PA County
- PA Municipality
- Public Water Supply Area

**Sunoco PA Pipeline Project  
Public Water Supply Area**

0      1,500 Feet  
|-----|

Prepared For:

**Sunoco  
Pipeline L.P.**

Prepared By:	Date:
<b>TETRA TECH</b>	9/2016

Base Map:  
ESRI World Imagery, October 2011  
Coordinate System NAD 83  
Stateplane, PA South, Feet

**777276424580**

Ship date:  
**Tue 9/20/2016**



Actual delivery:  
**Wed 9/21/2016 8:52 am**

**TETRA TECH - HOME**  
JOSH BAIRD  
301 ELLICOTT STREET  
Buffalo, NY US 14203  
716 849-9419

**Delivered**

Signed for by: T.RECTOR



**Camp Hill State Correctional Inst**  
Sir/Madam  
2500 Lisburn Road  
CAMP HILL, PA US 17011  
717 737-4531

**Travel History**

Date/Time	Activity	Location
9/21/2016 - Wednesday		
8:52 am	Delivered	CAMP HILL, PA
8:50 am	Delivery exception Customer not available or business closed	MIDDLETOWN, PA
8:07 am	On FedEx vehicle for delivery	MIDDLETOWN, PA
7:51 am	At local FedEx facility	MIDDLETOWN, PA
4:48 am	At destination sort facility	MIDDLETOWN, PA
4:25 am	Departed FedEx location	NEWARK, NJ
12:11 am	Arrived at FedEx location	NEWARK, NJ
9/20/2016 - Tuesday		
7:28 pm	Picked up	CHEEKTOWAGA, NY
6:18 pm	Shipment information sent to FedEx	

**Shipment Facts**

<b>Tracking number</b>	777276424580	<b>Service</b>	FedEx Priority Overnight
<b>Weight</b>	0.5 lbs / 0.23 kgs	<b>Signature services</b>	Direct signature required
<b>Delivery attempts</b>	1	<b>Delivered To</b>	Mailroom
<b>Total pieces</b>	1	<b>Total shipment weight</b>	0.5 lbs / 0.23 kgs
<b>Terms</b>	Not Available	<b>Shipper reference</b>	112IC05958, 16
<b>Packaging</b>	FedEx Envelope	<b>Special handling section</b>	Deliver Weekday, Direct Signature Required
<b>Standard transit</b>	9/21/2016 by 10:30 am		

tracking number

United States - English



- Customer Focus**
  - New Customer Center
  - Small Business Center
  - Service Guide
  - Customer Support
- Company Information**
  - About FedEx
  - Careers
  - Investor Relations
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- FedEx TechConnect
- Healthcare Solutions
- Online Retail Solutions
- Packaging Services
- Ancillary Clearance Services
- FedEx Office
- FedEx Freight
- FedEx Custom Critical
- FedEx Trade Networks
- FedEx Cross Border
- FedEx SupplyChain

- Other Resources**
- FedEx Compatible
  - Developer Resource Center
  - FedEx Ship Manager Software

Ask FedEx

## Laviolette, Carrie

---

**From:** trackingupdates@fedex.com  
**Sent:** Monday, October 17, 2016 11:26 AM  
**To:** Laviolette, Carrie  
**Subject:** FedEx Shipment 777470701518 Delivered

## Your package has been delivered

Tracking # 777470701518

Ship date:  
**Fri, 10/14/2016**

**JOSH BAIRD**  
TETRA TECH -  
HOME  
Buffalo, NY 14203  
US



Delivery date:  
**Mon,**  
**10/17/2016**  
**11:24 am**

**Camp Hill State**  
**Correctional Inst.**  
2500 Lisburn Road  
CAMP HILL, PA  
17011  
US




### Shipment Facts

Our records indicate that the following package has been delivered.

<b>Tracking number:</b>	<a href="#">777470701518</a>
<b>Status:</b>	Delivered: 10/17/2016 11:24 AM Signed for By: J.JOHNSON
<b>Reference:</b>	112IC05958, 16
<b>Signed for by:</b>	J.JOHNSON
<b>Delivery location:</b>	CAMP HILL, PA
<b>Delivered to:</b>	Receptionist/Front Desk
<b>Service type:</b>	FedEx Standard Overnight
<b>Packaging type:</b>	FedEx Envelope
<b>Number of pieces:</b>	1
<b>Weight:</b>	0.50 lb.
<b>Special handling/Services:</b>	Adult Signature Required

Deliver Weekday

**Standard transit:** 10/17/2016 by 3:00  
pm

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Thank you for your business.

---

**To:** Cernarvon Twp Auth Telephone: 610-286-1017

**Contact name:** Robert Weaver

---

**From:** Josh Baird (Tt)

---

**Date:** September 20, 2016

---

**Subject:** Sunoco Pipeline L.P. – Pennsylvania Pipeline Project Public Water Supply Coordination

---

A letter was sent to Robert Weaver at Cernarvon Twp Auth on September 20, 2016 requesting information regarding Public Water Supply (PWS) source(s) and/or facility(s) in location to the Pennsylvania Pipeline Project (Project) in order to assess any potential impacts to the PWS. An additional letter was sent with an updated project description on October 14, 2016.

A brief description of the Project was included as well a Site Map related to the location of the PWS in question.

Delivery confirmation indicated the initial letter was received on September 21, 2016, and the subsequent letter on October 17, 2016.



September 20, 2016

**CAERNARVON TWP AUTH**  
**601 Hemlock Road**  
**Morgantown, PA 19543**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

As part of the PADEP permit requirements, we and Sunoco respectfully request your review of the Project's location as it relates to your Public Water Supply (PWS) source(s) and/or facility(s), and assess any potential impacts to the PWS. SPLP also requests the approximate location and/or name of the waterbody that is the water supply. If you require additional information and/or consultation pertaining to the Project, please contact Joshua Baird using the contact info listed below. **If further consultation is not initiated by October 6, SPLP will deem the Project in good standing as it relates to your PWS, and will proceed as planned.**

The following attachments are included for your review:

- Site Map showing the location of the proposed pipeline Project ROW as it relates to the Public Water Supply Areas obtained from the Pennsylvania Department of Environmental Protection's eMapPA application.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



October 14, 2016

Dear Sir or Madam,

The enclosed letter is on behalf of Sunoco Pipeline, L.P. (SPLP), in regards to a previously delivered letter dated September 20, 2016 referencing the Chapter 105 Water Obstruction and Encroachments Permit for the Pennsylvania Pipeline Project (Project). In that letter the project description indicated the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. The Project also includes the installation of a 16-inch pipeline within the same previously described 306-mile, 50-foot-wide right-of-way (ROW). The intention of this letter is to clarify the two planned parallel pipelines. Routing and workspaces will not change from what was previously indicated.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'J. Baird', with a stylized flourish at the end.

Joshua S. Baird

Tetra Tech, Inc.



October 14, 2016

**CAERNARVON TWP AUTH**  
**601 Hemlock Road**  
**Morgantown, PA 19543**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of two parallel pipelines within an approximately 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. A 20-inch diameter pipeline will be installed within the ROW from Houston to Marcus Hook (306 miles) and a second, 16-inch diameter pipeline, will also be installed in the same ROW. The second line is proposed to be installed from SPLP's Delmont Station, Westmoreland County, Pennsylvania to the Marcus Hook facility, paralleling the initial line for approximately 255 miles. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

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The following attachments are included for your review:

- Site Map showing the location of the proposed pipeline Project ROW as it relates to the Public Water Supply Areas obtained from the Pennsylvania Department of Environmental Protection's eMapPA application.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

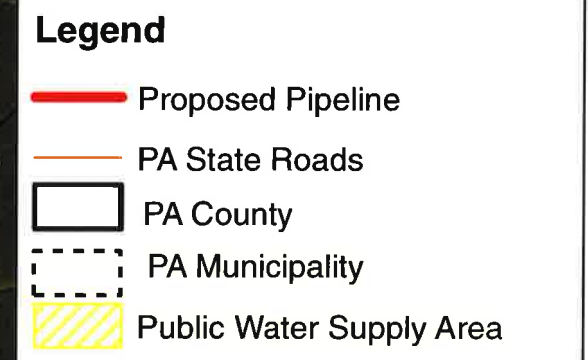
Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

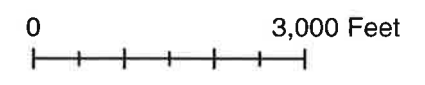
Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map

# CAERNARVON TWP WATER AUTHORITY



## Sunoco PA Pipeline Project Public Water Supply Area



Prepared For:  
 Sunoco Pipeline L.P.

Prepared By:  
 TETRA TECH

Date:  
9/2016

Base Map:  
 ESRI World Imagery, October 2011  
 Coordinate System NAD 83  
 Stateplane, PA South, Feet



## Laviolette, Carrie

---

**From:** trackingupdates@fedex.com  
**Sent:** Wednesday, September 21, 2016 12:05 PM  
**To:** Laviolette, Carrie  
**Subject:** FedEx Shipment 777275360523 Delivered

## Your package has been delivered

Tracking # [777275360523](#)

Ship date:  
**Tue, 9/20/2016**

**JOSH BAIRD**  
TETRA TECH -  
HOME  
Buffalo, NY 14203  
US



Delivery date:  
**Wed, 9/21/2016**  
**11:59 am**

**Robert Weaver**  
Caernarvon Township  
Authority  
601 Hemlock Road  
CAERNARVON, PA  
19543  
US




### Shipment Facts

Our records indicate that the following package has been delivered.

<b>Tracking number:</b>	<a href="#">777275360523</a>
<b>Status:</b>	Delivered: 09/21/2016 11:59 AM Signed for By: C.BOWMAN
<b>Reference:</b>	112IC05958, 16
<b>Signed for by:</b>	C.BOWMAN
<b>Delivery location:</b>	CAERNARVON, PA
<b>Delivered to:</b>	Receptionist/Front Desk
<b>Service type:</b>	FedEx Standard Overnight
<b>Packaging type:</b>	FedEx Envelope
<b>Number of pieces:</b>	1
<b>Weight:</b>	0.50 lb.
<b>Special handling/Services:</b>	Direct Signature Required

Deliver Weekday

**Standard transit:** 9/21/2016 by 4:30 pm

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 Service Guide  
 Customer Support

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**777470685070**

Ship date:  
**Fri 10/14/2016**

**TETRA TECH - HOME**  
 JOSH BAIRD  
 301 ELLICOTT STREET  
 Buffalo, NY US 14203  
 716 849-9419



**Delivered**

Signed for by: C.BOWMAN



Actual delivery:  
**Mon 10/17/2016 11:53 am**

Caernarvon Twp. Authority  
 601 Hemlock Road  
 MORGANTOWN, PA US 19543  
 716 849-9419

tracking number

United States - English

**Travel History**

Date/Time	Activity	Location
<b>10/17/2016 - Monday</b>		
11:53 am	Delivered	MORGANTOWN, PA
7:58 am	On FedEx vehicle for delivery	READING, PA
<b>10/15/2016 - Saturday</b>		
9:46 am	At local FedEx facility	READING, PA
9:45 am	Delivery exception Business closed - No delivery attempt	READING, PA
8:43 am	At local FedEx facility	READING, PA
8:43 am	At local FedEx facility Package not due for delivery	READING, PA
6:33 am	At destination sort facility	ALLENTOWN, PA
3:37 am	Departed FedEx location	MEMPHIS, TN
<b>10/14/2016 - Friday</b>		
11:21 pm	Arrived at FedEx location	MEMPHIS, TN
4:49 pm	Picked up	CHEEKTOWAGA, NY
10:09 am	Shipment information sent to FedEx	

Use | Security and Privacy

**Shipment Facts**

<b>Tracking number</b>	777470685070	<b>Service</b>	FedEx Standard Overnight
<b>Weight</b>	0.5 lbs / 0.23 kgs	<b>Signature services</b>	Adult signature required
<b>Delivery attempts</b>	1	<b>Delivered To</b>	Receptionist/Front Desk
<b>Total pieces</b>	1	<b>Total shipment weight</b>	0.5 lbs / 0.23 kgs
<b>Terms</b>	Not Available	<b>Shipper reference</b>	112IC05958, 16
<b>Packaging</b>	FedEx Envelope	<b>Special handling section</b>	Deliver Weekday, Adult Signature Required
<b>Standard transit</b>	10/17/2016 by 4:30 pm		

Ask FedEx

---

**To:** Chester Water Authority Telephone: 610-876-8185

**Contact name:** Robert Judge

---

**From:** Josh Baird (Tt)

---

**Date:** September 20, 2016

---

**Subject:** Sunoco Pipeline L.P. – Pennsylvania Pipeline Project Public Water Supply Coordination

---

A letter was sent to Robert Judge at Chester Water Authority on September 20, 2016 requesting information regarding Public Water Supply (PWS) source(s) and/or facility(s) in location to the Pennsylvania Pipeline Project (Project) in order to assess any potential impacts to the PWS. An additional letter was sent with an updated project description on October 14, 2016.

A brief description of the Project was included as well a Site Map related to the location of the PWS in question.

Delivery confirmation indicated the initial letter was received on September 21, 2016, and the subsequent letter on October 17, 2016.

Email received on 10/7/16 stating a Letter of No Objection had been signed.



September 20, 2016

**CHESTER WATER AUTHORITY**  
**P.O. Box 467/415 Welsh St.**  
**Chester, PA 19013**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

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Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



October 14, 2016

Dear Sir or Madam,

The enclosed letter is on behalf of Sunoco Pipeline, L.P. (SPLP), in regards to a previously delivered letter dated September 20, 2016 referencing the Chapter 105 Water Obstruction and Encroachments Permit for the Pennsylvania Pipeline Project (Project). In that letter the project description indicated the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. The Project also includes the installation of a 16-inch pipeline within the same previously described 306-mile, 50-foot-wide right-of-way (ROW). The intention of this letter is to clarify the two planned parallel pipelines. Routing and workspaces will not change from what was previously indicated.

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Joshua S. Baird

Tetra Tech, Inc.



October 14, 2016

**CHESTER WATER AUTHORITY**  
**P.O. Box 467/415 Welsh St.**  
**Chester, PA 19013**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

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Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.






Enclosures: Site Map



**Global Indicator**



**Legend**

-  Proposed Pipeline
-  PA State Roads
-  PA County
-  PA Municipality
-  Public Water Supply Area

**Sunoco PA Pipeline Project  
Public Water Supply Area**

0 12,000 Feet

Prepared For:




Prepared By:



Date:  
9/2016

Base Map;  
ESRI World Imagery, October 2011  
Coordinate System NAD 83  
Stateplane, PA South, Feet




## Laviolette, Carrie

---

**From:** trackingupdates@fedex.com  
**Sent:** Monday, October 17, 2016 9:10 AM  
**To:** Laviolette, Carrie  
**Subject:** FedEx Shipment 777470722733 Delivered

## Your package has been delivered

Tracking # 777470722733

Ship date: <b>Fri, 10/14/2016</b>	Delivery date: <b>Mon, 10/17/2016 9:06 am</b>	
<b>JOSH BAIRD</b> TETRA TECH - HOME Buffalo, NY 14203 US	 <b>Delivered</b>	<b>Chester Water Authority</b> 415 Welsh Street CHESTER, PA 19013 US

### Shipment Facts


Our records indicate that the following package has been delivered.

<b>Tracking number:</b>	<a href="#">777470722733</a>
<b>Status:</b>	Delivered: 10/17/2016 09:06 AM Signed for By: D.WELLS
<b>Reference:</b>	112IC05958, 16
<b>Signed for by:</b>	D.WELLS
<b>Delivery location:</b>	CHESTER, PA
<b>Delivered to:</b>	Receptionist/Front Desk
<b>Service type:</b>	FedEx Standard Overnight
<b>Packaging type:</b>	FedEx Envelope
<b>Number of pieces:</b>	1
<b>Weight:</b>	0.50 lb.
<b>Special handling/Services:</b>	Adult Signature Required



Deliver Weekday

**Standard transit:** 10/17/2016 by 3:00  
pm

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All weights are estimated.

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Thank you for your business.

---

**To:** Cornwall Boro Muni Auth Telephone: 717-274-5441

**Contact name:** Bob Henry

---

**From:** Josh Baird (Tt)

---

**Date:** September 20, 2016

---

**Subject:** Sunoco Pipeline L.P. – Pennsylvania Pipeline Project Public Water Supply Coordination

---

A letter was sent to Bob Henry at Cornwall Boro Muni Auth on September 20, 2016 requesting information regarding Public Water Supply (PWS) source(s) and/or facility(s) in location to the Pennsylvania Pipeline Project (Project) in order to assess any potential impacts to the PWS. An additional letter was sent with an updated project description on October 14, 2016.

A brief description of the Project was included as well a Site Map related to the location of the PWS in question.

Delivery confirmation indicated the initial letter was received on September 21, 2016, and the subsequent letter on October 17, 2016.

Received an email from Bard Henry on 10/4/16 requesting further consultation. Spoke with her on 10/7/16, Barb emailed a map. The authority signed a Letter of No Objection.



September 20, 2016

**CORNWALL BORO MUNI AUTH**  
**44 Rexmont Rd**  
**Lebanon, PA 17042**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

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Thank you for your timely response to this matter.

Sincerely,

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Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



October 14, 2016

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Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird', written in a cursive style.

Joshua S. Baird

Tetra Tech, Inc.



October 14, 2016

**CORNWALL BORO MUNI AUTH**  
**44 Rexmont Rd**  
**Lebanon, PA 17042**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of two parallel pipelines within an approximately 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. A 20-inch diameter pipeline will be installed within the ROW from Houston to Marcus Hook (306 miles) and a second, 16-inch diameter pipeline, will also be installed in the same ROW. The second line is proposed to be installed from SPLP's Delmont Station, Westmoreland County, Pennsylvania to the Marcus Hook facility, paralleling the initial line for approximately 255 miles. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

As part of the PADEP permit requirements, we and Sunoco respectfully request your review of the Project's location as it relates to your Public Water Supply (PWS) source(s) and/or facility(s), and assess any potential impacts to the PWS. SPLP also requests the approximate location and/or name of the waterbody that is the water supply. If you require additional information and/or consultation pertaining to the Project, please contact Joshua Baird using the contact info listed below. **If further consultation is not initiated by October 18, SPLP will deem the Project in good standing as it relates to your PWS, and will proceed as planned.**

The following attachments are included for your review:

- Site Map showing the location of the proposed pipeline Project ROW as it relates to the Public Water Supply Areas obtained from the Pennsylvania Department of Environmental Protection's eMapPA application.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map

# CORNWALL BORO MUNICIPAL AUTHORITY



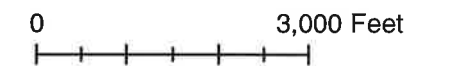
## Global Indicator



## Legend

- Proposed Pipeline
- PA State Roads
- PA County
- PA Municipality
- Public Water Supply Area

## Sunoco PA Pipeline Project Public Water Supply Area



Prepared For:



Prepared By:



Date:  
9/2016

Base Map;  
ESRI World Imagery, October 2011  
Coordinate System NAD 83  
Stateplane, PA South, Feet



## Laviolette, Carrie

---

**From:** trackingupdates@fedex.com  
**Sent:** Wednesday, September 21, 2016 12:12 PM  
**To:** Laviolette, Carrie  
**Subject:** FedEx Shipment 777275460949 Delivered

## Your package has been delivered

Tracking # 777275460949

Ship date:  
**Tue, 9/20/2016**

**JOSH BAIRD**  
TETRA TECH -  
HOME  
Buffalo, NY 14203  
US



Delivered

Delivery date:  
**Wed, 9/21/2016**  
**12:08 pm**

**Barb Henry**  
Cornwall Boro Muni  
Authority  
44 Rexmont Road  
LEBANON, PA 17042  
US




### Shipment Facts

Our records indicate that the following package has been delivered.

<b>Tracking number:</b>	<a href="#">777275460949</a>
<b>Status:</b>	Delivered: 09/21/2016 12:08 PM Signed for By: B.HENRY
<b>Reference:</b>	112IC05958, 16
<b>Signed for by:</b>	B.HENRY
<b>Delivery location:</b>	LEBANON, PA
<b>Delivered to:</b>	Receptionist/Front Desk
<b>Service type:</b>	FedEx Standard Overnight
<b>Packaging type:</b>	FedEx Envelope
<b>Number of pieces:</b>	1
<b>Weight:</b>	0.50 lb.
<b>Special handling/Services:</b>	Direct Signature Required

Deliver Weekday

**Standard transit:** 9/21/2016 by 3:00 pm

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 11:12 AM CDT on 09/21/2016.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Standard transit is the date and time the package is scheduled to be delivered by, based on the selected service, destination and ship date. Limitations and exceptions may apply. Please see the FedEx Service Guide for terms and conditions of service, including the FedEx Money-Back Guarantee, or contact your FedEx Customer Support representative.

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 Small Business Center  
 Service Guide  
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**777470739577**

Ship date:  
**Fri 10/14/2016**



**Delivered**

Signed for by: T. ENGLER



**TETRA TECH - HOME**  
 JOSH BAIRD  
 301 ELLICOTT STREET  
 Buffalo, NY US 14203  
 716 849-9419

Actual delivery:  
**Mon 10/17/2016 12:19 pm**

Cornwall Boro. Muni. Authority  
 44 Rexmont Road  
 LEBANON, PA US 17042  
 716 849-9419

tracking number

United States - English

**Travel History**

Date/Time	Activity	Location
<b>10/17/2016 - Monday</b>		
12:19 pm	Delivered	LEBANON, PA
8:04 am	On FedEx vehicle for delivery	MIDDLETOWN, PA
7:08 am	At local FedEx facility	MIDDLETOWN, PA
<b>10/15/2016 - Saturday</b>		
8:08 am	At local FedEx facility Package not due for delivery	MIDDLETOWN, PA
8:08 am	At local FedEx facility	MIDDLETOWN, PA
6:50 am	At destination sort facility	MIDDLETOWN, PA
4:01 am	Departed FedEx location	MEMPHIS, TN
<b>10/14/2016 - Friday</b>		
11:21 pm	Arrived at FedEx location	MEMPHIS, TN
4:49 pm	Picked up	CHEEKTOWAGA, NY
10:17 am	Shipment information sent to FedEx	

Use | Security and Privacy

**Shipment Facts**

<b>Tracking number</b>	777470739577	<b>Service</b>	FedEx Standard Overnight
<b>Weight</b>	0.5 lbs / 0.23 kgs	<b>Signature services</b>	Adult signature required
<b>Delivery attempts</b>	1	<b>Delivered To</b>	Receptionist/Front Desk
<b>Total pieces</b>	1	<b>Total shipment weight</b>	0.5 lbs / 0.23 kgs
<b>Terms</b>	Not Available	<b>Shipper reference</b>	112IC05958, 16
<b>Packaging</b>	FedEx Envelope	<b>Special handling section</b>	Deliver Weekday, Adult Signature Required
<b>Standard transit</b>	10/17/2016 by 3:00 pm		

Ask FedEx

---

**To:** Country View Est Telephone: 717-776-7109

**Contact name:** John D Walter

---

**From:** Josh Baird (Tt)

---

**Date:** September 20, 2016

---

**Subject:** Sunoco Pipeline L.P. – Pennsylvania Pipeline Project Public Water Supply Coordination

---

A letter was sent to John D Walter at Country View Est on September 20, 2016 requesting information regarding Public Water Supply (PWS) source(s) and/or facility(s) in location to the Pennsylvania Pipeline Project (Project) in order to assess any potential impacts to the PWS. An additional letter was sent with an updated project description on October 14, 2016.

A brief description of the Project was included as well a Site Map related to the location of the PWS in question.

Delivery confirmation indicated the initial letter was received on September 23, 2016, and the subsequent letter on October 19, 2016.

Received a call on 9/23/16 from Mr. Walter, verbally stating no impact, but was going to review the package when he received it.



September 20, 2016

**COUNTRY VIEW EST  
Po Box 175/  
Newville, PA 17241**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project  
Public Water Supply Coordination**

Dear Sir or Madam,

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Thank you for your timely response to this matter.

Sincerely,

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Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



October 14, 2016

Dear Sir or Madam,

The enclosed letter is on behalf of Sunoco Pipeline, L.P. (SPLP), in regards to a previously delivered letter dated September 20, 2016 referencing the Chapter 105 Water Obstruction and Encroachments Permit for the Pennsylvania Pipeline Project (Project). In that letter the project description indicated the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. The Project also includes the installation of a 16-inch pipeline within the same previously described 306-mile, 50-foot-wide right-of-way (ROW). The intention of this letter is to clarify the two planned parallel pipelines. Routing and workspaces will not change from what was previously indicated.

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Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'J. Baird', with a stylized flourish at the end.

Joshua S. Baird

Tetra Tech, Inc.



October 14, 2016

**COUNTRY VIEW EST**  
**Po Box 175/**  
**Newville, PA 17241**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

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Joshua S. Baird  
Tetra Tech, Inc.






Enclosures: Site Map

# COUNTRY VIEW ESTATES MHP

## Global Indicator



## Legend

-  Proposed Pipeline
-  PA State Roads
-  PA County
-  PA Municipality
-  Public Water Supply Area

## Sunoco PA Pipeline Project Public Water Supply Area



Prepared For:



Prepared By:



Date:  
9/2016

Base Map:  
ESRI World Imagery, October 2011  
Coordinate System NAD 83  
Stateplane, PA South, Feet



UPPER FRANKFORD  
LOWER FRANKFORD

UPPER FRANKFORD  
WEST PENNSBORO

LOWER FRANKFORD  
WEST PENNSBORO



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Track & Manage

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Business

International

Help

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Tracking Number: **EL524876538US**



## Delivered

On Time

Updated Delivery Day: **Friday, September 23, 2016**

Scheduled Delivery Day: **Friday, September 23, 2016, 3:00 pm**

Money Back Guarantee

Signed for By: **J WALTER // NEWVILLE, PA 17241 // 9:40 am**

## Product & Tracking Information

**Postal Product:**

Priority Mail Express 2-Day™

**Features:**

Insured PO to Addressee  
Up to \$100 insurance included  
Restrictions Apply

## Available Actions

[Proof of Delivery](#)

DATE & TIME	STATUS OF ITEM	LOCATION
<b>September 23, 2016 , 9:40 am</b>	<b>Delivered</b>	<b>NEWVILLE, PA 17241</b>
Your item was delivered at 9:40 am on September 23, 2016 in NEWVILLE, PA 17241. The item was signed for by J WALTER.		
September 23, 2016 , 8:28 am	Available for Pickup	NEWVILLE, PA 17241
September 23, 2016 , 8:17 am	Out for Delivery	NEWVILLE, PA 17241
September 23, 2016 , 8:07 am	Sorting Complete	NEWVILLE, PA 17241
September 23, 2016 , 5:32 am	Arrived at Post Office	NEWVILLE, PA 17241
September 23, 2016 , 4:54 am	Departed USPS Facility	HARRISBURG, PA 17107
September 22, 2016 , 8:12 am	Arrived at USPS Destination Facility	HARRISBURG, PA 17107

September 21, 2016 , 6:13 pm	Arrived at USPS Origin Facility	BUFFALO, NY 14240
September 21, 2016 , 1:28 pm	Acceptance	BUFFALO, NY 14203

## Track Another Package

Tracking (or receipt) number

## Manage Incoming Packages

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- [Terms of Use](#)
- [FOIA](#)
- [No FEAR Act EEO Data](#)

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# Country View Estates – PWS Delivery Confirmation

Tracking Number: 9505516150686291025194

 **Delivered**

**On Time**  
Updated Delivery Day: Wednesday, October 19, 2016 ⓘ

### Product & Tracking Information

Postal Product: Priority Mail™      Features: Insured      USPS Tracking®

DATE & TIME	STATUS OF ITEM	LOCATION
October 19, 2016 , 8:28 am	Delivered	NEWVILLE, PA 17241
Your item was delivered at 8:28 am on October 19, 2016 in NEWVILLE, PA 17241.		
October 19, 2016 , 8:26 am	Available for Pickup	NEWVILLE, PA 17241
October 19, 2016 , 6:40 am	Arrived at Post Office	NEWVILLE, PA 17241
October 19, 2016 , 4:41 am	Departed USPS Facility	HARRISBURG, PA 17107
October 18, 2016 , 1:28 pm	Arrived at USPS Facility	HARRISBURG, PA 17107
October 18, 2016 , 7:40 am	Departed USPS Facility	ROCHESTER, NY 14606
October 17, 2016 , 10:07 pm	Arrived at USPS Origin Facility	ROCHESTER, NY 14606
October 17, 2016 , 7:33 pm	Departed Post Office	BUFFALO, NY 14203
October 17, 2016 , 1:41 pm	Acceptance	BUFFALO, NY 14203

### Available Actions


- Text Updates
- Email Updates

### Track Another Package

Tracking (or receipt) number

### Manage Incoming Packages

Track all your packages from a dashboard.  
No tracking numbers necessary.

[Sign up for My USPS](#) 

---

**To:** Creek View Mobile Home Commun Telephone: 717-245-2100

**Contact name:** Justin Neidlinger

---

**From:** Josh Baird (Tt)

---

**Date:** September 20, 2016

---

**Subject:** Sunoco Pipeline L.P. – Pennsylvania Pipeline Project Public Water Supply Coordination

---

A letter was sent to Justin Neidlinger at Creek View Mobile Home Commun on September 20, 2016 requesting information regarding Public Water Supply (PWS) source(s) and/or facility(s) in location to the Pennsylvania Pipeline Project (Project) in order to assess any potential impacts to the PWS. An additional letter was sent with an updated project description on October 14, 2016.

A brief description of the Project was included as well a Site Map related to the location of the PWS in question.

Delivery confirmation indicated the initial letter was received on September 21, 2016, and the subsequent letter on October 18, 2016.



September 20, 2016

**CREEK VIEW MOBILE HOME COMMUN**  
**493 Potato Road**  
**Carlisle, PA 17013**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

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Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



October 14, 2016

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Thank you for your timely response to this matter.

Sincerely,

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Joshua S. Baird

Tetra Tech, Inc.



October 14, 2016

**CREEK VIEW MOBILE HOME COMMUN**  
**493 Potato Road**  
**Carlisle, PA 17013**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

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Joshua S. Baird  
Tetra Tech, Inc.






Enclosures: Site Map

# CREEK MOBILE HOME COMMUNITY

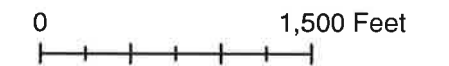
## Global Indicator



## Legend

-  Proposed Pipeline
-  PA State Roads
-  PA County
-  PA Municipality
-  Public Water Supply Area

## Sunoco PA Pipeline Project Public Water Supply Area



Prepared For:



Prepared By:



Date:

9/2016

Base Map;  
ESRI World Imagery, October 2011  
Coordinate System NAD 83  
Stateplane, PA South, Feet



## Laviolette, Carrie

---

**From:** trackingupdates@fedex.com  
**Sent:** Wednesday, September 21, 2016 12:23 PM  
**To:** Laviolette, Carrie  
**Subject:** FedEx Shipment 777275498508 Delivered

## Your package has been delivered

Tracking # 777275498508

Ship date:  
**Tue, 9/20/2016**

**JOSH BAIRD**  
TETRA TECH -  
HOME  
Buffalo, NY 14203  
US



Delivered

Delivery date:  
**Wed, 9/21/2016**  
**12:12 pm**

**Justin Neidlinger**  
Creek View Mobile  
Home Community  
493 Potato Road  
CARLISLE, PA  
17013  
US



### Shipment Facts


Our records indicate that the following package has been delivered.

<b>Tracking number:</b>	<a href="#">777275498508</a>
<b>Status:</b>	Delivered: 09/21/2016 12:12 PM Signed for By: L.JOHN
<b>Reference:</b>	112IC05958, 16
<b>Signed for by:</b>	L.JOHN
<b>Delivery location:</b>	CARLISLE, PA
<b>Delivered to:</b>	Residence
<b>Service type:</b>	FedEx Standard Overnight
<b>Packaging type:</b>	FedEx Envelope
<b>Number of pieces:</b>	1
<b>Weight:</b>	0.50 lb.
<b>Special handling/Services:</b>	Direct Signature Required

Deliver Weekday

Residential Delivery

**Standard transit:** 9/21/2016 by 8:00 pm

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 11:22 AM CDT on 09/21/2016.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

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Thank you for your business.

**777470764020**

Ship date:  
**Fri 10/14/2016**

Actual delivery:  
**Tue 10/18/2016 11:25 am**



**Delivered**

Signed for by: L.JOHN



**TETRA TECH - HOME**  
JOSH BAIRD  
301 ELLICOTT STREET  
Buffalo, NY US 14203  
716 849-9419

Creek View Mobile Home  
Community  
493 Potato Road  
CARLISLE, PA US 17013  
716 849-9419



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tracking number

United States - English

**Travel History**

Date/Time	Activity	Location
<b>10/18/2016 - Tuesday</b>		
11:25 am	Delivered	CARLISLE, PA
8:22 am	On FedEx vehicle for delivery	MIDDLETOWN, PA
7:34 am	At local FedEx facility	MIDDLETOWN, PA
<b>10/17/2016 - Monday</b>		
3:18 pm	At local FedEx facility	MIDDLETOWN, PA
1:11 pm	Delivery exception Customer not available or business closed	MIDDLETOWN, PA
7:55 am	On FedEx vehicle for delivery	MIDDLETOWN, PA
7:41 am	At local FedEx facility	MIDDLETOWN, PA
<b>10/15/2016 - Saturday</b>		
8:13 am	At local FedEx facility Package not due for delivery	MIDDLETOWN, PA
8:13 am	At local FedEx facility	MIDDLETOWN, PA
6:50 am	At destination sort facility	MIDDLETOWN, PA
4:01 am	Departed FedEx location	MEMPHIS, TN
<b>10/14/2016 - Friday</b>		
11:21 pm	Arrived at FedEx location	MEMPHIS, TN
4:49 pm	Picked up	CHEEKTOWAGA, NY
10:18 am	Shipment information sent to FedEx	

Use | Security and Privacy

**Shipment Facts**

<b>Tracking number</b>	777470764020	<b>Service</b>	FedEx Standard Overnight
<b>Door tag number</b>	DT103772499853	<b>Weight</b>	0.5 lbs / 0.23 kgs
<b>Signature services</b>	Adult signature required	<b>Delivery attempts</b>	2
<b>Delivered To</b>	Receptionist/Front Desk	<b>Total pieces</b>	1
<b>Total shipment weight</b>	0.5 lbs / 0.23 kgs	<b>Terms</b>	Not Available
<b>Shipper reference</b>	112IC05958, 16	<b>Packaging</b>	FedEx Envelope
<b>Special handling section</b>	Deliver Weekday, Residential Delivery, Adult Signature Required	<b>Standard transit</b>	10/17/2016 by 8:00 pm

Ask FedEx

---

**To:** Cresson Boro Water Sys Telephone: 814-886-2139

**Contact name:** Joseph Pupo

---

**From:** Josh Baird (Tt)

---

**Date:** September 20, 2016

---

**Subject:** Sunoco Pipeline L.P. – Pennsylvania Pipeline Project Public Water Supply Coordination

---

A letter was sent to Joseph Pupo at Cresson Boro Water Sys on September 20, 2016 requesting information regarding Public Water Supply (PWS) source(s) and/or facility(s) in location to the Pennsylvania Pipeline Project (Project) in order to assess any potential impacts to the PWS. An additional letter was sent with an updated project description on October 14, 2016.

A brief description of the Project was included as well a Site Map related to the location of the PWS in question.

Delivery confirmation indicated the initial letter was received on September 21, 2016, and the subsequent letter on October 17, 2016.



September 20, 2016

**CRESSON BORO WATER SYS**  
**631 Second St**  
**Cresson, PA 16630**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

As part of the PADEP permit requirements, we and Sunoco respectfully request your review of the Project's location as it relates to your Public Water Supply (PWS) source(s) and/or facility(s), and assess any potential impacts to the PWS. SPLP also requests the approximate location and/or name of the waterbody that is the water supply. If you require additional information and/or consultation pertaining to the Project, please contact Joshua Baird using the contact info listed below. **If further consultation is not initiated by October 6, SPLP will deem the Project in good standing as it relates to your PWS, and will proceed as planned.**

The following attachments are included for your review:

- Site Map showing the location of the proposed pipeline Project ROW as it relates to the Public Water Supply Areas obtained from the Pennsylvania Department of Environmental Protection's eMapPA application.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



October 14, 2016

Dear Sir or Madam,

The enclosed letter is on behalf of Sunoco Pipeline, L.P. (SPLP), in regards to a previously delivered letter dated September 20, 2016 referencing the Chapter 105 Water Obstruction and Encroachments Permit for the Pennsylvania Pipeline Project (Project). In that letter the project description indicated the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. The Project also includes the installation of a 16-inch pipeline within the same previously described 306-mile, 50-foot-wide right-of-way (ROW). The intention of this letter is to clarify the two planned parallel pipelines. Routing and workspaces will not change from what was previously indicated.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird', written in a cursive style.

Joshua S. Baird

Tetra Tech, Inc.



October 14, 2016

**CRESSON BORO WATER SYS**  
**631 Second St**  
**Cresson, PA 16630**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of two parallel pipelines within an approximately 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. A 20-inch diameter pipeline will be installed within the ROW from Houston to Marcus Hook (306 miles) and a second, 16-inch diameter pipeline, will also be installed in the same ROW. The second line is proposed to be installed from SPLP's Delmont Station, Westmoreland County, Pennsylvania to the Marcus Hook facility, paralleling the initial line for approximately 255 miles. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

As part of the PADEP permit requirements, we and Sunoco respectfully request your review of the Project's location as it relates to your Public Water Supply (PWS) source(s) and/or facility(s), and assess any potential impacts to the PWS. SPLP also requests the approximate location and/or name of the waterbody that is the water supply. If you require additional information and/or consultation pertaining to the Project, please contact Joshua Baird using the contact info listed below. **If further consultation is not initiated by October 18, SPLP will deem the Project in good standing as it relates to your PWS, and will proceed as planned.**

The following attachments are included for your review:

- Site Map showing the location of the proposed pipeline Project ROW as it relates to the Public Water Supply Areas obtained from the Pennsylvania Department of Environmental Protection's eMapPA application.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map

# CRESSON BORO WATER SYS



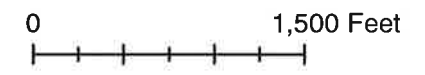
## Global Indicator



## Legend

- Proposed Pipeline
- PA State Roads
- PA County
- PA Municipality
- Public Water Supply Area

### Sunoco PA Pipeline Project Public Water Supply Area



Prepared For:



Prepared By:



Date:

9/2016

Base Map;  
ESRI World Imagery, October 2011  
Coordinate System NAD 83  
Stateplane, PA South, Feet



## Laviolette, Carrie

---

**From:** trackingupdates@fedex.com  
**Sent:** Wednesday, September 21, 2016 10:48 AM  
**To:** Laviolette, Carrie  
**Subject:** FedEx Shipment 777275588750 Delivered

## Your package has been delivered

Tracking # 777275588750

Ship date:  
**Tue, 9/20/2016**

**JOSH BAIRD**  
TETRA TECH -  
HOME  
Buffalo, NY 14203  
US



Delivery date:  
**Wed, 9/21/2016**  
**10:44 am**

**Joseph Pupo**  
Cresson Boro Water  
Sys  
631 Second Street  
CRESSON, PA  
16630  
US




### Shipment Facts

Our records indicate that the following package has been delivered.

<b>Tracking number:</b>	<a href="#">777275588750</a>
<b>Status:</b>	Delivered: 09/21/2016 10:44 AM Signed for By: J.EAGER
<b>Reference:</b>	112IC05958, 16
<b>Signed for by:</b>	J.EAGER
<b>Delivery location:</b>	CRESSON, PA
<b>Delivered to:</b>	Receptionist/Front Desk
<b>Service type:</b>	FedEx Standard Overnight
<b>Packaging type:</b>	FedEx Envelope
<b>Number of pieces:</b>	1
<b>Weight:</b>	0.50 lb.
<b>Special handling/Services:</b>	Direct Signature Required

Deliver Weekday

**Standard transit:** 9/21/2016 by 4:30 pm

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 9:48 AM CDT on 09/21/2016.

All weights are estimated.

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Thank you for your business.

**From:** [Lavolette, Carrie](#)  
**To:** [Grosse, Nate](#)  
**Subject:** FW: FedEx Shipment 777470776744 Delivered  
**Date:** Friday, November 18, 2016 8:02:25 AM

**From:** trackingupdates@fedex.com [mailto:trackingupdates@fedex.com]  
**Sent:** Monday, October 17, 2016 10:49 AM  
**To:** Lavolette, Carrie <Carrie.Lavolette@tetrattech.com>  
**Subject:** FedEx Shipment 777470776744 Delivered

FedEx®

## Your package has been delivered

Tracking # [777470776744](#)

Ship date:  
**Fri, 10/14/2016**

**JOSH BAIRD**  
TETRA TECH -  
HOME  
Buffalo, NY 14203  
US



Delivered

Delivery date:  
**Mon,**  
**10/17/2016**  
**10:42 am**

**Cresson Boro.**  
**Water Systems**  
631 Second Street  
CRESSON, PA  
16630  
US

### Shipment Facts

Our records indicate that the following package has been delivered.

<b>Tracking number:</b>	<a href="#">777470776744</a>
<b>Status:</b>	Delivered: 10/17/2016 10:42 AM Signed for By: R.SOSSION
<b>Reference:</b>	112IC05958, 16
<b>Signed for by:</b>	R.SOSSION
<b>Delivery location:</b>	CRESSON, PA
<b>Delivered to:</b>	Receptionist/Front Desk
<b>Service type:</b>	FedEx Standard Overnight
<b>Packaging type:</b>	FedEx Envelope
<b>Number of pieces:</b>	1
<b>Weight:</b>	0.50 lb.
<b>Special</b>	Adult Signature

**handling/Services:** Required

Deliver Weekday

**Standard transit:** 10/17/2016 by 4:30  
pm

Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 9:48 AM CDT on 10/17/2016.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

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Thank you for your business.

---

**To:** Cresson Twp Muni Auth Telephone: 814-886-2793

**Contact name:** Veronica Harkins

---

**From:** Josh Baird (Tt)

---

**Date:** September 20, 2016

---

**Subject:** Sunoco Pipeline L.P. – Pennsylvania Pipeline Project Public Water Supply Coordination

---

A letter was sent to Veronica Harkins at Cresson Twp Muni Auth on September 20, 2016 requesting information regarding Public Water Supply (PWS) source(s) and/or facility(s) in location to the Pennsylvania Pipeline Project (Project) in order to assess any potential impacts to the PWS. An additional letter was sent with an updated project description on October 14, 2016.

A brief description of the Project was included as well a Site Map related to the location of the PWS in question.

Delivery confirmation indicated the initial letter was received on September 21, 2016, and the subsequent letter on October 17, 2016.



September 20, 2016

**CRESSON TWP MUNI AUTH**  
**730 Portage Rd**  
**Cresson, PA 16630**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

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The following attachments are included for your review:

- Site Map showing the location of the proposed pipeline Project ROW as it relates to the Public Water Supply Areas obtained from the Pennsylvania Department of Environmental Protection's eMapPA application.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



October 14, 2016

Dear Sir or Madam,

The enclosed letter is on behalf of Sunoco Pipeline, L.P. (SPLP), in regards to a previously delivered letter dated September 20, 2016 referencing the Chapter 105 Water Obstruction and Encroachments Permit for the Pennsylvania Pipeline Project (Project). In that letter the project description indicated the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. The Project also includes the installation of a 16-inch pipeline within the same previously described 306-mile, 50-foot-wide right-of-way (ROW). The intention of this letter is to clarify the two planned parallel pipelines. Routing and workspaces will not change from what was previously indicated.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird', written in a cursive style.

Joshua S. Baird

Tetra Tech, Inc.



October 14, 2016

**CRESSON TWP MUNI AUTH**  
**730 Portage Rd**  
**Cresson, PA 16630**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of two parallel pipelines within an approximately 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. A 20-inch diameter pipeline will be installed within the ROW from Houston to Marcus Hook (306 miles) and a second, 16-inch diameter pipeline, will also be installed in the same ROW. The second line is proposed to be installed from SPLP's Delmont Station, Westmoreland County, Pennsylvania to the Marcus Hook facility, paralleling the initial line for approximately 255 miles. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

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The following attachments are included for your review:

- Site Map showing the location of the proposed pipeline Project ROW as it relates to the Public Water Supply Areas obtained from the Pennsylvania Department of Environmental Protection's eMapPA application.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

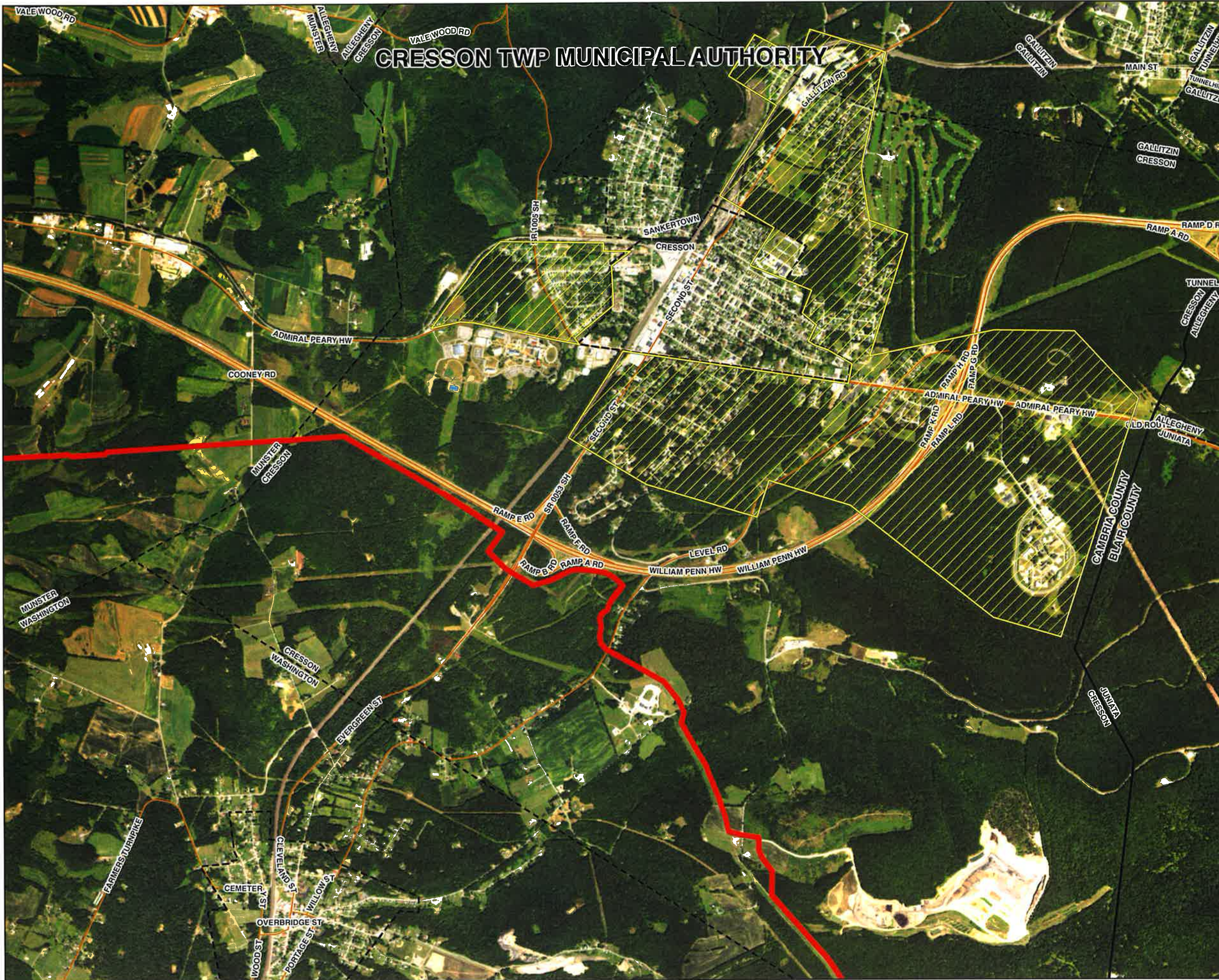
Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map








# CRESSON TWP MUNICIPAL AUTHORITY

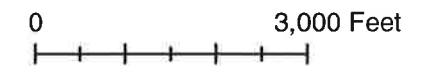
## Global Indicator



## Legend

-  Proposed Pipeline
-  PA State Roads
-  PA County
-  PA Municipality
-  Public Water Supply Area

### Sunoco PA Pipeline Project Public Water Supply Area



Prepared For:



Prepared By:



Date:  
9/2016

Base Map;  
ESRI World Imagery, October 2011  
Coordinate System NAD 83  
Stateplane, PA South, Feet



## Laviolette, Carrie

---

**From:** trackingupdates@fedex.com  
**Sent:** Wednesday, September 21, 2016 10:27 AM  
**To:** Laviolette, Carrie  
**Subject:** FedEx Shipment 777275606123 Delivered

## Your package has been delivered

Tracking # 777275606123

Ship date:  
**Tue, 9/20/2016**

**JOSH BAIRD**  
TETRA TECH -  
HOME  
Buffalo, NY 14203  
US



Delivery date:  
**Wed, 9/21/2016**  
**10:20 am**

**Veronica Harkins**  
Cresson Twp. Muni.  
Authority  
730 Portage Road  
CRESSON, PA  
16630  
US



### Shipment Facts


Our records indicate that the following package has been delivered.

<b>Tracking number:</b>	<a href="#">777275606123</a>
<b>Status:</b>	Delivered: 09/21/2016 10:20 AM Signed for By: B.STRITTMATTER
<b>Reference:</b>	112IC05958, 16
<b>Signed for by:</b>	B.STRITTMATTER
<b>Delivery location:</b>	CRESSON, PA
<b>Delivered to:</b>	Receptionist/Front Desk
<b>Service type:</b>	FedEx Standard Overnight
<b>Packaging type:</b>	FedEx Envelope
<b>Number of pieces:</b>	1
<b>Weight:</b>	0.50 lb.

<b>Special handling/Services:</b>	Direct Signature Required
-----------------------------------	---------------------------

Deliver Weekday

<b>Standard transit:</b>	9/21/2016 by 4:30 pm
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 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 9:26 AM CDT on 09/21/2016.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Standard transit is the date and time the package is scheduled to be delivered by, based on the selected service, destination and ship date. Limitations and exceptions may apply. Please see the FedEx Service Guide for terms and conditions of service, including the FedEx Money-Back Guarantee, or contact your FedEx Customer Support representative.

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**777470792236**

Ship date:  
**Fri 10/14/2016**



**Delivered**

Signed for by: B.STRITTMATTER



**TETRA TECH - HOME**  
 JOSH BAIRD  
 301 ELLICOTT STREET  
 Buffalo, NY US 14203  
 716 849-9419

Actual delivery:  
**Mon 10/17/2016 1:10 pm**

Cresson Twp. Muni. Authority  
 730 Portage Road  
 CRESSON, PA US 16630  
 716 849-9419

tracking number

United States - English

**Travel History**

Date/Time	Activity	Location
<b>10/17/2016 - Monday</b>		
1:10 pm	Delivered	CRESSON, PA
12:15 pm	Delivery exception Adult recipient unavailable (age and required identification vary by country)	DUNCANSVILLE, PA
8:21 am	On FedEx vehicle for delivery	DUNCANSVILLE, PA
<b>10/15/2016 - Saturday</b>		
9:25 am	At local FedEx facility	DUNCANSVILLE, PA
6:23 am	At destination sort facility	MOON TOWNSHIP, PA
4:27 am	In transit	MEMPHIS, TN
3:56 am	Departed FedEx location	MEMPHIS, TN
<b>10/14/2016 - Friday</b>		
11:21 pm	Arrived at FedEx location	MEMPHIS, TN
4:49 pm	Picked up	CHEEKTOWAGA, NY
10:20 am	Shipment information sent to FedEx	

Use | Security and Privacy

**Shipment Facts**

<b>Tracking number</b>	777470792236	<b>Service</b>	FedEx Standard Overnight
<b>Door tag number</b>	DT104448996347	<b>Weight</b>	0.5 lbs / 0.23 kgs
<b>Signature services</b>	Adult signature required	<b>Delivery attempts</b>	1
<b>Delivered To</b>	Receptionist/Front Desk	<b>Total pieces</b>	1
<b>Total shipment weight</b>	0.5 lbs / 0.23 kgs	<b>Terms</b>	Not Available
<b>Shipper reference</b>	112IC05958, 16	<b>Packaging</b>	FedEx Envelope
<b>Special handling section</b>	Deliver Weekday, Adult Signature Required	<b>Standard transit</b>	10/17/2016 by 4:30 pm

Ask FedEx

---

**To:** Croyle Twp Water Auth Telephone: 814-495-9009

**Contact name:** Fred Meier

---

**From:** Josh Baird (Tt)

---

**Date:** September 20, 2016

---

**Subject:** Sunoco Pipeline L.P. – Pennsylvania Pipeline Project Public Water Supply Coordination

---

A letter was sent to Fred Meier at Croyle Twp Water Auth on September 20, 2016 requesting information regarding Public Water Supply (PWS) source(s) and/or facility(s) in location to the Pennsylvania Pipeline Project (Project) in order to assess any potential impacts to the PWS. An additional letter was sent with an updated project description on October 14, 2016.

A brief description of the Project was included as well a Site Map related to the location of the PWS in question.

Delivery confirmation indicated the initial letter was received on September 23, 2016, and the subsequent letter on October 19, 2016.

Missed call received from POC on 9/21. Return message was left on 9/21/16 for POC.



September 20, 2016

**CROYLE TWP WATER AUTH  
Po Box 249  
Summerhill, PA 15958**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project  
Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

As part of the PADEP permit requirements, we and Sunoco respectfully request your review of the Project's location as it relates to your Public Water Supply (PWS) source(s) and/or facility(s), and assess any potential impacts to the PWS. SPLP also requests the approximate location and/or name of the waterbody that is the water supply. If you require additional information and/or consultation pertaining to the Project, please contact Joshua Baird using the contact info listed below. **If further consultation is not initiated by October 6, SPLP will deem the Project in good standing as it relates to your PWS, and will proceed as planned.**

The following attachments are included for your review:

- Site Map showing the location of the proposed pipeline Project ROW as it relates to the Public Water Supply Areas obtained from the Pennsylvania Department of Environmental Protection's eMapPA application.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



October 14, 2016

Dear Sir or Madam,

The enclosed letter is on behalf of Sunoco Pipeline, L.P. (SPLP), in regards to a previously delivered letter dated September 20, 2016 referencing the Chapter 105 Water Obstruction and Encroachments Permit for the Pennsylvania Pipeline Project (Project). In that letter the project description indicated the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. The Project also includes the installation of a 16-inch pipeline within the same previously described 306-mile, 50-foot-wide right-of-way (ROW). The intention of this letter is to clarify the two planned parallel pipelines. Routing and workspaces will not change from what was previously indicated.

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Sincerely,

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Joshua S. Baird

Tetra Tech, Inc.



October 14, 2016

**CROYLE TWP WATER AUTH**  
**Po Box 249**  
**Summerhill, PA 15958**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

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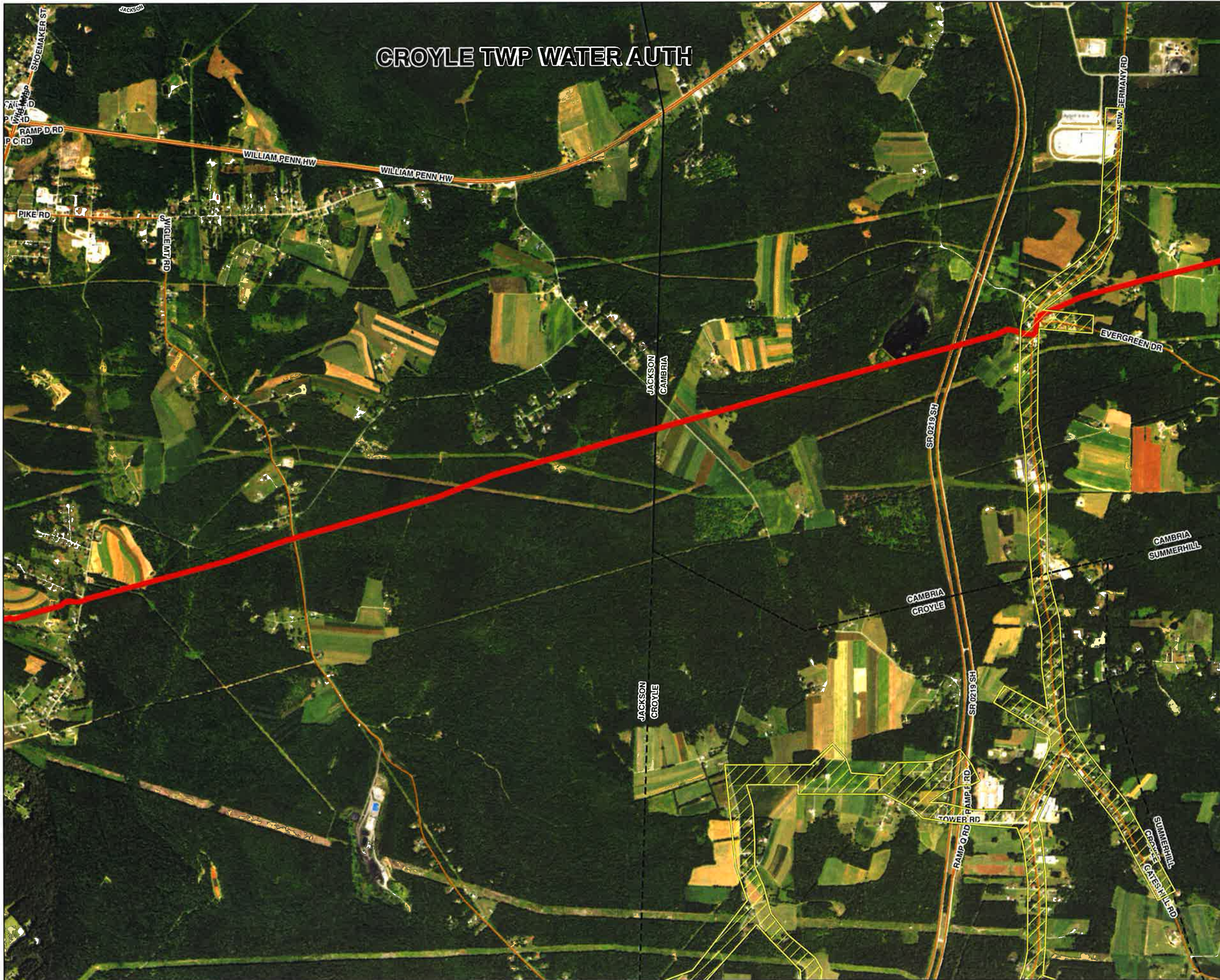
Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map

# CROYLE TWP WATER AUTH



## Global Indicator



## Legend

- Proposed Pipeline
- PA State Roads
- PA County
- PA Municipality
- Public Water Supply Area

## Sunoco PA Pipeline Project Public Water Supply Area



Prepared For:



Prepared By:



Date:  
9/2016

Base Map;  
ESRI World Imagery, October 2011  
Coordinate System NAD 83  
Stateplane, PA South, Feet





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## Delivered

**On Time**

**Updated Delivery Day:** Friday, September 23, 2016  
**Scheduled Delivery Day:** Friday, September 23, 2016, 3:00 pm  
**Money Back Guarantee**  
**Signed for By:** J MALLIN // SUMMERHILL, PA 15958 // 12:06 pm

### Product & Tracking Information

**Postal Product:** Priority Mail Express 2-Day™  
**Features:** Insured, PO to Addressee  
 Up to \$100 insurance included  
 Restrictions Apply

### Available Actions

[Proof of Delivery](#)

DATE & TIME	STATUS OF ITEM	LOCATION
September 23, 2016 , 12:06 pm	Delivered, Individual Picked Up at Postal Facility	SUMMERHILL, PA 15958
Your item was picked up at a postal facility at 12:06 pm on September 23, 2016 in SUMMERHILL, PA 15958. The item was signed for by J MALLIN.		
September 22, 2016 , 12:33 pm	Available for Pickup	SUMMERHILL, PA 15958
September 22, 2016 , 12:33 pm	Arrived at Post Office	SUMMERHILL, PA 15958
September 22, 2016 , 7:46 am	Arrived at USPS Destination Facility	PITTSBURGH, PA 15290
September 21, 2016 , 6:13 pm	Arrived at USPS Origin Facility	BUFFALO, NY 14240
September 21, 2016 , 1:26 pm	Acceptance	BUFFALO, NY 14203

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**From:** [auto-reply@usps.com](mailto:auto-reply@usps.com)  
**To:** [Grosse, Nate](#)  
**Subject:** USPS Item Delivered, PO Box for Shipment 9505516150686291025187  
**Date:** Wednesday, October 19, 2016 10:06:51 AM

---



**Tracking Number: 9505516150686291025187**

---

**Hello Nate Grosse,**

**Thank you for using USPS.com.**

This is a post-only message. Please do not respond.

Nate Grosse has requested that you receive a USPS Tracking<sup>®</sup> delivery or delivery attempt update, as shown below.

USPS Tracking<sup>®</sup> e-mail update information provided by the U.S. Postal Service.

Tracking Number: [9505516150686291025187](#)

Updated Delivery Date: October 19, 2016

Service Type: USPS Tracking<sup>®</sup>

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<b>Shipment Activity</b>	<b>Location</b>	<b>Date &amp; Time</b>	<b>Shipping Partner</b>
Delivered, PO Box	SUMMERHILL, PA 15958	October 19, 2016 8:36 am	
Available for Pickup	SUMMERHILL, PA 15958	October 19, 2016 8:35 am	
Arrived at Post Office	SUMMERHILL, PA 15958	October 19, 2016 8:32 am	
Departed USPS Facility	WARRENDALE, PA 15086	October 18, 2016	

Arrived at USPS Facility	WARRENDALE, PA 15086	4:13 pm October 18, 2016 8:57 am
Departed USPS Facility	ROCHESTER, NY 14606	October 18, 2016 4:00 am
Arrived at USPS Origin Facility	ROCHESTER, NY 14606	October 17, 2016 10:08 pm
Departed Post Office	BUFFALO, NY 14203	October 17, 2016 7:33 pm
Acceptance	BUFFALO, NY 14203	October 17, 2016 1:40 pm

---

Reminder: USPS Tracking<sup>®</sup> by email

Date of email request: October 19, 2016

Future activity will continue to be emailed for up to 2 weeks from the Date of Request shown above. If you need to initiate the USPS Tracking<sup>®</sup> by email process again at the end of the 2 weeks, please do so at the USPS Tracking<sup>®</sup> site at <http://www.usps.com/shipping/uspstrackingfaqs.htm>

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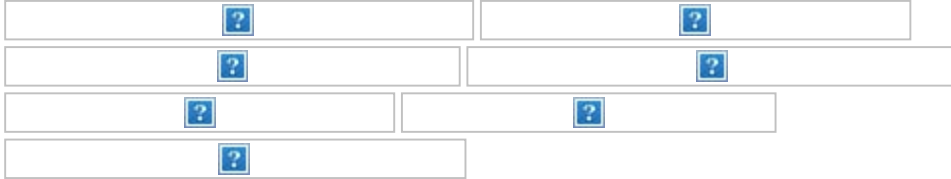
For more information go to <https://www.usps.com/text-tracking/welcome.htm>

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---

**To:** Devereux Foundation Brandywine Telephone: 610-942-5900

**Contact name:** Scott Carter

---

**From:** Josh Baird (Tt)

---

**Date:** September 20, 2016

---

**Subject:** Sunoco Pipeline L.P. – Pennsylvania Pipeline Project Public Water Supply Coordination

---

A letter was sent to Scott Carter at Devereux Foundation Brandywine on September 20, 2016 requesting information regarding Public Water Supply (PWS) source(s) and/or facility(s) in location to the Pennsylvania Pipeline Project (Project) in order to assess any potential impacts to the PWS. An additional letter was sent with an updated project description on October 14, 2016.

A brief description of the Project was included as well a Site Map related to the location of the PWS in question.

Delivery confirmation indicated the initial letter was received on September 21, 2016, and the subsequent letter on October 17, 2016.



September 20, 2016

**DEVEREUX FOUNDATION BRANDYWINE**  
**160 Devereux Rd**  
**Glenmoore, PA 19343**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

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Tetra Tech, Inc.

Enclosures: Site Map



October 14, 2016

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Joshua S. Baird

Tetra Tech, Inc.



October 14, 2016

**DEVEREUX FOUNDATION BRANDYWINE**  
**160 Devereux Rd**  
**Glenmoore, PA 19343**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

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Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map






# DEVEREUX FOUNDATION BRANDYWINE



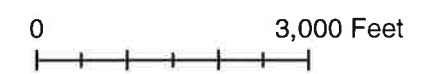
## Global Indicator



## Legend

-  Proposed Pipeline
-  PA State Roads
-  PA County
-  PA Municipality
-  Public Water Supply Area

### Sunoco PA Pipeline Project Public Water Supply Area



Prepared For:



Prepared By:



Date:  
9/2016

Base Map;  
ESRI World Imagery, October 2011  
Coordinate System NAD 83  
Stateplane, PA South, Feet



## Laviolette, Carrie

---

**From:** trackingupdates@fedex.com  
**Sent:** Wednesday, September 21, 2016 1:41 PM  
**To:** Laviolette, Carrie  
**Subject:** FedEx Shipment 777275625015 Delivered

## Your package has been delivered

Tracking # 777275625015

Ship date:  
**Tue, 9/20/2016**

**JOSH BAIRD**  
TETRA TECH -  
HOME  
Buffalo, NY 14203  
US



Delivery date:  
**Wed, 9/21/2016**  
**1:38 pm**

**Scott Carter**  
Devereux Foundation  
Brandywine  
160 Devereux Road  
GLENMOORE, PA  
19343  
US




### Shipment Facts

Our records indicate that the following package has been delivered.

<b>Tracking number:</b>	<a href="#">777275625015</a>
<b>Status:</b>	Delivered: 09/21/2016 1:38 PM Signed for By: D.DRUMHELLER
<b>Reference:</b>	112IC05958, 16
<b>Signed for by:</b>	D.DRUMHELLER
<b>Delivery location:</b>	GLENMOORE, PA
<b>Delivered to:</b>	Receptionist/Front Desk
<b>Service type:</b>	FedEx Standard Overnight
<b>Packaging type:</b>	FedEx Envelope
<b>Number of pieces:</b>	1
<b>Weight:</b>	0.50 lb.
<b>Special handling/Services:</b>	Direct Signature Required

Deliver Weekday

**Standard transit:** 9/21/2016 by 3:00 pm

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 12:40 PM CDT on 09/21/2016.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Standard transit is the date and time the package is scheduled to be delivered by, based on the selected service, destination and ship date. Limitations and exceptions may apply. Please see the FedEx Service Guide for terms and conditions of service, including the FedEx Money-Back Guarantee, or contact your FedEx Customer Support representative.

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**777470816833**

Ship date:  
**Fri 10/14/2016**



**Delivered**

Signed for by: M.MEG



**TETRA TECH - HOME**  
 JOSH BAIRD  
 301 ELLICOTT STREET  
 Buffalo, NY US 14203  
 716 849-9419

Actual delivery:  
**Mon 10/17/2016 9:31 am**

Devereux Foundation Brandywine  
 160 Devereux Road  
 GLENMOORE, PA US 19343  
 716 849-9419

tracking number

United States - English

**Travel History**

Date/Time	Activity	Location
<b>10/17/2016 - Monday</b>		
9:31 am	Delivered	GLENMOORE, PA
8:06 am	On FedEx vehicle for delivery	WEST CHESTER, PA
6:19 am	At local FedEx facility	WEST CHESTER, PA
<b>10/15/2016 - Saturday</b>		
9:04 am	At local FedEx facility	WEST CHESTER, PA
9:02 am	At local FedEx facility Package not due for delivery	WEST CHESTER, PA
8:55 am	At local FedEx facility	WEST CHESTER, PA
6:37 am	At destination sort facility	PHILADELPHIA, PA
3:40 am	Departed FedEx location	MEMPHIS, TN
<b>10/14/2016 - Friday</b>		
11:21 pm	Arrived at FedEx location	MEMPHIS, TN
4:49 pm	Picked up	CHEEKTOWAGA, NY
10:20 am	Shipment information sent to FedEx	

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**Shipment Facts**

<b>Tracking number</b>	777470816833	<b>Service</b>	FedEx Standard Overnight
<b>Weight</b>	0.5 lbs / 0.23 kgs	<b>Signature services</b>	Adult signature required
<b>Delivery attempts</b>	1	<b>Delivered To</b>	Receptionist/Front Desk
<b>Total pieces</b>	1	<b>Total shipment weight</b>	0.5 lbs / 0.23 kgs
<b>Terms</b>	Not Available	<b>Shipper reference</b>	112IC05958, 16
<b>Packaging</b>	FedEx Envelope	<b>Special handling section</b>	Deliver Weekday, Adult Signature Required
<b>Standard transit</b>	10/17/2016 by 3:00 pm		

Ask FedEx

---

**To:** Duncansville Muni Water Auth Telephone: 814-695-1497

**Contact name:** Robert Hazenstab

---

**From:** Josh Baird (Tt)

---

**Date:** September 20, 2016

---

**Subject:** Sunoco Pipeline L.P. – Pennsylvania Pipeline Project Public Water Supply Coordination

---

A letter was sent to Robert Hazenstab at Duncansville Muni Water Auth on September 20, 2016 requesting information regarding Public Water Supply (PWS) source(s) and/or facility(s) in location to the Pennsylvania Pipeline Project (Project) in order to assess any potential impacts to the PWS. An additional letter was sent with an updated project description on October 14, 2016.

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September 20, 2016

**DUNCANSVILLE MUNI WATER AUTH**  
**1146 Third Ave.**  
**Duncansville, PA 16635**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

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Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



October 14, 2016

Dear Sir or Madam,

The enclosed letter is on behalf of Sunoco Pipeline, L.P. (SPLP), in regards to a previously delivered letter dated September 20, 2016 referencing the Chapter 105 Water Obstruction and Encroachments Permit for the Pennsylvania Pipeline Project (Project). In that letter the project description indicated the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. The Project also includes the installation of a 16-inch pipeline within the same previously described 306-mile, 50-foot-wide right-of-way (ROW). The intention of this letter is to clarify the two planned parallel pipelines. Routing and workspaces will not change from what was previously indicated.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird', written in a cursive style.

Joshua S. Baird

Tetra Tech, Inc.



October 14, 2016

**DUNCANVILLE MUNI WATER AUTH**  
1146 Third Ave.  
Duncansville, PA 16635

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project  
Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of two parallel pipelines within an approximately 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. A 20-inch diameter pipeline will be installed within the ROW from Houston to Marcus Hook (306 miles) and a second, 16-inch diameter pipeline, will also be installed in the same ROW. The second line is proposed to be installed from SPLP's Delmont Station, Westmoreland County, Pennsylvania to the Marcus Hook facility, paralleling the initial line for approximately 255 miles. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

As part of the PADEP permit requirements, we and Sunoco respectfully request your review of the Project's location as it relates to your Public Water Supply (PWS) source(s) and/or facility(s), and assess any potential impacts to the PWS. SPLP also requests the approximate location and/or name of the waterbody that is the water supply. If you require additional information and/or consultation pertaining to the Project, please contact Joshua Baird using the contact info listed below. **If further consultation is not initiated by October 18, SPLP will deem the Project in good standing as it relates to your PWS, and will proceed as planned.**

The following attachments are included for your review:

- Site Map showing the location of the proposed pipeline Project ROW as it relates to the Public Water Supply Areas obtained from the Pennsylvania Department of Environmental Protection's eMapPA application.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

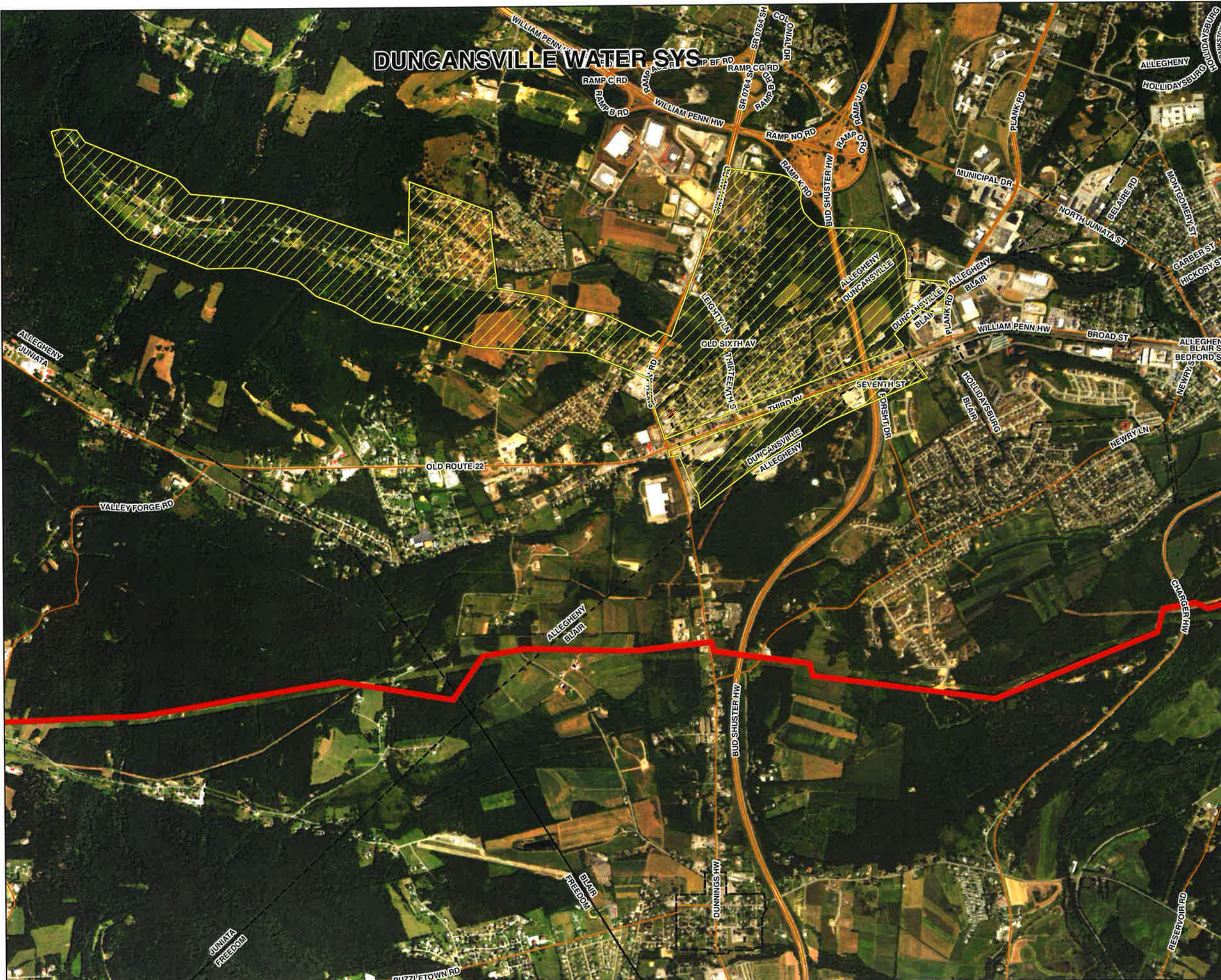
Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map

# DUNCANSVILLE WATER SYS



### Legend

- Proposed Pipeline
- PA State Roads
- PA County
- PA Municipality
- Public Water Supply Area

**Sunoco PA Pipeline Project  
Public Water Supply Area**

0 3,000 Feet

Prepared For:

**Sunoco  
Pipeline L.P.**

Prepared By:

**TETRA TECH**

Date:  
9/2016

Base Map;  
ESRI World Imagery, October 2011  
Coordinate System NAD 83  
Stateplane, PA South, Feet

## Laviolette, Carrie

---

**From:** trackingupdates@fedex.com  
**Sent:** Wednesday, September 21, 2016 1:53 PM  
**To:** Laviolette, Carrie  
**Subject:** FedEx Shipment 777275643367 Delivered

# Your package has been delivered

Tracking # [777275643367](#)

Ship date:  
**Tue, 9/20/2016**

**JOSH BAIRD**  
TETRA TECH -  
HOME  
Buffalo, NY 14203  
US



Delivery date:  
**Wed, 9/21/2016**  
**1:46 pm**

**Robert Hazenstab**  
Duncansville Muni  
Water Authority  
1146 Third Avenue  
DUNCANSVILLE, PA  
16635  
US




## Shipment Facts

Our records indicate that the following package has been delivered.

<b>Tracking number:</b>	<a href="#">777275643367</a>
<b>Status:</b>	Delivered: 09/21/2016 1:46 PM Signed for By: P.FOX
<b>Reference:</b>	112IC05958, 16
<b>Signed for by:</b>	P.FOX
<b>Delivery location:</b>	DUNCANSVILLE, PA
<b>Delivered to:</b>	Receptionist/Front Desk
<b>Service type:</b>	FedEx Standard Overnight
<b>Packaging type:</b>	FedEx Envelope
<b>Number of pieces:</b>	1
<b>Weight:</b>	0.50 lb.
<b>Special handling/Services:</b>	Direct Signature Required

Deliver Weekday

**Standard transit:** 9/21/2016 by 4:30 pm

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 12:52 PM CDT on 09/21/2016.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Standard transit is the date and time the package is scheduled to be delivered by, based on the selected service, destination and ship date. Limitations and exceptions may apply. Please see the FedEx Service Guide for terms and conditions of service, including the FedEx Money-Back Guarantee, or contact your FedEx Customer Support representative.

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**777470835520**

Ship date:  
**Fri 10/14/2016**



**Delivered**

Signed for by: P.TOV



**TETRA TECH - HOME**  
 JOSH BAIRD  
 301 ELLICOTT STREET  
 Buffalo, NY US 14203  
 716 849-9419

Actual delivery:  
**Mon 10/17/2016 12:52 pm**

Duncansville Muni. Water Authority  
 1146 Third Avenue  
 DUNCANSVILLE, PA US 16635  
 716 849-9419

tracking number

United States - English

**Travel History**

Date/Time	Activity	Location
<b>10/17/2016 - Monday</b>		
12:52 pm	Delivered	DUNCANSVILLE, PA
9:09 am	On FedEx vehicle for delivery	DUNCANSVILLE, PA
<b>10/15/2016 - Saturday</b>		
9:31 am	At local FedEx facility	DUNCANSVILLE, PA
6:23 am	At destination sort facility	MOON TOWNSHIP, PA
4:27 am	In transit	MEMPHIS, TN
3:56 am	Departed FedEx location	MEMPHIS, TN
<b>10/14/2016 - Friday</b>		
11:21 pm	Arrived at FedEx location	MEMPHIS, TN
4:49 pm	Picked up	CHEEKTOWAGA, NY
10:29 am	Shipment information sent to FedEx	

Use | Security and Privacy

**Shipment Facts**

<b>Tracking number</b>	777470835520	<b>Service</b>	FedEx Standard Overnight
<b>Weight</b>	0.5 lbs / 0.23 kgs	<b>Signature services</b>	Adult signature required
<b>Delivery attempts</b>	1	<b>Delivered To</b>	Receptionist/Front Desk
<b>Total pieces</b>	1	<b>Total shipment weight</b>	0.5 lbs / 0.23 kgs
<b>Terms</b>	Not Available	<b>Shipper reference</b>	112IC05958, 16
<b>Packaging</b>	FedEx Envelope	<b>Special handling section</b>	Deliver Weekday, Adult Signature Required
<b>Standard transit</b>	10/17/2016 by 4:30 pm		

Ask FedEx

---

**To:** Ebensburg Boro Muni Auth Telephone: 814-472-8780

**Contact name:** Daniel L. Penatzer

---

**From:** Josh Baird (Tt)

---

**Date:** September 20, 2016

---

**Subject:** Sunoco Pipeline L.P. – Pennsylvania Pipeline Project Public Water Supply Coordination

---

A letter was sent to Daniel L. Penatzer at Ebensburg Boro Muni Auth on September 20, 2016 requesting information regarding Public Water Supply (PWS) source(s) and/or facility(s) in location to the Pennsylvania Pipeline Project (Project) in order to assess any potential impacts to the PWS. An additional letter was sent with an updated project description on October 14, 2016.

A brief description of the Project was included as well a Site Map related to the location of the PWS in question.

Delivery confirmation indicated the initial letter was received on September 21, 2016, and the subsequent letter on October 17, 2016.

Received an email on 9/21/16 stating no impact.



September 20, 2016

**EBENSBURG BORO MUNI AUTH  
300 W High St  
Ebensburg, PA 15931**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project  
Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

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The following attachments are included for your review:

- Site Map showing the location of the proposed pipeline Project ROW as it relates to the Public Water Supply Areas obtained from the Pennsylvania Department of Environmental Protection's eMapPA application.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



October 14, 2016

Dear Sir or Madam,

The enclosed letter is on behalf of Sunoco Pipeline, L.P. (SPLP), in regards to a previously delivered letter dated September 20, 2016 referencing the Chapter 105 Water Obstruction and Encroachments Permit for the Pennsylvania Pipeline Project (Project). In that letter the project description indicated the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. The Project also includes the installation of a 16-inch pipeline within the same previously described 306-mile, 50-foot-wide right-of-way (ROW). The intention of this letter is to clarify the two planned parallel pipelines. Routing and workspaces will not change from what was previously indicated.

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Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird', with a stylized flourish at the end.

Joshua S. Baird

Tetra Tech, Inc.



October 14, 2016

**EBENSBURG BORO MUNI AUTH**  
**300 W High St**  
**Ebensburg, PA 15931**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of two parallel pipelines within an approximately 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. A 20-inch diameter pipeline will be installed within the ROW from Houston to Marcus Hook (306 miles) and a second, 16-inch diameter pipeline, will also be installed in the same ROW. The second line is proposed to be installed from SPLP's Delmont Station, Westmoreland County, Pennsylvania to the Marcus Hook facility, paralleling the initial line for approximately 255 miles. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

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If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

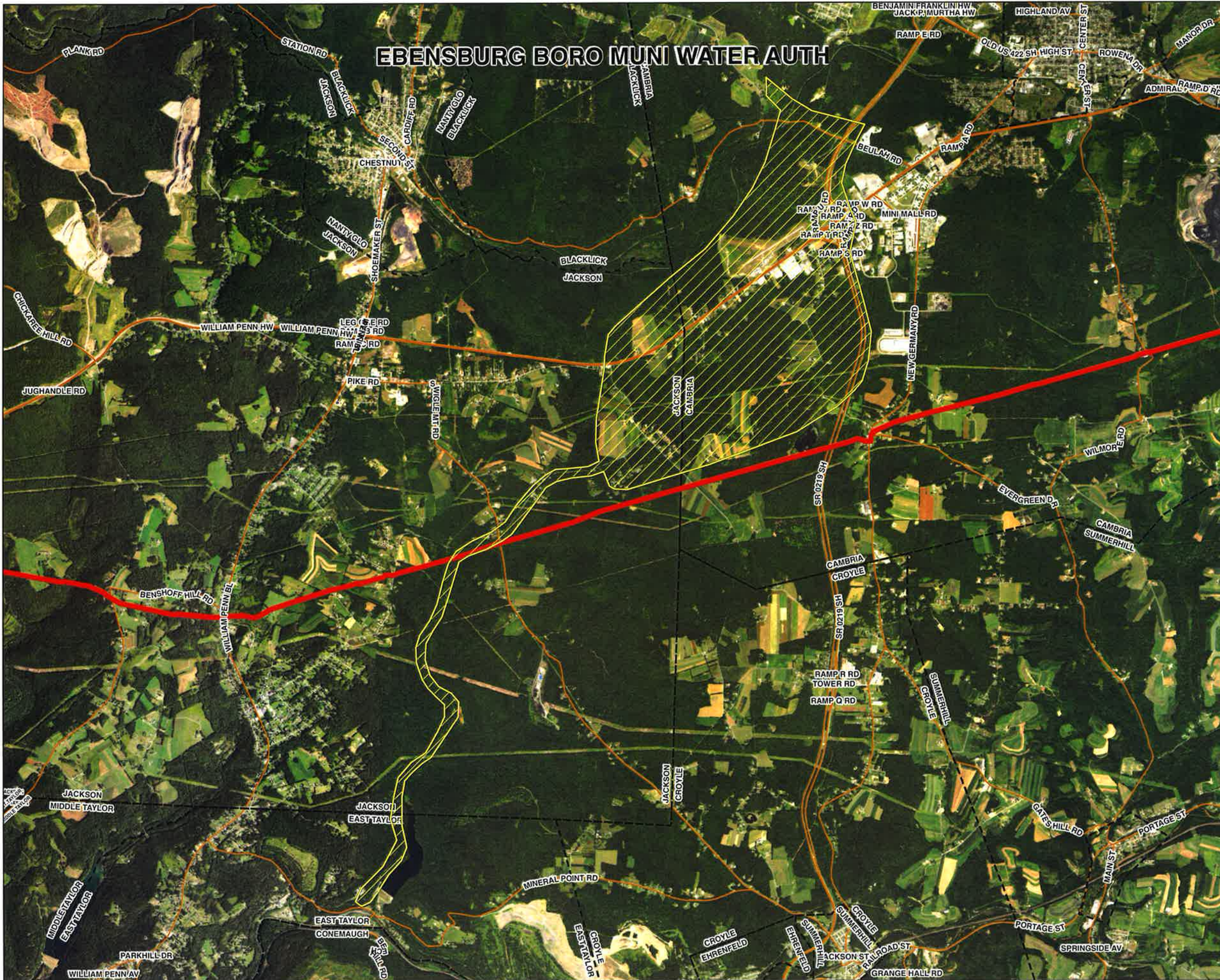
Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map






# EBENSBURG BORO MUNI WATER AUTH



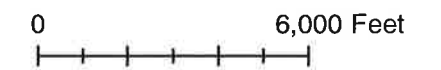
## Global Indicator



## Legend

-  Proposed Pipeline
-  PA State Roads
-  PA County
-  PA Municipality
-  Public Water Supply Area

## Sunoco PA Pipeline Project Public Water Supply Area



Prepared For:



Prepared By:



Date:  
9/2016

Base Map:  
ESRI World Imagery, October 2011  
Coordinate System NAD 83  
Stateplane, PA South, Feet



## Laviolette, Carrie

---

**From:** trackingupdates@fedex.com  
**Sent:** Wednesday, September 21, 2016 1:01 PM  
**To:** Laviolette, Carrie  
**Subject:** FedEx Shipment 777275662671 Delivered

## Your package has been delivered

Tracking # 777275662671

Ship date:  
**Tue, 9/20/2016**

**JOSH BAIRD**

TETRA TECH -  
HOME  
Buffalo, NY 14203  
US



Delivered

Delivery date:  
**Wed, 9/21/2016**  
**12:56 pm**

**Daniel L. Penatzer,**  
**Mgr.**  
Ebensburg Boro Muni  
Authority  
300 W High Street  
EBENSBURG, PA  
15931  
US

**FedEx**

### Shipment Facts


Our records indicate that the following package has been delivered.

<b>Tracking number:</b>	<a href="#">777275662671</a>
<b>Status:</b>	Delivered: 09/21/2016 12:56 PM Signed for By: R.MYERS
<b>Reference:</b>	112IC05958, 16
<b>Signed for by:</b>	R.MYERS
<b>Delivery location:</b>	EBENSBURG, PA
<b>Delivered to:</b>	Receptionist/Front Desk
<b>Service type:</b>	FedEx Standard Overnight
<b>Packaging type:</b>	FedEx Envelope
<b>Number of pieces:</b>	1
<b>Weight:</b>	0.50 lb.

<b>Special handling/Services:</b>	Direct Signature Required
-----------------------------------	---------------------------

Deliver Weekday

<b>Standard transit:</b>	9/21/2016 by 4:30 pm
--------------------------	----------------------

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 12:00 PM CDT on 09/21/2016.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Standard transit is the date and time the package is scheduled to be delivered by, based on the selected service, destination and ship date. Limitations and exceptions may apply. Please see the FedEx Service Guide for terms and conditions of service, including the FedEx Money-Back Guarantee, or contact your FedEx Customer Support representative.

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**777470851813**

Ship date:  
**Fri 10/14/2016**



**Delivered**

Signed for by: T.STROM



**TETRA TECH - HOME**  
 JOSH BAIRD  
 301 ELLICOTT STREET  
 Buffalo, NY US 14203  
 716 849-9419

Actual delivery:  
**Mon 10/17/2016 12:38 pm**

Ebensburg Coro. Muni. Authority  
 300 W. High Street  
 EBENSBURG, PA US 15931  
 716 849-9419

tracking number

United States - English

**Travel History**

Date/Time	Activity	Location
<b>10/17/2016 - Monday</b>		
12:38 pm	Delivered	EBENSBURG, PA
9:11 am	On FedEx vehicle for delivery	DUNCANVILLE, PA
<b>10/15/2016 - Saturday</b>		
9:25 am	At local FedEx facility	DUNCANVILLE, PA
6:23 am	At destination sort facility	MOON TOWNSHIP, PA
4:27 am	In transit	MEMPHIS, TN
3:56 am	Departed FedEx location	MEMPHIS, TN
<b>10/14/2016 - Friday</b>		
11:21 pm	Arrived at FedEx location	MEMPHIS, TN
4:49 pm	Picked up	CHEEKTOWAGA, NY
10:30 am	Shipment information sent to FedEx	

**Shipment Facts**

<b>Tracking number</b>	777470851813	<b>Service</b>	FedEx Standard Overnight
<b>Weight</b>	0.5 lbs / 0.23 kgs	<b>Signature services</b>	Adult signature required
<b>Delivery attempts</b>	1	<b>Delivered To</b>	Receptionist/Front Desk
<b>Total pieces</b>	1	<b>Total shipment weight</b>	0.5 lbs / 0.23 kgs
<b>Terms</b>	Not Available	<b>Shipper reference</b>	112IC05958, 16
<b>Packaging</b>	FedEx Envelope	<b>Special handling section</b>	Deliver Weekday, Adult Signature Required
<b>Standard transit</b>	10/17/2016 by 4:30 pm		

Use | Security and Privacy

Ask FedEx

---

**To:** Elverson Water Company Telephone: 610-286-5115

**Contact name:** Merel Stolfus

---

**From:** Josh Baird (Tt)

---

**Date:** September 20, 2016

---

**Subject:** Sunoco Pipeline L.P. – Pennsylvania Pipeline Project Public Water Supply Coordination

---

A letter was sent to Merel Stolfus at Elverson Water Company on September 20, 2016 requesting information regarding Public Water Supply (PWS) source(s) and/or facility(s) in location to the Pennsylvania Pipeline Project (Project) in order to assess any potential impacts to the PWS. An additional letter was sent with an updated project description on October 14, 2016.

A brief description of the Project was included as well a Site Map related to the location of the PWS in question.

Delivery confirmation indicated the initial letter was received on September 21, 2016, and the subsequent letter on October 17, 2016.

Received an email on 9/30/16 stating no impact.



September 20, 2016

**ELVERSON WATER COMPANY**  
**Po Box 20,26 E. Main St.**  
**Elverson, PA 19520**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

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If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



October 14, 2016

Dear Sir or Madam,

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Thank you for your timely response to this matter.

Sincerely,

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Joshua S. Baird

Tetra Tech, Inc.



October 14, 2016

**ELVERSON WATER COMPANY**  
Po Box 20,26 E. Main St.  
Elverson, PA 19520

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project  
Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of two parallel pipelines within an approximately 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. A 20-inch diameter pipeline will be installed within the ROW from Houston to Marcus Hook (306 miles) and a second, 16-inch diameter pipeline, will also be installed in the same ROW. The second line is proposed to be installed from SPLP's Delmont Station, Westmoreland County, Pennsylvania to the Marcus Hook facility, paralleling the initial line for approximately 255 miles. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

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Thank you for your timely response to this matter.

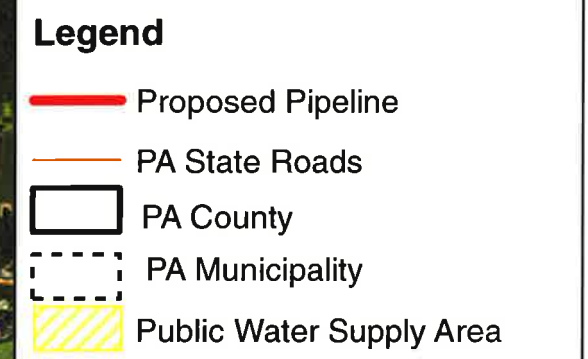
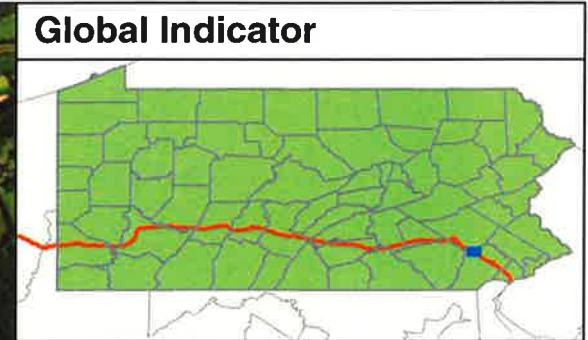
Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

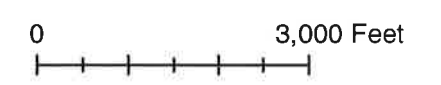
Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map

ELVERSON WATER CO INC



**Sunoco PA Pipeline Project  
Public Water Supply Area**



Prepared For:

Prepared By:

Date:  
9/2016

Base Map:  
ESRI World Imagery, October 2011  
Coordinate System NAD 83  
Stateplane, PA South, Feet

## Laviolette, Carrie

**From:** trackingupdates@fedex.com  
**Sent:** Monday, October 17, 2016 12:45 PM  
**To:** Laviolette, Carrie  
**Subject:** FedEx Shipment 777470871848 Delivered

## Your package has been delivered

Tracking # 777470871848

Ship date:  
**Fri, 10/14/2016**

**JOSH BAIRD**  
TETRA TECH -  
HOME  
Buffalo, NY 14203  
US



Delivery date:  
**Mon,**  
**10/17/2016**  
**12:40 pm**

**Elverson Water**  
**Company**  
26 E. Main Street  
ELVERSON, PA  
19520  
US




### Shipment Facts

Our records indicate that the following package has been delivered.

<b>Tracking number:</b>	<a href="#">777470871848</a>
<b>Status:</b>	Delivered: 10/17/2016 12:40 PM Signed for By: D.SLYE
<b>Reference:</b>	112IC05958, 16
<b>Signed for by:</b>	D.SLYE
<b>Delivery location:</b>	ELVERSON, PA
<b>Delivered to:</b>	Receptionist/Front Desk
<b>Service type:</b>	FedEx Priority Overnight
<b>Packaging type:</b>	FedEx Envelope
<b>Number of pieces:</b>	1
<b>Weight:</b>	0.50 lb.
<b>Special handling/Services:</b>	Deliver Weekday

**Standard transit:** 10/17/2016 by 4:30  
pm

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 11:45 AM CDT on 10/17/2016.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Standard transit is the date and time the package is scheduled to be delivered by, based on the selected service, destination and ship date. Limitations and exceptions may apply. Please see the FedEx Service Guide for terms and conditions of service, including the FedEx Money-Back Guarantee, or contact your FedEx Customer Support representative.

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Thank you for your business.

---

**To:** Freedom Twp Water & Sewer Telephone: 814-695-8051

**Contact name:** Susahn Claycomb

---

**From:** Josh Baird (Tt)

---

**Date:** September 20, 2016

---

**Subject:** Sunoco Pipeline L.P. – Pennsylvania Pipeline Project Public Water Supply Coordination

---

A letter was sent to Susahn Claycomb at Freedom Twp Water & Sewer on September 20, 2016 requesting information regarding Public Water Supply (PWS) source(s) and/or facility(s) in location to the Pennsylvania Pipeline Project (Project) in order to assess any potential impacts to the PWS. An additional letter was sent with an updated project description on October 14, 2016.

A brief description of the Project was included as well a Site Map related to the location of the PWS in question.

Delivery confirmation indicated the initial letter was received on September 21, 2016, and the subsequent letter on October 17, 2016.



September 20, 2016

**FREEDOM TWP WATER & SEWER**  
**131 Municipal Street**  
**East Freedom, PA 16637**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

As part of the PADEP permit requirements, we and Sunoco respectfully request your review of the Project's location as it relates to your Public Water Supply (PWS) source(s) and/or facility(s), and assess any potential impacts to the PWS. SPLP also requests the approximate location and/or name of the waterbody that is the water supply. If you require additional information and/or consultation pertaining to the Project, please contact Joshua Baird using the contact info listed below. **If further consultation is not initiated by October 6, SPLP will deem the Project in good standing as it relates to your PWS, and will proceed as planned.**

The following attachments are included for your review:

- Site Map showing the location of the proposed pipeline Project ROW as it relates to the Public Water Supply Areas obtained from the Pennsylvania Department of Environmental Protection's eMapPA application.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



October 14, 2016

Dear Sir or Madam,

The enclosed letter is on behalf of Sunoco Pipeline, L.P. (SPLP), in regards to a previously delivered letter dated September 20, 2016 referencing the Chapter 105 Water Obstruction and Encroachments Permit for the Pennsylvania Pipeline Project (Project). In that letter the project description indicated the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. The Project also includes the installation of a 16-inch pipeline within the same previously described 306-mile, 50-foot-wide right-of-way (ROW). The intention of this letter is to clarify the two planned parallel pipelines. Routing and workspaces will not change from what was previously indicated.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird', written in a cursive style.

Joshua S. Baird

Tetra Tech, Inc.



October 14, 2016

**FREEDOM TWP WATER & SEWER**  
131 Municipal Street  
East Freedom, PA 16637

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project  
Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of two parallel pipelines within an approximately 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. A 20-inch diameter pipeline will be installed within the ROW from Houston to Marcus Hook (306 miles) and a second, 16-inch diameter pipeline, will also be installed in the same ROW. The second line is proposed to be installed from SPLP's Delmont Station, Westmoreland County, Pennsylvania to the Marcus Hook facility, paralleling the initial line for approximately 255 miles. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

As part of the PADEP permit requirements, we and Sunoco respectfully request your review of the Project's location as it relates to your Public Water Supply (PWS) source(s) and/or facility(s), and assess any potential impacts to the PWS. SPLP also requests the approximate location and/or name of the waterbody that is the water supply. If you require additional information and/or consultation pertaining to the Project, please contact Joshua Baird using the contact info listed below. **If further consultation is not initiated by October 18, SPLP will deem the Project in good standing as it relates to your PWS, and will proceed as planned.**

The following attachments are included for your review:

- Site Map showing the location of the proposed pipeline Project ROW as it relates to the Public Water Supply Areas obtained from the Pennsylvania Department of Environmental Protection's eMapPA application.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

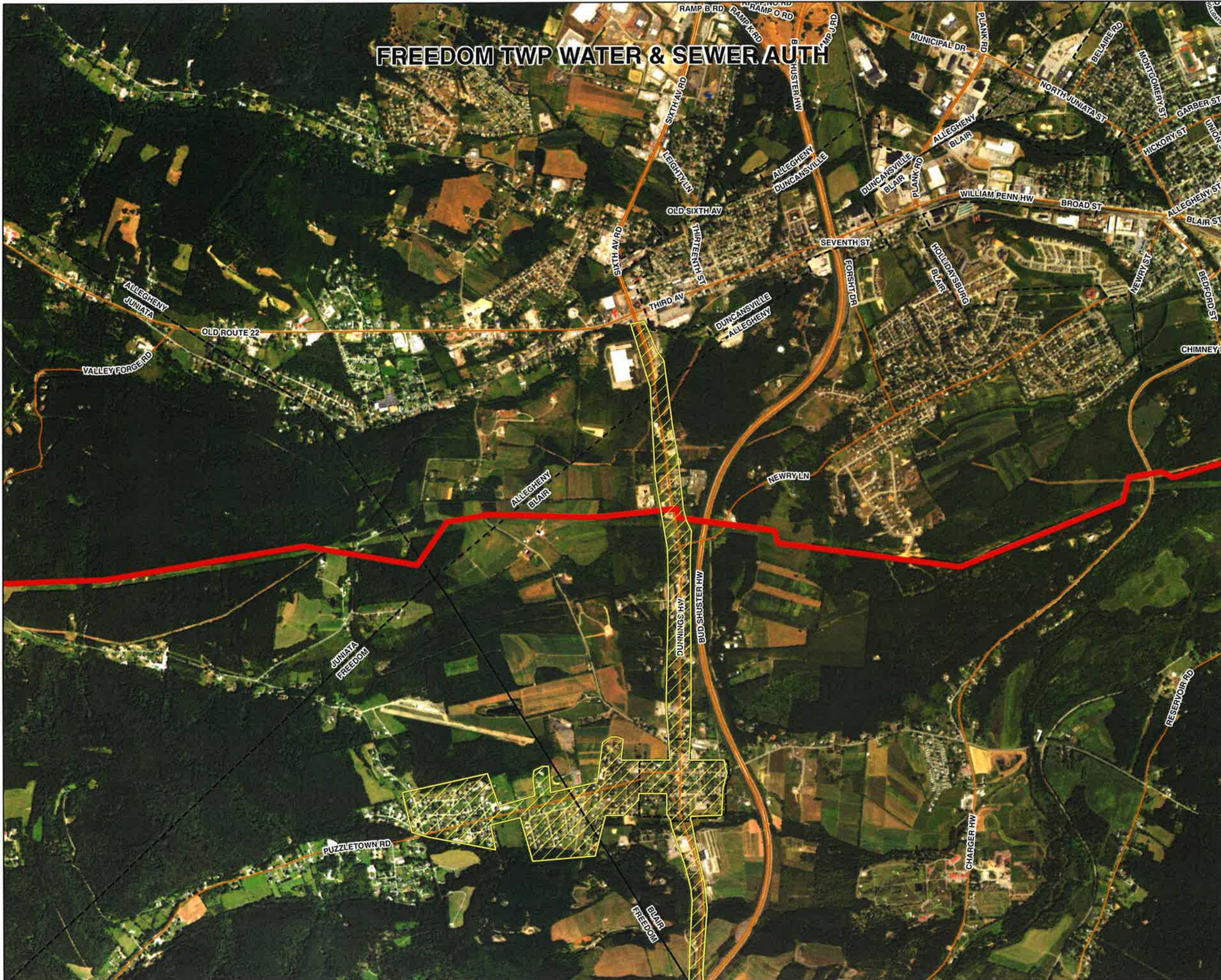
Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map






# FREEDOM TWP WATER & SEWER AUTH



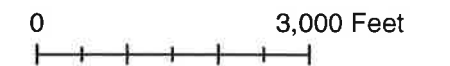
## Global Indicator



## Legend

-  Proposed Pipeline
-  PA State Roads
-  PA County
-  PA Municipality
-  Public Water Supply Area

## Sunoco PA Pipeline Project Public Water Supply Area



Prepared For:



Prepared By:



Date:  
9/2016

Base Map:  
ESRI World Imagery, October 2011  
Coordinate System NAD 83  
Stateplane, PA South, Feet




## Laviolette, Carrie

---

**From:** trackingupdates@fedex.com  
**Sent:** Wednesday, September 21, 2016 11:09 AM  
**To:** Laviolette, Carrie  
**Subject:** FedEx Shipment 777275681129 Delivered

## Your package has been delivered

Tracking # 777275681129

Ship date: <b>Tue, 9/20/2016</b>	Delivery date: <b>Wed, 9/21/2016 11:07 am</b>	
<b>JOSH BAIRD</b> TETRA TECH - HOME Buffalo, NY 14203 US	 <b>Delivered</b>	<b>Susahn Claycomb</b> Freedom Twp. Water & Sewer 131 Municipal Street EAST FREEDOM, PA 16637 US


### Shipment Facts

Our records indicate that the following package has been delivered.

<b>Tracking number:</b>	<a href="#">777275681129</a>
<b>Status:</b>	Delivered: 09/21/2016 11:07 AM Signed for By: S.CLAYCOMB
<b>Reference:</b>	112IC05958, 16
<b>Signed for by:</b>	S.CLAYCOMB
<b>Delivery location:</b>	EAST FREEDOM, PA
<b>Delivered to:</b>	Receptionist/Front Desk
<b>Service type:</b>	FedEx Priority Overnight
<b>Packaging type:</b>	FedEx Envelope
<b>Number of pieces:</b>	1
<b>Weight:</b>	0.50 lb.
<b>Special handling/Services:</b>	Deliver Weekday



**Standard transit:** 9/21/2016 by 4:30 pm

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 10:09 AM CDT on 09/21/2016.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

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**777470890887**

Ship date:  
**Fri 10/14/2016**



**Delivered**

Signed for by: E. BENDER



**TETRA TECH - HOME**  
 JOSH BAIRD  
 301 ELLICOTT STREET  
 Buffalo, NY US 14203  
 716 849-9419

Actual delivery:  
**Mon 10/17/2016 1:55 pm**

Freedom Township Water & Sewer  
 131 Municipal Street  
 EAST FREEDOM, PA US 16637  
 716 849-9419

tracking number

United States - English

**Travel History**

Date/Time	Activity	Location
<b>10/17/2016 - Monday</b>		
1:55 pm	Delivered	EAST FREEDOM, PA
9:08 am	On FedEx vehicle for delivery	DUNCANVILLE, PA
<b>10/15/2016 - Saturday</b>		
9:26 am	At local FedEx facility	DUNCANVILLE, PA
6:23 am	At destination sort facility	MOON TOWNSHIP, PA
4:27 am	In transit	MEMPHIS, TN
3:56 am	Departed FedEx location	MEMPHIS, TN
<b>10/14/2016 - Friday</b>		
11:21 pm	Arrived at FedEx location	MEMPHIS, TN
4:49 pm	Picked up	CHEEKTOWAGA, NY
10:30 am	Shipment information sent to FedEx	

Use | Security and Privacy

**Shipment Facts**

<b>Tracking number</b>	777470890887	<b>Service</b>	FedEx Priority Overnight
<b>Weight</b>	0.5 lbs / 0.23 kgs	<b>Delivery attempts</b>	1
<b>Delivered To</b>	Receptionist/Front Desk	<b>Total pieces</b>	1
<b>Total shipment weight</b>	0.5 lbs / 0.23 kgs	<b>Terms</b>	Not Available
<b>Shipper reference</b>	112IC05958, 16	<b>Packaging</b>	FedEx Envelope
<b>Special handling section</b>	Deliver Weekday	<b>Standard transit</b>	10/17/2016 by 4:30 pm

Ask FedEx

---

**To:** Greendown Acres Mhp Telephone: 814-695-1464

**Contact name:** David Reynolds

---

**From:** Josh Baird (Tt)

---

**Date:** September 20, 2016

---

**Subject:** Sunoco Pipeline L.P. – Pennsylvania Pipeline Project Public Water Supply Coordination

---

A letter was sent to David Reynolds at Greendown Acres Mhp on September 20, 2016 requesting information regarding Public Water Supply (PWS) source(s) and/or facility(s) in location to the Pennsylvania Pipeline Project (Project) in order to assess any potential impacts to the PWS. An additional letter was sent with an updated project description on October 14, 2016.

A brief description of the Project was included as well a Site Map related to the location of the PWS in question.

Delivery confirmation indicated the initial letter was received on September 21, 2016, and the subsequent letter on October 17, 2016.



September 20, 2016

**GREENDOWN ACRES MHP**  
**P O Box 457/210 Allen Ln**  
**Cedaredge, CO 81413**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

As part of the PADEP permit requirements, we and Sunoco respectfully request your review of the Project's location as it relates to your Public Water Supply (PWS) source(s) and/or facility(s), and assess any potential impacts to the PWS. SPLP also requests the approximate location and/or name of the waterbody that is the water supply. If you require additional information and/or consultation pertaining to the Project, please contact Joshua Baird using the contact info listed below. **If further consultation is not initiated by October 6, SPLP will deem the Project in good standing as it relates to your PWS, and will proceed as planned.**

The following attachments are included for your review:

- Site Map showing the location of the proposed pipeline Project ROW as it relates to the Public Water Supply Areas obtained from the Pennsylvania Department of Environmental Protection's eMapPA application.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



October 14, 2016

Dear Sir or Madam,

The enclosed letter is on behalf of Sunoco Pipeline, L.P. (SPLP), in regards to a previously delivered letter dated September 20, 2016 referencing the Chapter 105 Water Obstruction and Encroachments Permit for the Pennsylvania Pipeline Project (Project). In that letter the project description indicated the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. The Project also includes the installation of a 16-inch pipeline within the same previously described 306-mile, 50-foot-wide right-of-way (ROW). The intention of this letter is to clarify the two planned parallel pipelines. Routing and workspaces will not change from what was previously indicated.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'J. Baird', written over a light blue horizontal line.

Joshua S. Baird

Tetra Tech, Inc.



October 14, 2016

**GREENDOWN ACRES MHP**  
P O Box 457/210 Allen Ln  
Cedaredge, CO 81413

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project  
Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of two parallel pipelines within an approximately 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. A 20-inch diameter pipeline will be installed within the ROW from Houston to Marcus Hook (306 miles) and a second, 16-inch diameter pipeline, will also be installed in the same ROW. The second line is proposed to be installed from SPLP's Delmont Station, Westmoreland County, Pennsylvania to the Marcus Hook facility, paralleling the initial line for approximately 255 miles. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

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The following attachments are included for your review:

- Site Map showing the location of the proposed pipeline Project ROW as it relates to the Public Water Supply Areas obtained from the Pennsylvania Department of Environmental Protection's eMapPA application.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

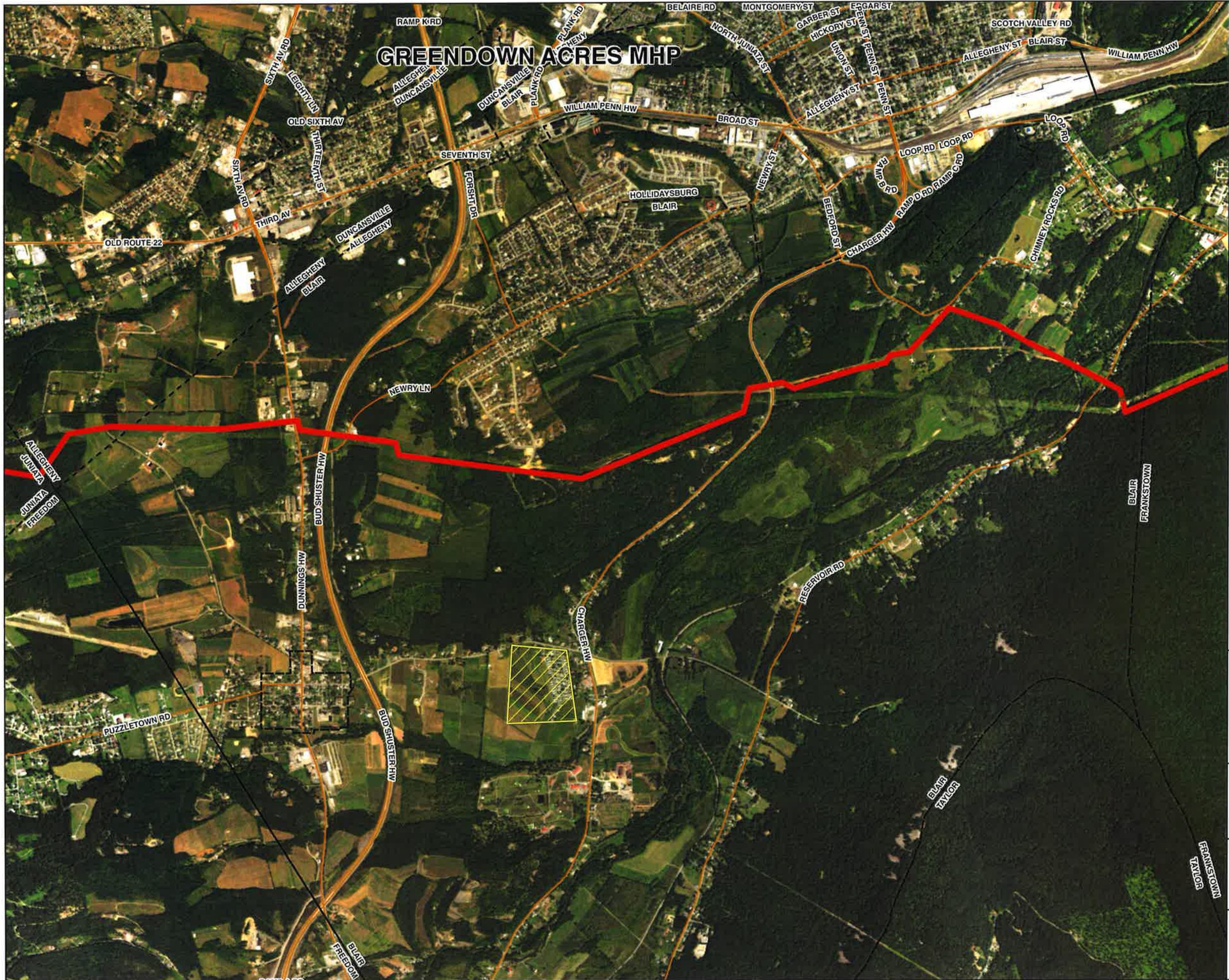
Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map








# GREEDOWN ACRES MHP

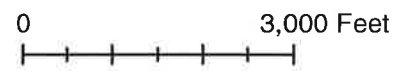
## Global Indicator



## Legend

-  Proposed Pipeline
-  PA State Roads
-  PA County
-  PA Municipality
-  Public Water Supply Area

### Sunoco PA Pipeline Project Public Water Supply Area



Prepared For:



Prepared By:



Date:

9/2016

Base Map:  
ESRI World Imagery, October 2011  
Coordinate System NAD 83  
Stateplane, PA South, Feet



## Laviolette, Carrie

---

**From:** trackingupdates@fedex.com  
**Sent:** Monday, October 17, 2016 2:15 PM  
**To:** Laviolette, Carrie  
**Subject:** FedEx Shipment 777470910996 Delivered

## Your package has been delivered

Tracking # 777470910996

Ship date:  
**Fri, 10/14/2016**

**JOSH BAIRD**  
TETRA TECH -  
HOME  
Buffalo, NY 14203  
US



Delivered

Delivery date:  
**Mon,**  
**10/17/2016**  
**12:09 pm**

**Greendown Acres**  
**Mobile Home Park**  
210 Allen Lane  
CEDAREEDGE, CO  
81413  
US


**FedEx**

### Shipment Facts

Our records indicate that the following package has been delivered.

<b>Tracking number:</b>	<a href="#">777470910996</a>
<b>Status:</b>	Delivered: 10/17/2016 12:09 PM Signed for By: P.WIKKERSON
<b>Reference:</b>	112IC05958, 16
<b>Signed for by:</b>	P.WIKKERSON
<b>Delivery location:</b>	CEDAREEDGE, CO
<b>Delivered to:</b>	Receptionist/Front Desk
<b>Service type:</b>	FedEx Priority Overnight
<b>Packaging type:</b>	FedEx Envelope
<b>Number of pieces:</b>	1
<b>Weight:</b>	0.50 lb.
<b>Special handling/Services:</b>	Deliver Weekday

**Standard transit:** 10/17/2016 by 4:30  
pm

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 1:14 PM CDT on 10/17/2016.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Standard transit is the date and time the package is scheduled to be delivered by, based on the selected service, destination and ship date. Limitations and exceptions may apply. Please see the FedEx Service Guide for terms and conditions of service, including the FedEx Money-Back Guarantee, or contact your FedEx Customer Support representative.

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Thank you for your business.

---

**To:** Harmony Estates Mhp Telephone: 717-730-4141

**Contact name:** Kim Losh Co

---

**From:** Josh Baird (Tt)

---

**Date:** September 20, 2016

---

**Subject:** Sunoco Pipeline L.P. – Pennsylvania Pipeline Project Public Water Supply Coordination

---

A letter was sent to Kim Losh Co at Harmony Estates Mhp on September 20, 2016 requesting information regarding Public Water Supply (PWS) source(s) and/or facility(s) in location to the Pennsylvania Pipeline Project (Project) in order to assess any potential impacts to the PWS. An additional letter was sent with an updated project description on October 27, 2016.

A brief description of the Project was included as well a Site Map related to the location of the PWS in question.

Delivery confirmation indicated the initial letter was returned on 9/30/16 due to inability to reach the recipient for signature, and the subsequent letter on October 28, 2016.



September 20, 2016

**HARMONY ESTATES MHP**  
**123 Gilpin Drive**  
**West Chester, PA 19382**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

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The following attachments are included for your review:

- Site Map showing the location of the proposed pipeline Project ROW as it relates to the Public Water Supply Areas obtained from the Pennsylvania Department of Environmental Protection's eMapPA application.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



October 14, 2016

Dear Sir or Madam,

The enclosed letter is on behalf of Sunoco Pipeline, L.P. (SPLP), in regards to a previously delivered letter dated September 20, 2016 referencing the Chapter 105 Water Obstruction and Encroachments Permit for the Pennsylvania Pipeline Project (Project). In that letter the project description indicated the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. The Project also includes the installation of a 16-inch pipeline within the same previously described 306-mile, 50-foot-wide right-of-way (ROW). The intention of this letter is to clarify the two planned parallel pipelines. Routing and workspaces will not change from what was previously indicated.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird', written in a cursive style.

Joshua S. Baird

Tetra Tech, Inc.



October 14, 2016

**HARMONY ESTATES MHP**  
**123 Gilpin Drive**  
**West Chester, PA 19382**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of two parallel pipelines within an approximately 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. A 20-inch diameter pipeline will be installed within the ROW from Houston to Marcus Hook (306 miles) and a second, 16-inch diameter pipeline, will also be installed in the same ROW. The second line is proposed to be installed from SPLP's Delmont Station, Westmoreland County, Pennsylvania to the Marcus Hook facility, paralleling the initial line for approximately 255 miles. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

As part of the PADEP permit requirements, we and Sunoco respectfully request your review of the Project's location as it relates to your Public Water Supply (PWS) source(s) and/or facility(s), and assess any potential impacts to the PWS. SPLP also requests the approximate location and/or name of the waterbody that is the water supply. If you require additional information and/or consultation pertaining to the Project, please contact Joshua Baird using the contact info listed below. **If further consultation is not initiated by October 18, SPLP will deem the Project in good standing as it relates to your PWS, and will proceed as planned.**

The following attachments are included for your review:

- Site Map showing the location of the proposed pipeline Project ROW as it relates to the Public Water Supply Areas obtained from the Pennsylvania Department of Environmental Protection's eMapPA application.

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Thank you for your timely response to this matter.

Sincerely,

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Joshua S. Baird  
Tetra Tech, Inc.






Enclosures: Site Map

# HARMONY ESTATES MHP

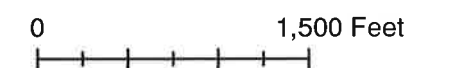
## Global Indicator



## Legend

-  Proposed Pipeline
-  PA State Roads
-  PA County
-  PA Municipality
-  Public Water Supply Area

## Sunoco PA Pipeline Project Public Water Supply Area



Prepared For:



Prepared By:



Date:  
9/2016

Base Map:  
ESRI World Imagery, October 2011  
Coordinate System NAD 83  
Stateplane, PA South, Feet



**777275703470**

Ship date:  
**Tue 9/20/2016**



Scheduled delivery:  
**Pending**

**TETRA TECH - HOME**  
JOSH BAIRD  
301 ELLICOTT STREET  
Buffalo, NY US 14203  
716 849-9419

**Harmony Estates MHP**  
Kim Losh  
c/o PMI Management  
123 Gilpin Drive  
WEST CHESTER, PA US 19382  
717 730-4141

**Unable to deliver shipment, returned to shipper**

**Recommended action:**  
No action is required. The package is being returned to the shipper.

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**Travel History**

Date/Time	Activity	Location
9/28/2016 - Wednesday		
9:26 am	Returning package to shipper Return tracking number <a href="#">777336496603</a>	WEST CHESTER, PA
8:51 am	At local FedEx facility	WEST CHESTER, PA
9/27/2016 - Tuesday		
9:32 am	At local FedEx facility	WEST CHESTER, PA
9/26/2016 - Monday		
9:39 am	At local FedEx facility	WEST CHESTER, PA
9/24/2016 - Saturday		
11:39 am	At local FedEx facility	WEST CHESTER, PA
11:26 am	Delivery exception	WEST CHESTER, PA
10:25 am	At local FedEx facility	WEST CHESTER, PA
9/23/2016 - Friday		
2:40 pm	At local FedEx facility	WEST CHESTER, PA
11:49 am	Delivery exception Customer not available or business closed	WEST CHESTER, PA
8:52 am	On FedEx vehicle for delivery	WEST CHESTER, PA
7:46 am	At local FedEx facility	WEST CHESTER, PA
9/22/2016 - Thursday		
11:50 am	At local FedEx facility	WEST CHESTER, PA
11:04 am	Delivery exception Customer not available or business closed	WEST CHESTER, PA
8:49 am	On FedEx vehicle for delivery	WEST CHESTER, PA
7:40 am	At local FedEx facility	WEST CHESTER, PA



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- Small Business Center
- Service Guide
- Customer Support
- Company Information**
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tracking number

United States - English

Ask FedEx

## Laviolette, Carrie

---

**From:** trackingupdates@fedex.com  
**Sent:** Friday, October 28, 2016 3:26 PM  
**To:** Laviolette, Carrie  
**Subject:** FedEx Shipment 777571134410 Delivered

# Your package has been delivered

Tracking # 777571134410

Ship date:  
**Thu, 10/27/2016**

**JOSH BAIRD**

TETRA TECH -  
HOME  
Buffalo, NY 14203  
US



Delivered

Delivery date:  
**Fri, 10/28/2016  
3:24 pm**

**Harmony Estates  
Mobile Home Park**  
123 Gilpin Drive  
WEST CHESTER,  
PA 19382  
US



## Shipment Facts

Our records indicate that the following package has been delivered.

**Tracking number:** [777571134410](#)

**Status:** Delivered:  
10/28/2016 3:24 PM  
Signed for By:  
Signature not  
required

**Reference:** 112IC05958, 16

**Signed for by:** Signature not  
required

**Delivery location:** WEST CHESTER,  
PA

**Delivered to:** Residence


**Service type:** FedEx Standard  
Overnight

**Packaging type:** FedEx Envelope

**Number of pieces:** 1

**Weight:** 0.50 lb.

<b>Special handling/Services:</b>	No Signature Required
	Deliver Weekday
	Residential Delivery
<b>Standard transit:</b>	10/28/2016 by 8:00 pm

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 2:25 PM CDT on 10/28/2016.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Standard transit is the date and time the package is scheduled to be delivered by, based on the selected service, destination and ship date. Limitations and exceptions may apply. Please see the FedEx Service Guide for terms and conditions of service, including the FedEx Money-Back Guarantee, or contact your FedEx Customer Support representative.

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Thank you for your business.

---

**To:** Heidelberg Twp Muni Auth Telephone: 717-949-6977

**Contact name:** Ed Hartman

---

**From:** Josh Baird (Tt)

---

**Date:** September 20, 2016

---

**Subject:** Sunoco Pipeline L.P. – Pennsylvania Pipeline Project Public Water Supply Coordination

---

A letter was sent to Ed Hartman at Heidelberg Twp Muni Auth on September 20, 2016 requesting information regarding Public Water Supply (PWS) source(s) and/or facility(s) in location to the Pennsylvania Pipeline Project (Project) in order to assess any potential impacts to the PWS. An additional letter was sent with an updated project description on October 14, 2016.

A brief description of the Project was included as well a Site Map related to the location of the PWS in question.

Delivery confirmation indicated the initial letter was received on September 23, 2016, and the subsequent letter on October 19, 2016.

Received a phone call on 9/30/16 requesting the information via email. Email with information was sent on 10/3/16. A letter indicating no impact was received on 10/19/16.



September 20, 2016

**HEIDELBERG TWP MUNI AUTH  
Po Box 248  
Schaefferstown, PA 17088**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project  
Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

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Thank you for your timely response to this matter.

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Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



October 14, 2016

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Joshua S. Baird

Tetra Tech, Inc.



October 14, 2016

**HEIDELBERG TWP MUNI AUTH**  
**Po Box 248**  
**Schaefferstown, PA 17088**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

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Thank you for your timely response to this matter.

Sincerely,

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Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map








**HEIDELBERG TWP MUNICIPALITY**

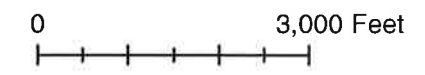
**Global Indicator**



**Legend**

-  Proposed Pipeline
-  PA State Roads
-  PA County
-  PA Municipality
-  Public Water Supply Area

**Sunoco PA Pipeline Project  
Public Water Supply Area**



Prepared For:



Prepared By:



Date:

9/2016

Base Map:  
ESRI World Imagery, October 2011  
Coordinate System NAD 83  
Stateplane, PA South, Feet





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## Delivered

Updated Delivery Day: **Friday, September 23, 2016**

Scheduled Delivery Day: Thursday, September 22, 2016, 3:00 pm

**Money Back Guarantee**

Signed for By: **H LEED // SCHAEFFERSTOWN, PA 17088 // 8:21 am**

## Product & Tracking Information

**Postal Product:**

Priority Mail Express 1-Day™

**Features:**

Insured PO to Addressee  
Up to \$100 insurance included  
Restrictions Apply

## Available Actions

[Proof of Delivery](#)

DATE & TIME	STATUS OF ITEM	LOCATION
September 23, 2016 , 8:21 am	Delivered	SCHAEFFERSTOWN, PA 17088
Your item was delivered at 8:21 am on September 23, 2016 in SCHAEFFERSTOWN, PA 17088. The item was signed for by H LEED.		
September 22, 2016 , 1:05 pm	Available for Pickup	SCHAEFFERSTOWN, PA 17088
September 22, 2016 , 1:04 pm	Arrived at Post Office	SCHAEFFERSTOWN, PA 17088
September 22, 2016 , 8:12 am	Arrived at USPS Destination Facility	HARRISBURG, PA 17107
September 21, 2016 , 6:13 pm	Arrived at USPS Origin Facility	BUFFALO, NY 14240
September 21, 2016 , 1:24 pm	Acceptance	BUFFALO, NY 14203

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**From:** [auto-reply@usps.com](mailto:auto-reply@usps.com)  
**To:** [Grosse, Nate](#)  
**Subject:** USPS Item Delivered, PO Box for Shipment 9505516150686291025163  
**Date:** Wednesday, October 19, 2016 10:20:23 AM

---



**Tracking Number: 9505516150686291025163**

---

**Hello Nate Grosse,**

**Thank you for using USPS.com.**

This is a post-only message. Please do not respond.

Nate Grosse has requested that you receive a USPS Tracking<sup>®</sup> delivery or delivery attempt update, as shown below.

USPS Tracking<sup>®</sup> e-mail update information provided by the U.S. Postal Service.

Tracking Number: [9505516150686291025163](#)

Updated Delivery Date: October 19, 2016

Service Type: USPS Tracking<sup>®</sup>

---

<b>Shipment Activity</b>	<b>Location</b>	<b>Date &amp; Time</b>	<b>Shipping Partner</b>
Delivered, PO Box	SCHAEFFERSTOWN, PA 17088	October 19, 2016 8:48 am	
Arrived at Post Office	SCHAEFFERSTOWN, PA 17088	October 19, 2016 8:48 am	
Departed USPS Facility	HARRISBURG, PA 17107	October 19, 2016 5:19 am	
Arrived at USPS Facility	HARRISBURG, PA 17107	October 18, 2016	

Departed USPS Facility	ROCHESTER, NY 14606	1:28 pm October 18, 2016 7:40 am
Arrived at USPS Origin Facility	ROCHESTER, NY 14606	October 17, 2016 10:06 pm
Departed Post Office	BUFFALO, NY 14203	October 17, 2016 7:33 pm
Acceptance	BUFFALO, NY 14203	October 17, 2016 1:39 pm

---

Reminder: USPS Tracking® by email

Date of email request: October 19, 2016

Future activity will continue to be emailed for up to 2 weeks from the Date of Request shown above. If you need to initiate the USPS Tracking® by email process again at the end of the 2 weeks, please do so at the USPS Tracking® site at <http://www.usps.com/shipping/uspstrackingfaqs.htm>

Results provided by the U.S. Postal Service.

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---

**To:** Highlands S & W Auth Beaverdam Telephone: 814-266-3146

**Contact name:** Edward J. Englehart

---

**From:** Josh Baird (Tt)

---

**Date:** September 20, 2016

---

**Subject:** Sunoco Pipeline L.P. – Pennsylvania Pipeline Project Public Water Supply Coordination

---

A letter was sent to Edward J. Englehart at Highlands S & W Auth Beaverdam on September 20, 2016 requesting information regarding Public Water Supply (PWS) source(s) and/or facility(s) in location to the Pennsylvania Pipeline Project (Project) in order to assess any potential impacts to the PWS. An additional letter was sent with an updated project description on October 14, 2016.

A brief description of the Project was included as well a Site Map related to the location of the PWS in question.

Delivery confirmation indicated the initial letter was received on September 21, 2016, and the subsequent letter on October 17, 2016.

Received an email on 9/21/16 indicating source location, and stating no impact.



September 20, 2016

**HIGHLAND S & W AUTH BEAVERDAM  
120 Tank Dr  
Johnstown, PA 15904**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project  
Public Water Supply Coordination**

Dear Sir or Madam,

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Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



October 14, 2016

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Joshua S. Baird

Tetra Tech, Inc.



October 14, 2016

**HIGHLAND S & W AUTH BEAVERDAM**  
**120 Tank Dr**  
**Johnstown, PA 15904**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

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If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

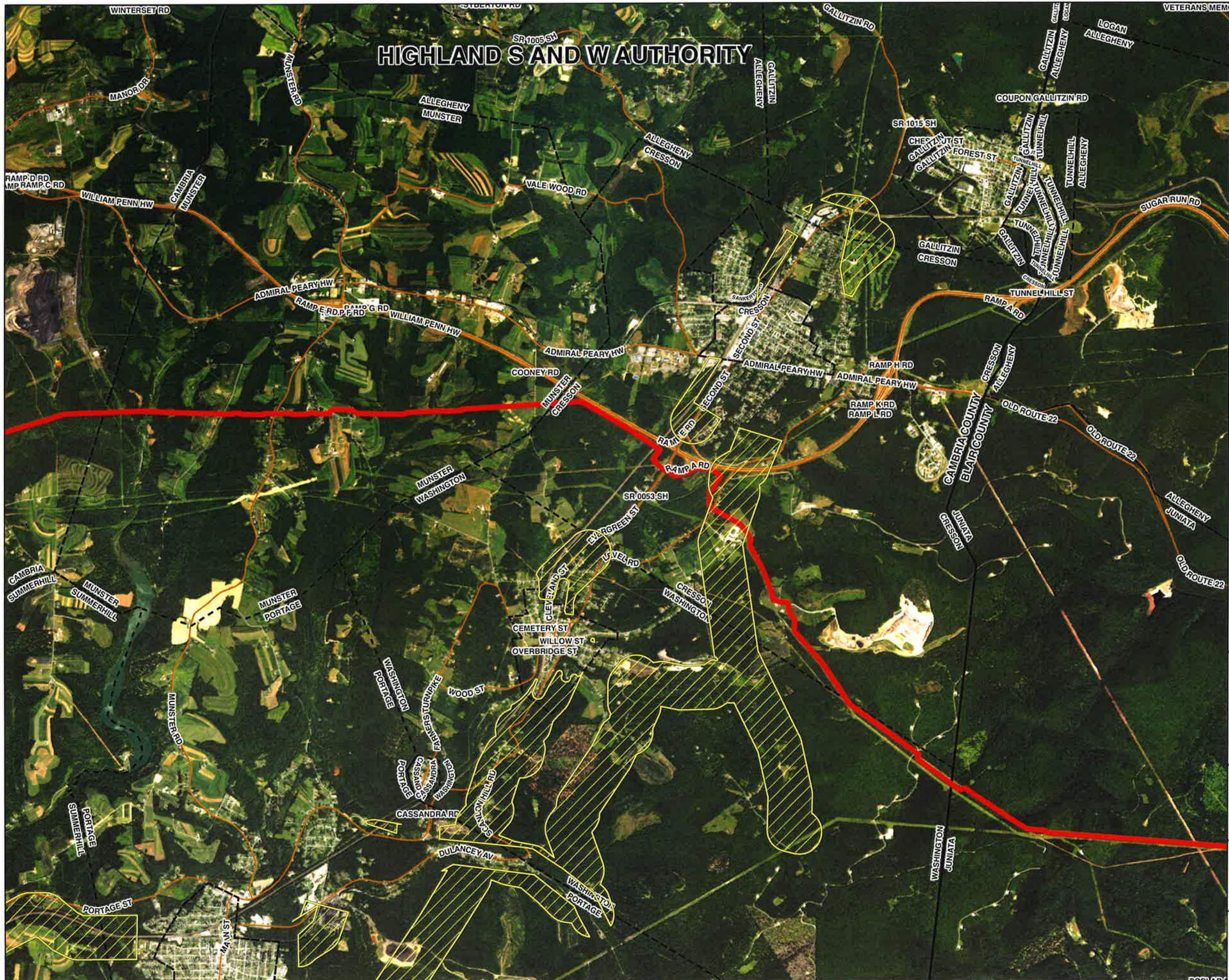
Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



# HIGHLAND SAND & W AUTHORITY

## Global Indicator



### Legend

- Proposed Pipeline
- PA State Roads
- PA County
- PA Municipality
- Public Water Supply Area

### Sunoco PA Pipeline Project Public Water Supply Area

0 6,000 Feet

Prepared For:

Prepared By:

Date:  
9/2016

Base Map:  
ESRI World Imagery, October 2011  
Coordinate System NAD 83  
Stateplane, PA South, Feet

## Laviolette, Carrie

---

**From:** trackingupdates@fedex.com  
**Sent:** Wednesday, September 21, 2016 10:39 AM  
**To:** Laviolette, Carrie  
**Subject:** FedEx Shipment 777275721880 Delivered

## Your package has been delivered

Tracking # 777275721880

Ship date:  
**Tue, 9/20/2016**

**JOSH BAIRD**

TETRA TECH -  
HOME  
Buffalo, NY 14203  
US



Delivered

Delivery date:  
**Wed, 9/21/2016  
10:37 am**

**Edward J. Englehart,  
Mgr.**

Highland S&W Auth -  
Beaverdam  
120 Tank Drive  
JOHNSTOWN, PA  
15904  
US



### Shipment Facts


Our records indicate that the following package has been delivered.

<b>Tracking number:</b>	<a href="#">777275721880</a>
<b>Status:</b>	Delivered: 09/21/2016 10:37 AM Signed for By: D.MORISA
<b>Reference:</b>	112IC05958, 16
<b>Signed for by:</b>	D.MORISA
<b>Delivery location:</b>	JOHNSTOWN, PA
<b>Delivered to:</b>	Receptionist/Front Desk
<b>Service type:</b>	FedEx Standard Overnight
<b>Packaging type:</b>	FedEx Envelope
<b>Number of pieces:</b>	1
<b>Weight:</b>	0.50 lb.

<b>Special handling/Services:</b>	Direct Signature Required
-----------------------------------	---------------------------

Deliver Weekday

<b>Standard transit:</b>	9/21/2016 by 4:30 pm
--------------------------	----------------------

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 9:38 AM CDT on 09/21/2016.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Standard transit is the date and time the package is scheduled to be delivered by, based on the selected service, destination and ship date. Limitations and exceptions may apply. Please see the FedEx Service Guide for terms and conditions of service, including the FedEx Money-Back Guarantee, or contact your FedEx Customer Support representative.

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**777470951183**

Ship date:  
**Fri 10/14/2016**



**Delivered**

Signed for by: H.HOHON



**TETRA TECH - HOME**  
 JOSH BAIRD  
 301 ELLICOTT STREET  
 Buffalo, NY US 14203  
 716 849-9419

Actual delivery:  
**Mon 10/17/2016 9:34 am**

Highland Sewer&Water Auth  
 Beaverdam  
 120 Tank Drive  
 JOHNSTOWN, PA US 15904  
 716 849-9419

tracking number

United States - English

**Travel History**

Date/Time	Activity	Location
- 10/17/2016 - Monday		
9:34 am	Delivered	JOHNSTOWN, PA
8:00 am	On FedEx vehicle for delivery	JOHNSTOWN, PA
- 10/15/2016 - Saturday		
12:07 pm	At local FedEx facility	JOHNSTOWN, PA
9:33 am	At local FedEx facility	JOHNSTOWN, PA
6:23 am	At destination sort facility	MOON TOWNSHIP, PA
4:27 am	In transit	MEMPHIS, TN
3:56 am	Departed FedEx location	MEMPHIS, TN
- 10/14/2016 - Friday		
11:21 pm	Arrived at FedEx location	MEMPHIS, TN
4:49 pm	Picked up	CHEEKTOWAGA, NY
10:28 am	Shipment information sent to FedEx	

Use | Security and Privacy

**Shipment Facts**

<b>Tracking number</b>	777470951183	<b>Service</b>	FedEx Standard Overnight
<b>Weight</b>	0.5 lbs / 0.23 kgs	<b>Signature services</b>	Adult signature required
<b>Delivery attempts</b>	1	<b>Delivered To</b>	Receptionist/Front Desk
<b>Total pieces</b>	1	<b>Total shipment weight</b>	0.5 lbs / 0.23 kgs
<b>Terms</b>	Not Available	<b>Shipper reference</b>	112IC05958, 16
<b>Packaging</b>	FedEx Envelope	<b>Special handling section</b>	Deliver Weekday, Adult Signature Required
<b>Standard transit</b>	10/17/2016 by 4:30 pm		

Ask FedEx

---

**To:** Highlands S & W Auth Lloydell Telephone: 814-266-3146

**Contact name:** Edward J. Englehart

---

**From:** Josh Baird (Tt)

---

**Date:** September 20, 2016

---

**Subject:** Sunoco Pipeline L.P. – Pennsylvania Pipeline Project Public Water Supply Coordination

---

A letter was sent to Edward J. Englehart at Highlands S & W Auth Lloydell on September 20, 2016 requesting information regarding Public Water Supply (PWS) source(s) and/or facility(s) in location to the Pennsylvania Pipeline Project (Project) in order to assess any potential impacts to the PWS. An additional letter was sent with an updated project description on October 14, 2016.

A brief description of the Project was included as well a Site Map related to the location of the PWS in question.

Delivery confirmation indicated the initial letter was received on September 21, 2016, and the subsequent letter on October 17, 2016.

Received an email on 9/21/16 indicating source location, and stating no impact.



September 20, 2016

**HIGHLAND S & W AUTH LLOYDELL**  
**120 Tank Dr**  
**Johnstown, PA 15904**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

As part of the PADEP permit requirements, we and Sunoco respectfully request your review of the Project's location as it relates to your Public Water Supply (PWS) source(s) and/or facility(s), and assess any potential impacts to the PWS. SPLP also requests the approximate location and/or name of the waterbody that is the water supply. If you require additional information and/or consultation pertaining to the Project, please contact Joshua Baird using the contact info listed below. **If further consultation is not initiated by October 6, SPLP will deem the Project in good standing as it relates to your PWS, and will proceed as planned.**

The following attachments are included for your review:

- Site Map showing the location of the proposed pipeline Project ROW as it relates to the Public Water Supply Areas obtained from the Pennsylvania Department of Environmental Protection's eMapPA application.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



October 14, 2016

Dear Sir or Madam,

The enclosed letter is on behalf of Sunoco Pipeline, L.P. (SPLP), in regards to a previously delivered letter dated September 20, 2016 referencing the Chapter 105 Water Obstruction and Encroachments Permit for the Pennsylvania Pipeline Project (Project). In that letter the project description indicated the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. The Project also includes the installation of a 16-inch pipeline within the same previously described 306-mile, 50-foot-wide right-of-way (ROW). The intention of this letter is to clarify the two planned parallel pipelines. Routing and workspaces will not change from what was previously indicated.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird', written in a cursive style.

Joshua S. Baird

Tetra Tech, Inc.



October 14, 2016

**HIGHLAND S & W AUTH LLOYDELL**  
120 Tank Dr  
Johnstown, PA 15904

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project  
Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of two parallel pipelines within an approximately 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. A 20-inch diameter pipeline will be installed within the ROW from Houston to Marcus Hook (306 miles) and a second, 16-inch diameter pipeline, will also be installed in the same ROW. The second line is proposed to be installed from SPLP's Delmont Station, Westmoreland County, Pennsylvania to the Marcus Hook facility, paralleling the initial line for approximately 255 miles. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

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If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

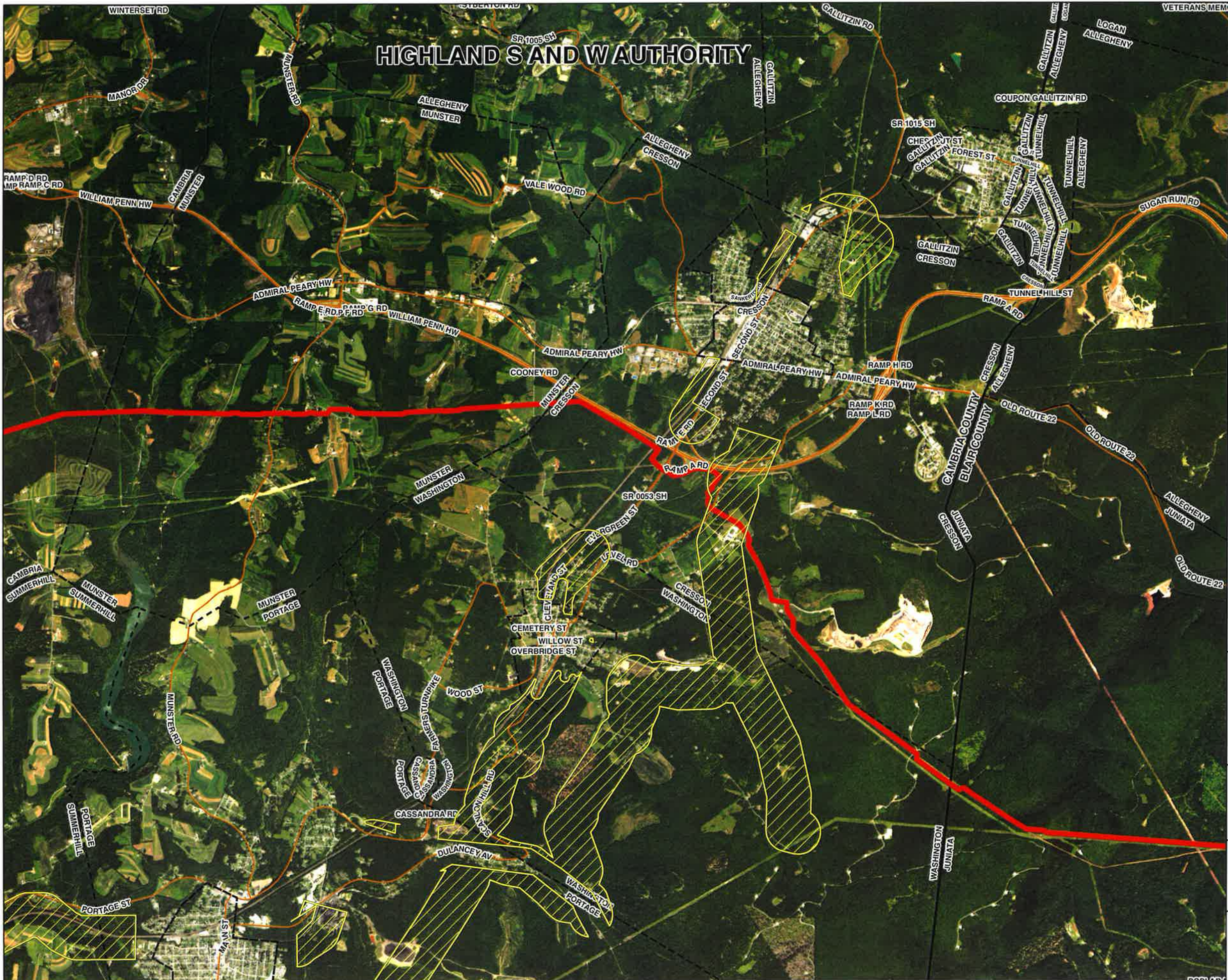
Thank you for your timely response to this matter.

Sincerely,

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Joshua S. Baird  
Tetra Tech, Inc.






Enclosures: Site Map



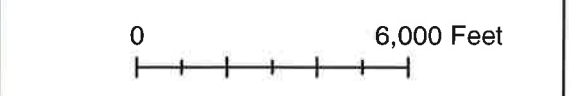
**Global Indicator**



**Legend**

-  Proposed Pipeline
-  PA State Roads
-  PA County
-  PA Municipality
-  Public Water Supply Area

**Sunoco PA Pipeline Project  
Public Water Supply Area**




Prepared For:  


Prepared By:  

Date:  
9/2016

Base Map:  
 ESRI World Imagery, October 2011  
 Coordinate System NAD 83  
 Stateplane, PA South, Feet




## Laviolette, Carrie

---

**From:** trackingupdates@fedex.com  
**Sent:** Monday, October 17, 2016 9:40 AM  
**To:** Laviolette, Carrie  
**Subject:** FedEx Shipment 777470967470 Delivered

# Your package has been delivered

Tracking # 777470967470

Ship date: <b>Fri, 10/14/2016</b>	Delivery date: <b>Mon, 10/17/2016 9:34 am</b>	
<b>JOSH BAIRD</b> TETRA TECH - HOME Buffalo, NY 14203 US	 <b>Delivered</b>	<b>Highland</b> <b>Sewer&amp;Water Auth.</b> <b>Lloydell</b> 120 Tank Drive JOHNSTOWN, PA 15904 US

## Shipment Facts

Our records indicate that the following package has been delivered.


<b>Tracking number:</b>	<a href="#">777470967470</a>
<b>Status:</b>	Delivered: 10/17/2016 09:34 AM Signed for By: H.HOHON
<b>Reference:</b>	112IC05958, 16
<b>Signed for by:</b>	H.HOHON
<b>Delivery location:</b>	JOHNSTOWN, PA
<b>Delivered to:</b>	Receptionist/Front Desk
<b>Service type:</b>	FedEx Standard Overnight
<b>Packaging type:</b>	FedEx Envelope
<b>Number of pieces:</b>	1
<b>Weight:</b>	0.50 lb.



<b>Special handling/Services:</b>	Adult Signature Required
-----------------------------------	--------------------------

Deliver Weekday

<b>Standard transit:</b>	10/17/2016 by 4:30 pm
--------------------------	-----------------------

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 8:39 AM CDT on 10/17/2016.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Standard transit is the date and time the package is scheduled to be delivered by, based on the selected service, destination and ship date. Limitations and exceptions may apply. Please see the FedEx Service Guide for terms and conditions of service, including the FedEx Money-Back Guarantee, or contact your FedEx Customer Support representative.

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Thank you for your business.

---

**To:** Highlands S & W Auth Northern End Telephone: 814-266-3146

**Contact name:** Edward J. Englehart

---

**From:** Josh Baird (Tt)

---

**Date:** September 20, 2016

---

**Subject:** Sunoco Pipeline L.P. – Pennsylvania Pipeline Project Public Water Supply Coordination

---

A letter was sent to Edward J. Englehart at Highlands S & W Auth Northern End on September 20, 2016 requesting information regarding Public Water Supply (PWS) source(s) and/or facility(s) in location to the Pennsylvania Pipeline Project (Project) in order to assess any potential impacts to the PWS. An additional letter was sent with an updated project description on October 14, 2016.

A brief description of the Project was included as well a Site Map related to the location of the PWS in question.

Delivery confirmation indicated the initial letter was received on September 21, 2016, and the subsequent letter on October 17, 2016.

Received an email on 9/21/16 indicating source location, and stating no impact.



September 20, 2016

**HIGHLAND S&W AUTH NORTHERN END  
120 Tank Dr  
Johnstown, PA 15904**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project  
Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

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Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



October 14, 2016

Dear Sir or Madam,

The enclosed letter is on behalf of Sunoco Pipeline, L.P. (SPLP), in regards to a previously delivered letter dated September 20, 2016 referencing the Chapter 105 Water Obstruction and Encroachments Permit for the Pennsylvania Pipeline Project (Project). In that letter the project description indicated the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. The Project also includes the installation of a 16-inch pipeline within the same previously described 306-mile, 50-foot-wide right-of-way (ROW). The intention of this letter is to clarify the two planned parallel pipelines. Routing and workspaces will not change from what was previously indicated.

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Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird', with a stylized flourish at the end.

Joshua S. Baird

Tetra Tech, Inc.



October 14, 2016

**HIGHLAND S&W AUTH NORTHERN END**  
**120 Tank Dr**  
**Johnstown, PA 15904**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of two parallel pipelines within an approximately 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. A 20-inch diameter pipeline will be installed within the ROW from Houston to Marcus Hook (306 miles) and a second, 16-inch diameter pipeline, will also be installed in the same ROW. The second line is proposed to be installed from SPLP's Delmont Station, Westmoreland County, Pennsylvania to the Marcus Hook facility, paralleling the initial line for approximately 255 miles. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

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If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

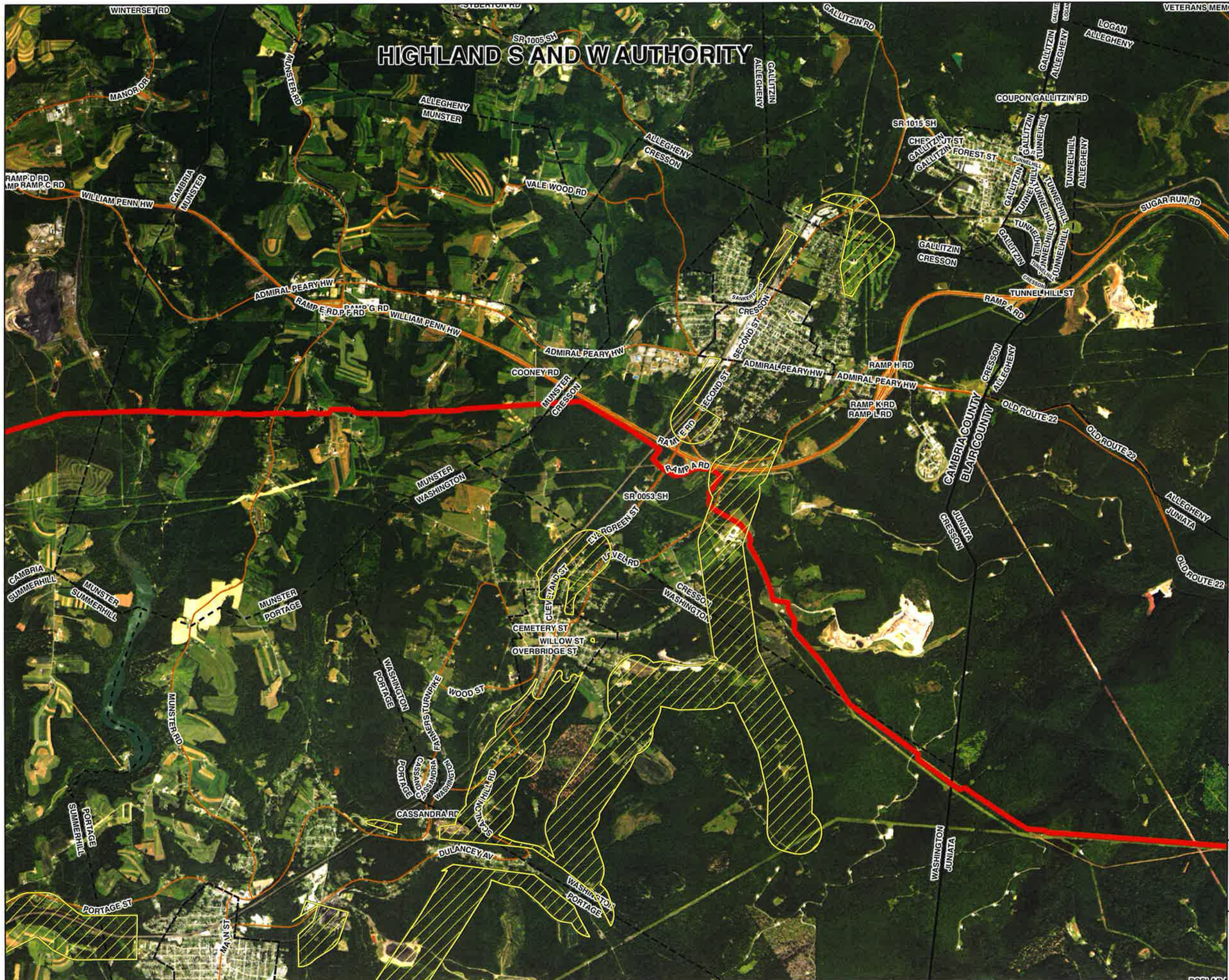
Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



# HIGHLAND SAND & WATER AUTHORITY

## Global Indicator



### Legend

- Proposed Pipeline
- PA State Roads
- PA County
- PA Municipality
- Public Water Supply Area

### Sunoco PA Pipeline Project Public Water Supply Area

0 6,000 Feet

Prepared For:

Prepared By:

Date: 9/2016

Base Map:  
ESRI World Imagery, October 2011  
Coordinate System NAD 83  
Stateplane, PA South, Feet


## Laviolette, Carrie

---

**From:** trackingupdates@fedex.com  
**Sent:** Monday, October 17, 2016 9:40 AM  
**To:** Laviolette, Carrie  
**Subject:** FedEx Shipment 777470987596 Delivered

## Your package has been delivered

Tracking # 777470987596

Ship date: <b>Fri, 10/14/2016</b>	Delivery date: <b>Mon, 10/17/2016 9:34 am</b>	
<b>JOSH BAIRD</b> TETRA TECH - HOME Buffalo, NY 14203 US	 <b>Delivered</b>	<b>Highland S&amp;W Authority Northern End</b> 120 Tank Drive JOHNSTOWN, PA 15904 US

### Shipment Facts

Our records indicate that the following package has been delivered.


<b>Tracking number:</b>	<a href="#">777470987596</a>
<b>Status:</b>	Delivered: 10/17/2016 09:34 AM Signed for By: H.HOHON
<b>Reference:</b>	112IC05958, 16
<b>Signed for by:</b>	H.HOHON
<b>Delivery location:</b>	JOHNSTOWN, PA
<b>Delivered to:</b>	Receptionist/Front Desk
<b>Service type:</b>	FedEx Standard Overnight
<b>Packaging type:</b>	FedEx Envelope
<b>Number of pieces:</b>	1
<b>Weight:</b>	0.50 lb.



<b>Special handling/Services:</b>	Adult Signature Required
-----------------------------------	--------------------------

Deliver Weekday

<b>Standard transit:</b>	10/17/2016 by 4:30 pm
--------------------------	-----------------------

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 8:39 AM CDT on 10/17/2016.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Standard transit is the date and time the package is scheduled to be delivered by, based on the selected service, destination and ship date. Limitations and exceptions may apply. Please see the FedEx Service Guide for terms and conditions of service, including the FedEx Money-Back Guarantee, or contact your FedEx Customer Support representative.

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Thank you for your business.

---

**To:** Highridge Water Auth      Telephone: 888-557-4343

**Contact name:** George E. Sulkosky

---

**From:** Josh Baird (Tt)

---

**Date:** September 20, 2016

---

**Subject:** Sunoco Pipeline L.P. – Pennsylvania Pipeline Project Public Water Supply Coordination

---

A letter was sent to George E. Sulkosky at Highridge Water Auth on September 20, 2016 requesting information regarding Public Water Supply (PWS) source(s) and/or facility(s) in location to the Pennsylvania Pipeline Project (Project) in order to assess any potential impacts to the PWS. An additional letter was sent with an updated project description on October 14, 2016.

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Delivery confirmation indicated the initial letter was received on September 21, 2016, and the subsequent letter on October 17, 2016.

Received email on 9/23/16 stating no impact.



September 20, 2016

**HIGHRIDGE WATER AUTH  
17 Maple Avenue  
Blairsville, PA 15717**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project  
Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

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- Site Map showing the location of the proposed pipeline Project ROW as it relates to the Public Water Supply Areas obtained from the Pennsylvania Department of Environmental Protection's eMapPA application.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



October 14, 2016

Dear Sir or Madam,

The enclosed letter is on behalf of Sunoco Pipeline, L.P. (SPLP), in regards to a previously delivered letter dated September 20, 2016 referencing the Chapter 105 Water Obstruction and Encroachments Permit for the Pennsylvania Pipeline Project (Project). In that letter the project description indicated the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. The Project also includes the installation of a 16-inch pipeline within the same previously described 306-mile, 50-foot-wide right-of-way (ROW). The intention of this letter is to clarify the two planned parallel pipelines. Routing and workspaces will not change from what was previously indicated.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird', written in a cursive style.

Joshua S. Baird

Tetra Tech, Inc.



October 14, 2016

**HIGHRIDGE WATER AUTH**  
**17 Maple Avenue**  
**Blairsville, PA 15717**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of two parallel pipelines within an approximately 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. A 20-inch diameter pipeline will be installed within the ROW from Houston to Marcus Hook (306 miles) and a second, 16-inch diameter pipeline, will also be installed in the same ROW. The second line is proposed to be installed from SPLP's Delmont Station, Westmoreland County, Pennsylvania to the Marcus Hook facility, paralleling the initial line for approximately 255 miles. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

As part of the PADEP permit requirements, we and Sunoco respectfully request your review of the Project's location as it relates to your Public Water Supply (PWS) source(s) and/or facility(s), and assess any potential impacts to the PWS. SPLP also requests the approximate location and/or name of the waterbody that is the water supply. If you require additional information and/or consultation pertaining to the Project, please contact Joshua Baird using the contact info listed below. **If further consultation is not initiated by October 18, SPLP will deem the Project in good standing as it relates to your PWS, and will proceed as planned.**

The following attachments are included for your review:

- Site Map showing the location of the proposed pipeline Project ROW as it relates to the Public Water Supply Areas obtained from the Pennsylvania Department of Environmental Protection's eMapPA application.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map

# HIGHRIDGE WATER AUTHORITY

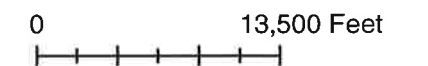
## Global Indicator



## Legend

- Proposed Pipeline
- PA State Roads
- PA County
- PA Municipality
- Public Water Supply Area

### Sunoco PA Pipeline Project Public Water Supply Area



Prepared For:



Prepared By:



Date:  
9/2016

Base Map;  
ESRI World Imagery, October 2011  
Coordinate System NAD 83  
Stateplane, PA South, Feet



## Laviolette, Carrie

---

**From:** trackingupdates@fedex.com  
**Sent:** Wednesday, September 21, 2016 12:34 PM  
**To:** Laviolette, Carrie  
**Subject:** FedEx Shipment 777275779110 Delivered

## Your package has been delivered

Tracking # 777275779110

Ship date:  
**Tue, 9/20/2016**

**JOSH BAIRD**

TETRA TECH -  
HOME  
Buffalo, NY 14203  
US



Delivered

Delivery date:  
**Wed, 9/21/2016  
12:31 pm**

**George E. Sulkosky,**  
**Ex. Director**

Highridge Water  
Authority  
17 Maple Avenue  
BLAIRSVILLE, PA  
15717  
US

**FedEx**

### Shipment Facts


Our records indicate that the following package has been delivered.

<b>Tracking number:</b>	<a href="#">777275779110</a>
<b>Status:</b>	Delivered: 09/21/2016 12:31 PM Signed for By: C.HRISTINE
<b>Reference:</b>	112IC05958, 16
<b>Signed for by:</b>	C.HRISTINE
<b>Delivery location:</b>	BLAIRSVILLE, PA
<b>Delivered to:</b>	Receptionist/Front Desk
<b>Service type:</b>	FedEx Standard Overnight
<b>Packaging type:</b>	FedEx Envelope
<b>Number of pieces:</b>	1
<b>Weight:</b>	0.50 lb.

<b>Special handling/Services:</b>	Direct Signature Required
-----------------------------------	---------------------------

Deliver Weekday

<b>Standard transit:</b>	9/21/2016 by 4:30 pm
--------------------------	----------------------

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 11:33 AM CDT on 09/21/2016.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Standard transit is the date and time the package is scheduled to be delivered by, based on the selected service, destination and ship date. Limitations and exceptions may apply. Please see the FedEx Service Guide for terms and conditions of service, including the FedEx Money-Back Guarantee, or contact your FedEx Customer Support representative.

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**777471011115**

Ship date:  
**Fri 10/14/2016**



**Delivered**

Signed for by: C.BUFFONE



**TETRA TECH - HOME**  
 JOSH BAIRD  
 301 ELLICOTT STREET  
 Buffalo, NY US 14203  
 716 849-9419

Actual delivery:  
**Mon 10/17/2016 11:42 am**

Highridge Water Authority  
 17 Maple Avenue  
 BLAIRSVILLE, PA US 15717  
 716 849-9419

tracking number

United States - English

**Travel History**

Date/Time	Activity	Location
<b>10/17/2016 - Monday</b>		
11:42 am	Delivered	BLAIRSVILLE, PA
8:52 am	On FedEx vehicle for delivery	JOHNSTOWN, PA
<b>10/15/2016 - Saturday</b>		
12:07 pm	At local FedEx facility	JOHNSTOWN, PA
9:33 am	At local FedEx facility	JOHNSTOWN, PA
6:23 am	At destination sort facility	MOON TOWNSHIP, PA
4:27 am	In transit	MEMPHIS, TN
3:56 am	Departed FedEx location	MEMPHIS, TN
<b>10/14/2016 - Friday</b>		
11:21 pm	Arrived at FedEx location	MEMPHIS, TN
4:49 pm	Picked up	CHEEKTOWAGA, NY
10:39 am	Shipment information sent to FedEx	

Use | Security and Privacy

**Shipment Facts**

<b>Tracking number</b>	777471011115	<b>Service</b>	FedEx Standard Overnight
<b>Weight</b>	0.5 lbs / 0.23 kgs	<b>Signature services</b>	Adult signature required
<b>Delivery attempts</b>	1	<b>Delivered To</b>	Receptionist/Front Desk
<b>Total pieces</b>	1	<b>Total shipment weight</b>	0.5 lbs / 0.23 kgs
<b>Terms</b>	Not Available	<b>Shipper reference</b>	112IC05958, 16
<b>Packaging</b>	FedEx Envelope	<b>Special handling section</b>	Deliver Weekday, Adult Signature Required
<b>Standard transit</b>	10/17/2016 by 4:30 pm		

Ask FedEx

---

**To:** Hillside Mhp Telephone: 717-576-3155

**Contact name:** Steve Hollenbaugh

---

**From:** Josh Baird (Tt)

---

**Date:** September 20, 2016

---

**Subject:** Sunoco Pipeline L.P. – Pennsylvania Pipeline Project Public Water Supply Coordination

---

A letter was sent to Steve Hollenbaugh at Hillside Mhp on September 20, 2016 requesting information regarding Public Water Supply (PWS) source(s) and/or facility(s) in location to the Pennsylvania Pipeline Project (Project) in order to assess any potential impacts to the PWS. An additional letter was sent with an updated project description on October 14, 2016.

A brief description of the Project was included as well a Site Map related to the location of the PWS in question.

Delivery confirmation indicated the initial letter was received on September 24, 2016, and the subsequent letter on October 20, 2016.



September 20, 2016

**HILLSIDE MHP  
2404 Walnut Bottom Road  
Carlisle, PA 17015**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project  
Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

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The following attachments are included for your review:

- Site Map showing the location of the proposed pipeline Project ROW as it relates to the Public Water Supply Areas obtained from the Pennsylvania Department of Environmental Protection's eMapPA application.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



October 14, 2016

Dear Sir or Madam,

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Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird', with a stylized flourish at the end.

Joshua S. Baird

Tetra Tech, Inc.



October 14, 2016

**HILLSIDE MHP**  
**2404 Walnut Bottom Road**  
**Carlisle, PA 17015**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of two parallel pipelines within an approximately 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. A 20-inch diameter pipeline will be installed within the ROW from Houston to Marcus Hook (306 miles) and a second, 16-inch diameter pipeline, will also be installed in the same ROW. The second line is proposed to be installed from SPLP's Delmont Station, Westmoreland County, Pennsylvania to the Marcus Hook facility, paralleling the initial line for approximately 255 miles. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

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If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map

# HILLSIDE MHP

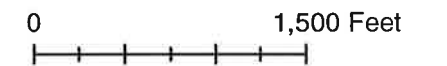
## Global Indicator



## Legend

- Proposed Pipeline
- PA State Roads
- PA County
- PA Municipality
- Public Water Supply Area

## Sunoco PA Pipeline Project Public Water Supply Area



Prepared For:



Prepared By:



Date:  
9/2016

Base Map;  
ESRI World Imagery, October 2011  
Coordinate System NAD 83  
Stateplane, PA South, Feet



## Laviolette, Carrie

---

**From:** trackingupdates@fedex.com  
**Sent:** Saturday, September 24, 2016 2:05 PM  
**To:** Laviolette, Carrie  
**Subject:** FedEx Shipment 777275794371 Delivered

# Your package has been delivered

Tracking # 777275794371

Ship date:  
**Tue, 9/20/2016**

**JOSH BAIRD**  
TETRA TECH -  
HOME  
Buffalo, NY 14203  
US



Delivery date:  
**Sat, 9/24/2016**  
**2:04 pm**

**Steve Hollenbaugh**  
Hillside MHP  
2404 Walnut Bottom  
Road  
CARLISLE, PA 17015  
US



## Shipment Facts

Our records indicate that the following package has been delivered.


<b>Tracking number:</b>	<a href="#">777275794371</a>
<b>Status:</b>	Delivered: 09/24/2016 2:04 PM Signed for By: S. HOLLENBAUGH
<b>Door Tag number:</b>	DT104394686116
<b>Reference:</b>	112IC05958, 16
<b>Signed for by:</b>	S. HOLLENBAUGH
<b>Delivery location:</b>	MIDDLETOWN, PA
<b>Delivered to:</b>	FedEx Location
<b>Service type:</b>	FedEx Standard Overnight
<b>Packaging type:</b>	FedEx Envelope
<b>Number of pieces:</b>	1
<b>Weight:</b>	0.50 lb.

**Special handling/Services:** Direct Signature Required

Deliver Weekday

Residential Delivery

**Standard transit:** 9/21/2016 by 8:00 pm

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 1:04 PM CDT on 09/24/2016.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Standard transit is the date and time the package is scheduled to be delivered by, based on the selected service, destination and ship date. Limitations and exceptions may apply. Please see the FedEx Service Guide for terms and conditions of service, including the FedEx Money-Back Guarantee, or contact your FedEx Customer Support representative.

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 Customer Support

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**777471033598**

Ship date:  
**Fri 10/14/2016**

Actual delivery:  
**Thu 10/20/2016 6:34 pm**

**Delivered**

Signed for by: *S. HOLLENBAUGH*

**TETRA TECH - HOME**  
 JOSH BAIRD  
 301 ELLICOTT STREET  
 Buffalo, NY US 14203  
 716 849-9419

Hillside Mobile Home Park  
 2404 Walnut Bottom Road  
 CARLISLE, PA US 17015  
 716 849-9419

tracking number

United States - English

**Travel History**

Date/Time	Activity	Location
<b>10/20/2016 - Thursday</b>		
6:34 pm	Delivered	MIDDLETOWN, PA
<b>10/19/2016 - Wednesday</b>		
6:42 pm	At local FedEx facility	MIDDLETOWN, PA
2:59 pm	Delivery exception Adult recipient unavailable (age and required identification vary by country)	MIDDLETOWN, PA
8:28 am	On FedEx vehicle for delivery	MIDDLETOWN, PA
7:23 am	At local FedEx facility	MIDDLETOWN, PA
<b>10/18/2016 - Tuesday</b>		
4:27 pm	At local FedEx facility	MIDDLETOWN, PA
2:37 pm	Delivery exception Adult recipient unavailable (age and required identification vary by country)	MIDDLETOWN, PA
8:24 am	On FedEx vehicle for delivery	MIDDLETOWN, PA
7:34 am	At local FedEx facility	MIDDLETOWN, PA
<b>10/17/2016 - Monday</b>		
4:51 pm	At local FedEx facility	MIDDLETOWN, PA
2:27 pm	Delivery exception Adult recipient unavailable (age and required identification vary by country)	MIDDLETOWN, PA
7:54 am	On FedEx vehicle for delivery	MIDDLETOWN, PA
7:41 am	At local FedEx facility	MIDDLETOWN, PA
<b>10/15/2016 - Saturday</b>		
8:13 am	At local FedEx facility Package not due for delivery	MIDDLETOWN, PA
8:13 am	At local FedEx facility	MIDDLETOWN, PA
6:50 am	At destination sort facility	MIDDLETOWN, PA
4:01 am	Departed FedEx location	MEMPHIS, TN
<b>10/14/2016 - Friday</b>		
11:21 pm	Arrived at FedEx location	MEMPHIS, TN
4:49 pm	Picked up	CHEEKTOWAGA, NY
10:39 am	Shipment information sent to FedEx	

Use | Security and Privacy

**Shipment Facts**

<b>Tracking number</b>	777471033598	<b>Service</b>	FedEx Standard Overnight
<b>Door tag number</b>	DT104394686458	<b>Weight</b>	0.5 lbs / 0.23 kgs
<b>Signature services</b>	Adult signature required	<b>Delivery attempts</b>	4
<b>Delivered To</b>	FedEx Location	<b>Total pieces</b>	1
<b>Total shipment weight</b>	0.5 lbs / 0.23 kgs	<b>Terms</b>	Not Available
		<b>Packaging</b>	FedEx Envelope

Ask FedEx

---

**To:** Hollidaysburg Muni Auth Telephone: 814-695-7543

**Contact name:** John Little

---

**From:** Josh Baird (Tt)

---

**Date:** September 20, 2016

---

**Subject:** Sunoco Pipeline L.P. – Pennsylvania Pipeline Project Public Water Supply Coordination

---

A letter was sent to John Little at Hollidaysburg Muni Auth on September 20, 2016 requesting information regarding Public Water Supply (PWS) source(s) and/or facility(s) in location to the Pennsylvania Pipeline Project (Project) in order to assess any potential impacts to the PWS. An additional letter was sent with an updated project description on October 14, 2016.

A brief description of the Project was included as well a Site Map related to the location of the PWS in question.

Delivery confirmation indicated the initial letter was received on September 21, 2016, and the subsequent letter on October 17, 2016.

Received a letter dated 10/3/16 requesting additional information (plans and profiles). Called Gary Winsor at Stiffler & McGraw on 10/12/16, left a voicemail in regards to the letter. Spoke with Gary Winsor on 10/17. He had some documents to review in regards to the Project, but said he thought everything was good and would contact us if he has any further questions.



September 20, 2016

**HOLLIDAYSBURG MUNI AUTH  
401 Blair Street  
Hollidaysburg, PA 16648**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project  
Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

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If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



October 14, 2016

Dear Sir or Madam,

The enclosed letter is on behalf of Sunoco Pipeline, L.P. (SPLP), in regards to a previously delivered letter dated September 20, 2016 referencing the Chapter 105 Water Obstruction and Encroachments Permit for the Pennsylvania Pipeline Project (Project). In that letter the project description indicated the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. The Project also includes the installation of a 16-inch pipeline within the same previously described 306-mile, 50-foot-wide right-of-way (ROW). The intention of this letter is to clarify the two planned parallel pipelines. Routing and workspaces will not change from what was previously indicated.

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Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'J. Baird', written over a light blue horizontal line.

Joshua S. Baird

Tetra Tech, Inc.



October 14, 2016

**HOLLIDAYSBURG MUNI AUTH**  
401 Blair Street  
Hollidaysburg, PA 16648

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project  
Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of two parallel pipelines within an approximately 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. A 20-inch diameter pipeline will be installed within the ROW from Houston to Marcus Hook (306 miles) and a second, 16-inch diameter pipeline, will also be installed in the same ROW. The second line is proposed to be installed from SPLP's Delmont Station, Westmoreland County, Pennsylvania to the Marcus Hook facility, paralleling the initial line for approximately 255 miles. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

As part of the PADEP permit requirements, we and Sunoco respectfully request your review of the Project's location as it relates to your Public Water Supply (PWS) source(s) and/or facility(s), and assess any potential impacts to the PWS. SPLP also requests the approximate location and/or name of the waterbody that is the water supply. If you require additional information and/or consultation pertaining to the Project, please contact Joshua Baird using the contact info listed below. **If further consultation is not initiated by October 18, SPLP will deem the Project in good standing as it relates to your PWS, and will proceed as planned.**

The following attachments are included for your review:

- Site Map showing the location of the proposed pipeline Project ROW as it relates to the Public Water Supply Areas obtained from the Pennsylvania Department of Environmental Protection's eMapPA application.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

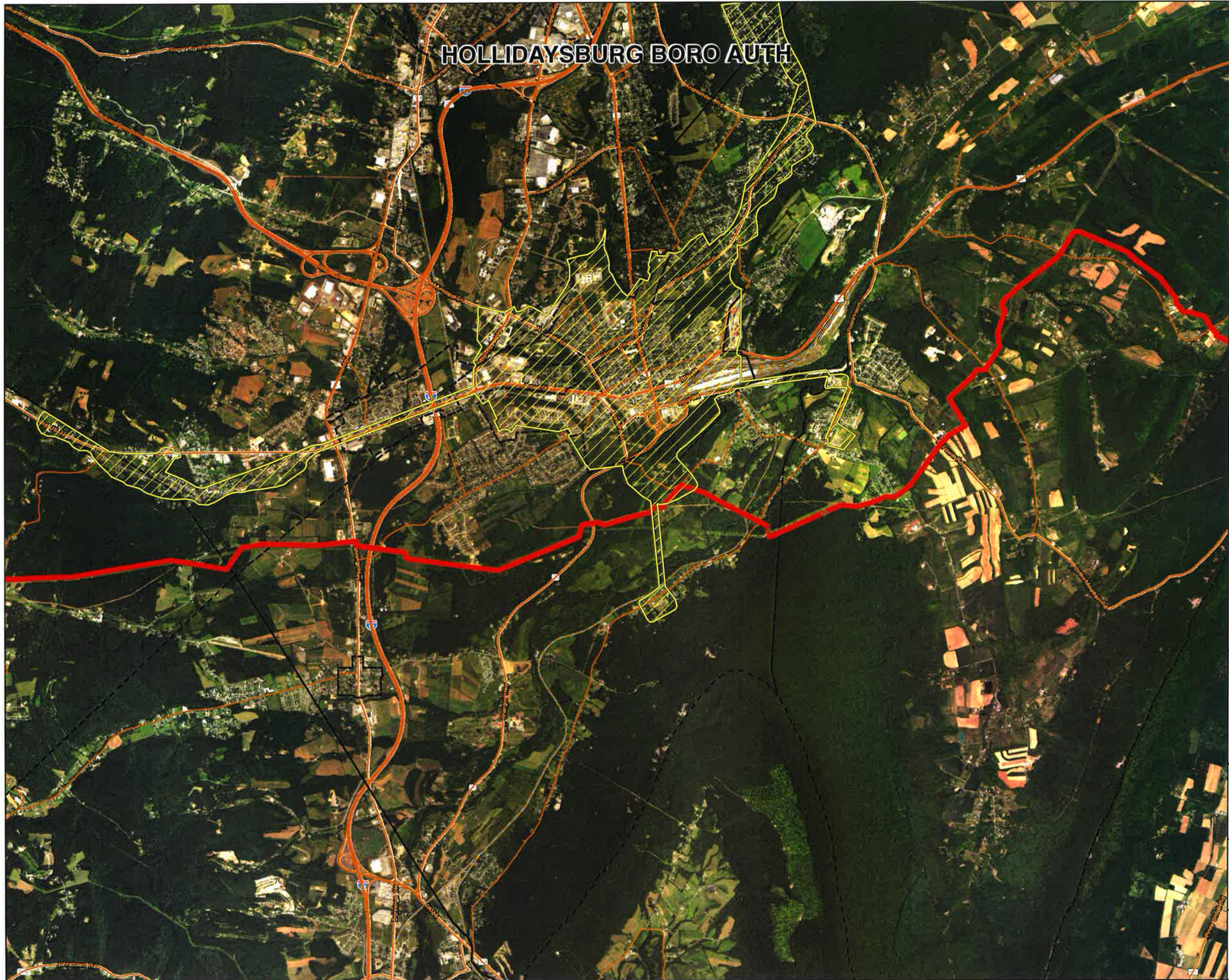
Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map

# HOLLIDAYSBURG BORO AUTH



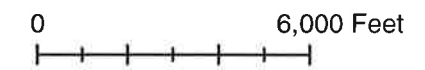
## Global Indicator



## Legend

- Proposed Pipeline
- PA State Roads
- PA County
- PA Municipality
- Public Water Supply Area

### Sunoco PA Pipeline Project Public Water Supply Area



Prepared For:



Prepared By:



Date:  
9/2016

Base Map:  
ESRI World Imagery, October 2011  
Coordinate System NAD 83  
Stateplane, PA South, Feet



## Laviolette, Carrie

---

**From:** trackingupdates@fedex.com  
**Sent:** Wednesday, September 21, 2016 12:52 PM  
**To:** Laviolette, Carrie  
**Subject:** FedEx Shipment 777275810555 Delivered

## Your package has been delivered

Tracking # [777275810555](#)

Ship date:  
**Tue, 9/20/2016**

**JOSH BAIRD**

TETRA TECH -  
HOME  
Buffalo, NY 14203  
US



Delivery date:  
**Wed, 9/21/2016**  
**12:42 pm**

**John Little**

Hollidaysburg Muni  
Authority  
401 Blair Street  
HOLLIDAYSBURG, PA  
16648  
US



### Shipment Facts

Our records indicate that the following package has been delivered.

**Tracking number:** [777275810555](#)

**Status:** Delivered: 09/21/2016  
12:42 PM Signed for  
By: S.OSWALD

**Reference:** 112IC05958, 16

**Signed for by:** S.OSWALD

**Delivery location:** HOLLIDAYSBURG,  
PA

**Delivered to:** Receptionist/Front  
Desk

**Service type:** FedEx Standard  
Overnight

**Packaging type:** FedEx Envelope


**Number of pieces:** 1

**Weight:** 0.50 lb.

<b>Special handling/Services:</b>	Direct Signature Required
-----------------------------------	---------------------------

Deliver Weekday

<b>Standard transit:</b>	9/21/2016 by 4:30 pm
--------------------------	----------------------

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 11:52 AM CDT on 09/21/2016.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Standard transit is the date and time the package is scheduled to be delivered by, based on the selected service, destination and ship date. Limitations and exceptions may apply. Please see the FedEx Service Guide for terms and conditions of service, including the FedEx Money-Back Guarantee, or contact your FedEx Customer Support representative.

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**777471049244**

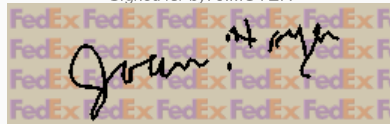
Ship date:  
**Fri 10/14/2016**

**TETRA TECH - HOME**  
 JOSH BAIRD  
 301 ELLICOTT STREET  
 Buffalo, NY US 14203  
 716 849-9419



**Delivered**

Signed for by: J. MOYER



Actual delivery:  
**Mon 10/17/2016 12:06 pm**

Hollidaysburg Muni. Authority  
 401 Blair Street  
 HOLLIDAYSBURG, PA US 16648  
 716 849-9419

tracking number

United States - English

**Travel History**

Date/Time	Activity	Location
<b>10/17/2016 - Monday</b>		
12:06 pm	Delivered	HOLLIDAYSBURG, PA
9:11 am	On FedEx vehicle for delivery	DUNCANVILLE, PA
<b>10/15/2016 - Saturday</b>		
9:31 am	At local FedEx facility	DUNCANVILLE, PA
6:23 am	At destination sort facility	MOON TOWNSHIP, PA
4:27 am	In transit	MEMPHIS, TN
3:56 am	Departed FedEx location	MEMPHIS, TN
<b>10/14/2016 - Friday</b>		
11:21 pm	Arrived at FedEx location	MEMPHIS, TN
4:49 pm	Picked up	CHEEKTOWAGA, NY
10:40 am	Shipment information sent to FedEx	

**Shipment Facts**

<b>Tracking number</b>	777471049244	<b>Service</b>	FedEx Standard Overnight
<b>Weight</b>	0.5 lbs / 0.23 kgs	<b>Signature services</b>	Adult signature required
<b>Delivery attempts</b>	1	<b>Delivered To</b>	Receptionist/Front Desk
<b>Total pieces</b>	1	<b>Total shipment weight</b>	0.5 lbs / 0.23 kgs
<b>Terms</b>	Not Available	<b>Shipper reference</b>	112IC05958, 16
<b>Packaging</b>	FedEx Envelope	<b>Special handling section</b>	Deliver Weekday, Adult Signature Required
<b>Standard transit</b>	10/17/2016 by 4:30 pm		

Use | Security and Privacy

Ask FedEx

---

**To:** Jackson Twp Water Auth Telephone: 814-322-1262

**Contact name:** Walter Ditchcreek

---

**From:** Josh Baird (Tt)

---

**Date:** September 20, 2016

---

**Subject:** Sunoco Pipeline L.P. – Pennsylvania Pipeline Project Public Water Supply Coordination

---

A letter was sent to Walter Ditchcreek at Jackson Twp Water Auth on September 20, 2016 requesting information regarding Public Water Supply (PWS) source(s) and/or facility(s) in location to the Pennsylvania Pipeline Project (Project) in order to assess any potential impacts to the PWS. An additional letter was sent with an updated project description on October 14, 2016.

A brief description of the Project was included as well a Site Map related to the location of the PWS in question.

Delivery confirmation indicated the initial letter was received on September 21, 2016, and the subsequent letter on October 17, 2016.



September 20, 2016

**JACKSON TWP WATER AUTH**  
**2949 William Penn Ave**  
**Johnstown, PA 15909**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

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- Site Map showing the location of the proposed pipeline Project ROW as it relates to the Public Water Supply Areas obtained from the Pennsylvania Department of Environmental Protection's eMapPA application.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



October 14, 2016

Dear Sir or Madam,

The enclosed letter is on behalf of Sunoco Pipeline, L.P. (SPLP), in regards to a previously delivered letter dated September 20, 2016 referencing the Chapter 105 Water Obstruction and Encroachments Permit for the Pennsylvania Pipeline Project (Project). In that letter the project description indicated the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. The Project also includes the installation of a 16-inch pipeline within the same previously described 306-mile, 50-foot-wide right-of-way (ROW). The intention of this letter is to clarify the two planned parallel pipelines. Routing and workspaces will not change from what was previously indicated.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird', written in a cursive style.

Joshua S. Baird

Tetra Tech, Inc.



October 14, 2016

**JACKSON TWP WATER AUTH**  
2949 William Penn Ave  
Johnstown, PA 15909

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project  
Public Water Supply Coordination**

Dear Sir or Madam,

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If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map






# JACKSON TWP WATER AUTHORITY



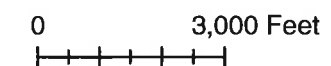
## Global Indicator



## Legend

-  Proposed Pipeline
-  PA State Roads
-  PA County
-  PA Municipality
-  Public Water Supply Area

## Sunoco PA Pipeline Project Public Water Supply Area



Prepared For:



Prepared By:



Date:

9/2016

Base Map:  
ESRI World Imagery, October 2011  
Coordinate System NAD 83  
Stateplane, PA South, Feet



## Laviolette, Carrie

---

**From:** trackingupdates@fedex.com  
**Sent:** Wednesday, September 21, 2016 1:04 PM  
**To:** Laviolette, Carrie  
**Subject:** FedEx Shipment 777275831391 Delivered

## Your package has been delivered

Tracking # 777275831391

Ship date:  
**Tue, 9/20/2016**

**JOSH BAIRD**  
TETRA TECH -  
HOME  
Buffalo, NY 14203  
US



Delivery date:  
**Wed, 9/21/2016**  
**12:59 pm**

**Walter Ditchcreek,**  
**Chairman**  
Jackson Twp Water  
Authority  
2949 William Penn  
Avenue  
JOHNSTOWN, PA  
15909  
US



### Shipment Facts

Our records indicate that the following package has been delivered.

**Tracking number:** [777275831391](#)

**Status:** Delivered: 09/21/2016  
12:59 PM Signed for  
By: D.BUSKA

**Reference:** 112IC05958, 16

**Signed for by:** D.BUSKA

**Delivery location:** JOHNSTOWN, PA

**Delivered to:** Receptionist/Front  
Desk

**Service type:** FedEx Standard  
Overnight

**Packaging type:** FedEx Envelope


**Number of pieces:** 1

**Weight:** 0.50 lb.

<b>Special handling/Services:</b>	Direct Signature Required
-----------------------------------	---------------------------

Deliver Weekday

<b>Standard transit:</b>	9/21/2016 by 4:30 pm
--------------------------	----------------------

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 12:04 PM CDT on 09/21/2016.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Standard transit is the date and time the package is scheduled to be delivered by, based on the selected service, destination and ship date. Limitations and exceptions may apply. Please see the FedEx Service Guide for terms and conditions of service, including the FedEx Money-Back Guarantee, or contact your FedEx Customer Support representative.

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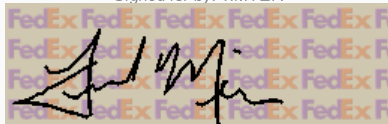
**777471064016**

Ship date:  
**Fri 10/14/2016**



**Delivered**

Signed for by: T.MYER



**TETRA TECH - HOME**  
 JOSH BAIRD  
 301 ELLICOTT STREET  
 Buffalo, NY US 14203  
 716 849-9419

Actual delivery:  
**Mon 10/17/2016 2:53 pm**

Jackson Township Water Authority  
 2949 William Penn Avenue  
 JOHNSTOWN, PA US 15909  
 716 849-9419

tracking number

United States - English

**Travel History**

Date/Time	Activity	Location
<b>10/17/2016 - Monday</b>		
2:53 pm	Delivered	JOHNSTOWN, PA
12:14 pm	Delivery exception Adult recipient unavailable (age and required identification vary by country)	JOHNSTOWN, PA
8:36 am	On FedEx vehicle for delivery	JOHNSTOWN, PA
<b>10/15/2016 - Saturday</b>		
12:07 pm	At local FedEx facility	JOHNSTOWN, PA
9:32 am	At local FedEx facility	JOHNSTOWN, PA
6:23 am	At destination sort facility	MOON TOWNSHIP, PA
4:27 am	In transit	MEMPHIS, TN
3:56 am	Departed FedEx location	MEMPHIS, TN
<b>10/14/2016 - Friday</b>		
11:21 pm	Arrived at FedEx location	MEMPHIS, TN
4:49 pm	Picked up	CHEEKTOWAGA, NY
10:39 am	Shipment information sent to FedEx	

Use | Security and Privacy

**Shipment Facts**

<b>Tracking number</b>	777471064016	<b>Service</b>	FedEx Standard Overnight
<b>Door tag number</b>	DT104408478947	<b>Weight</b>	0.5 lbs / 0.23 kgs
<b>Signature services</b>	Adult signature required	<b>Delivery attempts</b>	1
<b>Delivered To</b>	Receptionist/Front Desk	<b>Total pieces</b>	1
<b>Total shipment weight</b>	0.5 lbs / 0.23 kgs	<b>Terms</b>	Not Available
<b>Shipper reference</b>	112IC05958, 16	<b>Packaging</b>	FedEx Envelope
<b>Special handling section</b>	Deliver Weekday, Adult Signature Required	<b>Standard transit</b>	10/17/2016 by 4:30 pm

Ask FedEx

---

**To:** Lebanon Water Auth Telephone: 717-865-2191

**Contact name:** Jonathan Beers

---

**From:** Josh Baird (Tt)

---

**Date:** September 20, 2016

---

**Subject:** Sunoco Pipeline L.P. – Pennsylvania Pipeline Project Public Water Supply Coordination

---

A letter was sent to Jonathan Beers at Lebanon Water Auth on September 20, 2016 requesting information regarding Public Water Supply (PWS) source(s) and/or facility(s) in location to the Pennsylvania Pipeline Project (Project) in order to assess any potential impacts to the PWS. An additional letter was sent with an updated project description on October 14, 2016.

A brief description of the Project was included as well a Site Map related to the location of the PWS in question.

Delivery confirmation indicated the initial letter was received on September 21, 2016, and the subsequent letter on October 17, 2016.

No impact email received from Bob Sentz on 9/26/16.



September 20, 2016

**LEBANON WATER AUTH**  
**2311 Ridgeview Rd**  
**Lebanon, PA 17042**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

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If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



October 14, 2016

Dear Sir or Madam,

The enclosed letter is on behalf of Sunoco Pipeline, L.P. (SPLP), in regards to a previously delivered letter dated September 20, 2016 referencing the Chapter 105 Water Obstruction and Encroachments Permit for the Pennsylvania Pipeline Project (Project). In that letter the project description indicated the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. The Project also includes the installation of a 16-inch pipeline within the same previously described 306-mile, 50-foot-wide right-of-way (ROW). The intention of this letter is to clarify the two planned parallel pipelines. Routing and workspaces will not change from what was previously indicated.

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Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird', with a stylized flourish at the end.

Joshua S. Baird

Tetra Tech, Inc.



October 14, 2016

**LEBANON WATER AUTH**  
2311 Ridgeview Rd  
Lebanon, PA 17042

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project  
Public Water Supply Coordination**

Dear Sir or Madam,

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Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map

# LEBANON CITY WATER AUTHORITY

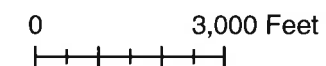
## Global Indicator



## Legend

- Proposed Pipeline
- PA State Roads
- PA County
- PA Municipality
- Public Water Supply Area

## Sunoco PA Pipeline Project Public Water Supply Area



Prepared For:



Prepared By:



Date:

9/2016

Base Map:  
ESRI World Imagery, October 2011  
Coordinate System NAD 83  
Stateplane, PA South, Feet



## Laviolette, Carrie

---

**From:** trackingupdates@fedex.com  
**Sent:** Wednesday, September 21, 2016 1:30 PM  
**To:** Laviolette, Carrie  
**Subject:** FedEx Shipment 777275848526 Delivered

# Your package has been delivered

Tracking # 777275848526

Ship date:  
**Tue, 9/20/2016**

**JOSH BAIRD**  
TETRA TECH -  
HOME  
Buffalo, NY 14203  
US



Delivery date:  
**Wed, 9/21/2016**  
**1:27 pm**

**Jonathan Beers**  
Lebanon Water  
Authority  
2311 Ridgeview  
Road  
LEBANON, PA 17042  
US




## Shipment Facts

Our records indicate that the following package has been delivered.

<b>Tracking number:</b>	<a href="#">777275848526</a>
<b>Status:</b>	Delivered: 09/21/2016 1:27 PM Signed for By: L.COOLEY
<b>Reference:</b>	112IC052958, 16
<b>Signed for by:</b>	L.COOLEY
<b>Delivery location:</b>	LEBANON, PA
<b>Delivered to:</b>	Receptionist/Front Desk
<b>Service type:</b>	FedEx Standard Overnight
<b>Packaging type:</b>	FedEx Envelope
<b>Number of pieces:</b>	1
<b>Weight:</b>	0.50 lb.
<b>Special handling/Services:</b>	Direct Signature Required

Deliver Weekday

**Standard transit:** 9/21/2016 by 3:00 pm

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 12:29 PM CDT on 09/21/2016.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Standard transit is the date and time the package is scheduled to be delivered by, based on the selected service, destination and ship date. Limitations and exceptions may apply. Please see the FedEx Service Guide for terms and conditions of service, including the FedEx Money-Back Guarantee, or contact your FedEx Customer Support representative.

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**777471203178**

Ship date:  
**Fri 10/14/2016**



**Delivered**

Signed for by: L.COOLEY



**TETRA TECH - HOME**  
 JOSH BAIRD  
 301 ELLICOTT STREET  
 Buffalo, NY US 14203  
 716 849-9419

Actual delivery:  
**Mon 10/17/2016 11:49 am**

Lebanon Water Authority  
 2311 Ridgeview Road  
 LEBANON, PA US 17042  
 716 849-9419

tracking number

United States - English

**Travel History**

Date/Time	Activity	Location
<b>10/17/2016 - Monday</b>		
11:49 am	Delivered	LEBANON, PA
7:51 am	On FedEx vehicle for delivery	MIDDLETOWN, PA
7:13 am	At local FedEx facility	MIDDLETOWN, PA
<b>10/15/2016 - Saturday</b>		
8:08 am	At local FedEx facility	MIDDLETOWN, PA
8:08 am	At local FedEx facility	MIDDLETOWN, PA
	Package not due for delivery	
6:50 am	At destination sort facility	MIDDLETOWN, PA
4:01 am	Departed FedEx location	MEMPHIS, TN
<b>10/14/2016 - Friday</b>		
11:21 pm	Arrived at FedEx location	MEMPHIS, TN
4:49 pm	Picked up	CHEEKTOWAGA, NY
10:50 am	Shipment information sent to FedEx	

Use | Security and Privacy

**Shipment Facts**

<b>Tracking number</b>	777471203178	<b>Service</b>	FedEx Standard Overnight
<b>Weight</b>	0.5 lbs / 0.23 kgs	<b>Signature services</b>	Adult signature required
<b>Delivery attempts</b>	1	<b>Delivered To</b>	Receptionist/Front Desk
<b>Total pieces</b>	1	<b>Total shipment weight</b>	0.5 lbs / 0.23 kgs
<b>Terms</b>	Not Available	<b>Shipper reference</b>	112IC05958, 16
<b>Packaging</b>	FedEx Envelope	<b>Special handling section</b>	Deliver Weekday, Adult Signature Required
<b>Standard transit</b>	10/17/2016 by 3:00 pm		

Ask FedEx

---

**To:** Little Acres Mhp Telephone: 724-863-1388

**Contact name:** Cary Ruffner

---

**From:** Josh Baird (Tt)

---

**Date:** September 20, 2016

---

**Subject:** Sunoco Pipeline L.P. – Pennsylvania Pipeline Project Public Water Supply Coordination

---

A letter was sent to Cary Ruffner at Little Acres Mhp on September 20, 2016 requesting information regarding Public Water Supply (PWS) source(s) and/or facility(s) in location to the Pennsylvania Pipeline Project (Project) in order to assess any potential impacts to the PWS. An additional letter was sent with an updated project description on October 14, 2016.

A brief description of the Project was included as well a Site Map related to the location of the PWS in question.

Initial letter delivery attempts on September 21, 22, and 23, 2016. Returned to sender due to inability to reach recipient for signature. The subsequent letter was delivered on October 19, 2016.



September 20, 2016

**LITTLE ACRES MHP  
11070 Greer Street  
North Huntingdon, PA 15642**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project  
Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

As part of the PADEP permit requirements, we and Sunoco respectfully request your review of the Project's location as it relates to your Public Water Supply (PWS) source(s) and/or facility(s), and assess any potential impacts to the PWS. SPLP also requests the approximate location and/or name of the waterbody that is the water supply. If you require additional information and/or consultation pertaining to the Project, please contact Joshua Baird using the contact info listed below. **If further consultation is not initiated by October 6, SPLP will deem the Project in good standing as it relates to your PWS, and will proceed as planned.**

The following attachments are included for your review:

- Site Map showing the location of the proposed pipeline Project ROW as it relates to the Public Water Supply Areas obtained from the Pennsylvania Department of Environmental Protection's eMapPA application.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



October 14, 2016

Dear Sir or Madam,

The enclosed letter is on behalf of Sunoco Pipeline, L.P. (SPLP), in regards to a previously delivered letter dated September 20, 2016 referencing the Chapter 105 Water Obstruction and Encroachments Permit for the Pennsylvania Pipeline Project (Project). In that letter the project description indicated the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. The Project also includes the installation of a 16-inch pipeline within the same previously described 306-mile, 50-foot-wide right-of-way (ROW). The intention of this letter is to clarify the two planned parallel pipelines. Routing and workspaces will not change from what was previously indicated.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird', written over a light blue horizontal line.

Joshua S. Baird

Tetra Tech, Inc.



October 14, 2016

**LITTLE ACRES MHP**  
**11070 Greer Street**  
**North Huntingdon, PA 15642**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of two parallel pipelines within an approximately 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. A 20-inch diameter pipeline will be installed within the ROW from Houston to Marcus Hook (306 miles) and a second, 16-inch diameter pipeline, will also be installed in the same ROW. The second line is proposed to be installed from SPLP's Delmont Station, Westmoreland County, Pennsylvania to the Marcus Hook facility, paralleling the initial line for approximately 255 miles. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

As part of the PADEP permit requirements, we and Sunoco respectfully request your review of the Project's location as it relates to your Public Water Supply (PWS) source(s) and/or facility(s), and assess any potential impacts to the PWS. SPLP also requests the approximate location and/or name of the waterbody that is the water supply. If you require additional information and/or consultation pertaining to the Project, please contact Joshua Baird using the contact info listed below. **If further consultation is not initiated by October 18, SPLP will deem the Project in good standing as it relates to your PWS, and will proceed as planned.**

The following attachments are included for your review:

- Site Map showing the location of the proposed pipeline Project ROW as it relates to the Public Water Supply Areas obtained from the Pennsylvania Department of Environmental Protection's eMapPA application.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

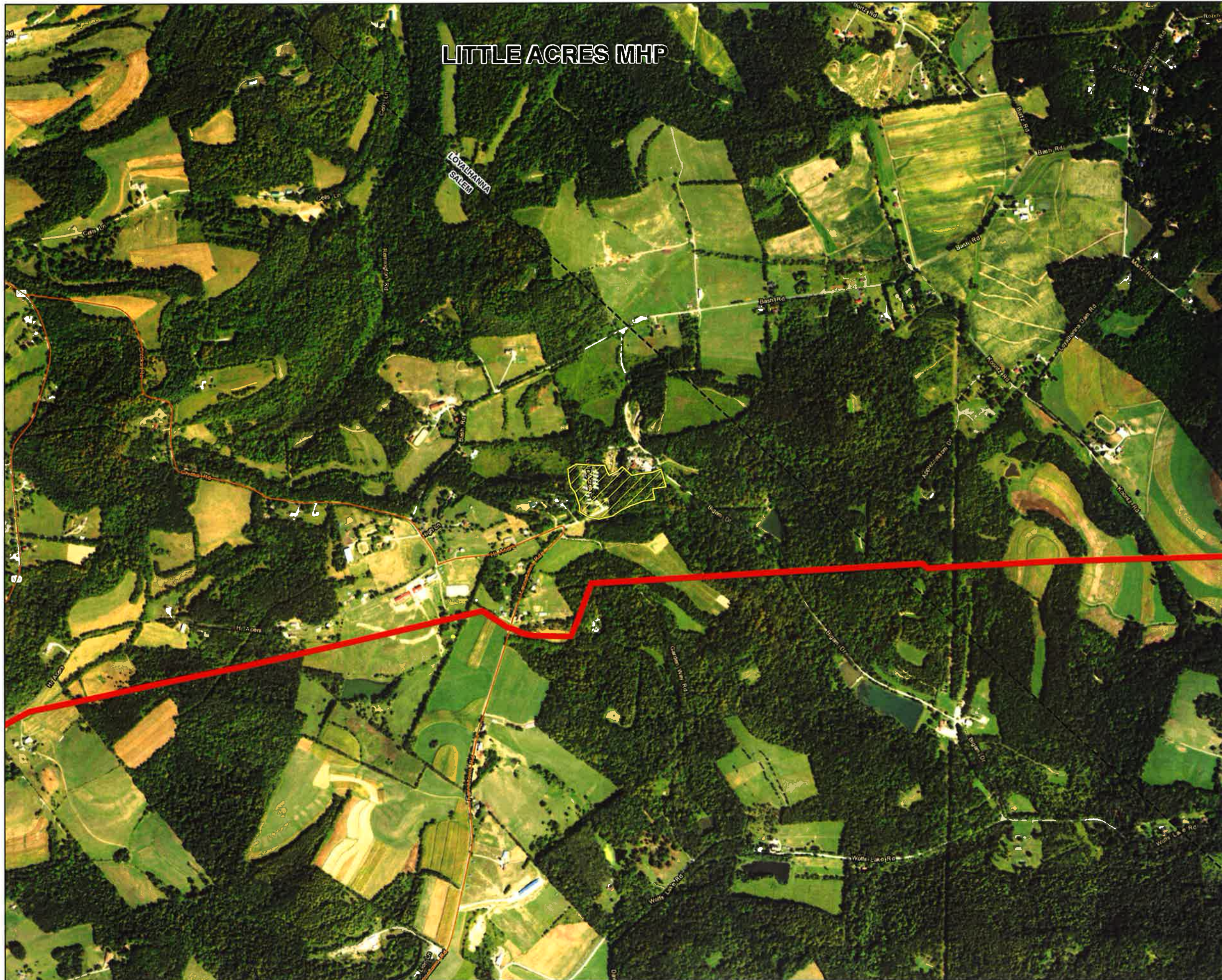
Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map






# LITTLE ACRES MHP



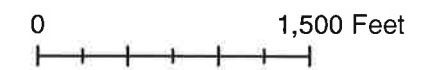
## Global Indicator



## Legend

-  Proposed Pipeline
-  PA State Roads
-  PA County
-  PA Municipality
-  Public Water Supply Area

## Sunoco PA Pipeline Project Public Water Supply Area



Prepared For:



Prepared By:



Date:  
9/2016

Base Map:  
ESRI World Imagery, October 2011  
Coordinate System NAD 83  
Stateplane, PA South, Feet



**777276364168**

Ship date:  
**Tue 9/20/2016**



Scheduled delivery:  
**Pending**

**TETRA TECH - HOME**  
JOSH BAIRD  
301 ELLICOTT STREET  
Buffalo, NY US 14203  
716 849-9419

**Little Acres MHP**  
Cary Ruffner, Owner  
11070 Greer Street  
NORTH HUNTINGDON, PA US  
15642  
724 863-1388

**Unable to deliver shipment, returned to shipper**

**Recommended action:**  
No action is required. The package is being returned to the shipper.

**Travel History**

Date/Time	Activity	Location
<b>9/28/2016 - Wednesday</b>		
4:29 pm	Returning package to shipper Return tracking number <a href="#">702079854534</a>	PLUM, PA
<b>9/27/2016 - Tuesday</b>		
8:40 pm	At local FedEx facility	PLUM, PA
<b>9/26/2016 - Monday</b>		
7:41 pm	At local FedEx facility	PLUM, PA
<b>9/24/2016 - Saturday</b>		
2:22 pm	At local FedEx facility	PLUM, PA
<b>9/23/2016 - Friday</b>		
9:05 pm	At local FedEx facility	PLUM, PA
12:53 pm	Delivery exception Customer not available or business closed	PLUM, PA
8:29 am	On FedEx vehicle for delivery	PLUM, PA
7:35 am	At local FedEx facility	PLUM, PA
<b>9/22/2016 - Thursday</b>		
8:00 pm	At local FedEx facility	PLUM, PA
2:14 pm	Delivery exception Customer not available or business closed	PLUM, PA
8:27 am	On FedEx vehicle for delivery	PLUM, PA
7:42 am	At local FedEx facility	PLUM, PA
<b>9/21/2016 - Wednesday</b>		
8:16 pm	At local FedEx facility	PLUM, PA
2:16 pm	Delivery exception Customer not available or business closed	PLUM, PA
8:27 am	On FedEx vehicle for delivery	PLUM, PA
7:47 am	At local FedEx facility	PLUM, PA
4:31 am	At destination sort facility	MOON TOWNSHIP, PA
3:40 am	Departed FedEx location	NEWARK, NJ
12:11 am	Arrived at FedEx location	NEWARK, NJ



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tracking number

United States - English

Ask FedEx

## Laviolette, Carrie

---

**From:** trackingupdates@fedex.com  
**Sent:** Wednesday, October 19, 2016 12:31 PM  
**To:** Laviolette, Carrie  
**Subject:** FedEx Shipment 777471229476 Delivered

# Your package has been delivered

Tracking # 777471229476

Ship date:  
**Fri, 10/14/2016**

**JOSH BAIRD**  
TETRA TECH -  
HOME  
Buffalo, NY 14203  
US



Delivered

Delivery date:  
**Wed,**  
**10/19/2016**  
**12:29 pm**

**Little Acres Mobile**  
**Home Park**  
11070 Greer Street  
NORTH  
HUNTINGDON, PA  
15642  
US



## Shipment Facts

Our records indicate that the following package has been delivered.


<b>Tracking number:</b>	<a href="#">777471229476</a>
<b>Status:</b>	Delivered: 10/19/2016 12:29 PM Signed for By: S.RUFFNER
<b>Door Tag number:</b>	DT104221052694
<b>Reference:</b>	112IC05958, 16
<b>Signed for by:</b>	S.RUFFNER
<b>Delivery location:</b>	NORTH HUNTINGDON, PA
<b>Delivered to:</b>	Residence
<b>Service type:</b>	FedEx Standard Overnight
<b>Packaging type:</b>	FedEx Envelope
<b>Number of pieces:</b>	1
<b>Weight:</b>	0.50 lb.

**Special handling/Services:** Adult Signature Required

Deliver Weekday

Residential Delivery

**Standard transit:** 10/17/2016 by 8:00 pm

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 11:31 AM CDT on 10/19/2016.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Standard transit is the date and time the package is scheduled to be delivered by, based on the selected service, destination and ship date. Limitations and exceptions may apply. Please see the FedEx Service Guide for terms and conditions of service, including the FedEx Money-Back Guarantee, or contact your FedEx Customer Support representative.

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Thank you for your business.

---

**To:** Loags Corner Mobile Home Park Telephone: 610-286-5183

**Contact name:** Alvin Horning

---

**From:** Josh Baird (Tt)

---

**Date:** September 20, 2016

---

**Subject:** Sunoco Pipeline L.P. – Pennsylvania Pipeline Project Public Water Supply Coordination

---

A letter was sent to Alvin Horning at Loags Corner Mobile Home Park on September 20, 2016 requesting information regarding Public Water Supply (PWS) source(s) and/or facility(s) in location to the Pennsylvania Pipeline Project (Project) in order to assess any potential impacts to the PWS. An additional letter was sent with an updated project description on October 14, 2016.

A brief description of the Project was included as well a Site Map related to the location of the PWS in question.

Delivery confirmation indicated the initial letter was received on September 23, 2016, and the subsequent letter on October 19, 2016.



September 20, 2016

**LOAGS CORNER MOBILE HOME PARK  
Po Box 251  
Morgantown, PA 19543**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project  
Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

As part of the PADEP permit requirements, we and Sunoco respectfully request your review of the Project's location as it relates to your Public Water Supply (PWS) source(s) and/or facility(s), and assess any potential impacts to the PWS. SPLP also requests the approximate location and/or name of the waterbody that is the water supply. If you require additional information and/or consultation pertaining to the Project, please contact Joshua Baird using the contact info listed below. **If further consultation is not initiated by October 6, SPLP will deem the Project in good standing as it relates to your PWS, and will proceed as planned.**

The following attachments are included for your review:

- Site Map showing the location of the proposed pipeline Project ROW as it relates to the Public Water Supply Areas obtained from the Pennsylvania Department of Environmental Protection's eMapPA application.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



October 14, 2016

Dear Sir or Madam,

The enclosed letter is on behalf of Sunoco Pipeline, L.P. (SPLP), in regards to a previously delivered letter dated September 20, 2016 referencing the Chapter 105 Water Obstruction and Encroachments Permit for the Pennsylvania Pipeline Project (Project). In that letter the project description indicated the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. The Project also includes the installation of a 16-inch pipeline within the same previously described 306-mile, 50-foot-wide right-of-way (ROW). The intention of this letter is to clarify the two planned parallel pipelines. Routing and workspaces will not change from what was previously indicated.

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Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird', written in a cursive style.

Joshua S. Baird

Tetra Tech, Inc.



October 14, 2016

**LOAGS CORNER MOBILE HOME PARK**  
**Po Box 251**  
**Morgantown, PA 19543**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of two parallel pipelines within an approximately 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. A 20-inch diameter pipeline will be installed within the ROW from Houston to Marcus Hook (306 miles) and a second, 16-inch diameter pipeline, will also be installed in the same ROW. The second line is proposed to be installed from SPLP's Delmont Station, Westmoreland County, Pennsylvania to the Marcus Hook facility, paralleling the initial line for approximately 255 miles. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

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- Site Map showing the location of the proposed pipeline Project ROW as it relates to the Public Water Supply Areas obtained from the Pennsylvania Department of Environmental Protection's eMapPA application.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.






Enclosures: Site Map



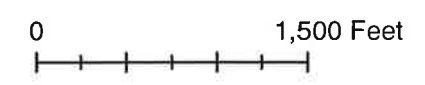
**Global Indicator**



**Legend**

-  Proposed Pipeline
-  PA State Roads
-  PA County
-  PA Municipality
-  Public Water Supply Area

**Sunoco PA Pipeline Project  
Public Water Supply Area**



Prepared For:



Prepared By:



Date:  
9/2016

Base Map:  
ESRI World Imagery, October 2011  
Coordinate System NAD 83  
Stateplane, PA South, Feet





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Tracking Number: **EL524876515US**



## Delivered

Scheduled Delivery Day: **Friday, September 23, 2016, 3:00 pm**

Money Back Guarantee

Signed for By: **F HERTZLER // MORGANTOWN, PA 19543 // 1:59 pm**

### Product & Tracking Information

**Postal Product:**

Priority Mail Express 2-Day™

**Features:**

Insured PO to Addressee  
Up to \$100 insurance included  
Restrictions Apply

### Available Actions

[Proof of Delivery](#)

DATE & TIME	STATUS OF ITEM	LOCATION
September 27, 2016 , 1:59 pm	Delivered	MORGANTOWN, PA 19543
Your item was delivered at 1:59 pm on September 27, 2016 in MORGANTOWN, PA 19543. The item was signed for by F HERTZLER.		
September 22, 2016 , 5:02 pm	Available for Pickup	MORGANTOWN, PA 19543
September 22, 2016 , 4:59 pm	Arrived at Post Office	MORGANTOWN, PA 19543
September 22, 2016 , 10:57 am	Arrived at USPS Destination Facility	READING, PA 19612
September 22, 2016 , 8:13 am	Arrived at USPS Destination Facility	PHILADELPHIA, PA 19176
September 21, 2016 , 6:13 pm	Arrived at USPS Origin Facility	BUFFALO, NY 14240
September 21, 2016 , 1:21 pm	Acceptance	BUFFALO, NY 14203

## Track Another Package

Tracking (or receipt) number

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# Loags Corner Mobile Home Park – PWS Delivery Confirmation

**Tracking Number:** 9505516150686291025170

 **Delivered**


**On Time**  
**Updated Delivery Day:** Wednesday, October 19, 2016 [?](#)


### Product & Tracking Information

**Postal Product:** Priority Mail™      **Features:** Insured      USPS Tracking®

DATE & TIME	STATUS OF ITEM	LOCATION
October 19, 2016 , 9:27 am	Delivered, PO Box	MORGANTOWN, PA 19543
Your item has been delivered and is available at a PO Box at 9:27 am on October 19, 2016 in MORGANTOWN, PA 19543.		
October 19, 2016 , 7:04 am	Arrived at Post Office	MORGANTOWN, PA 19543
October 18, 2016 , 10:51 pm	Departed USPS Facility	LANCASTER, PA 17604
October 18, 2016 , 3:42 pm	Arrived at USPS Facility	LANCASTER, PA 17604
October 18, 2016 , 2:47 pm	Departed USPS Facility	HARRISBURG, PA 17107
October 18, 2016 , 1:28 pm	Arrived at USPS Facility	HARRISBURG, PA 17107
October 18, 2016 , 7:40 am	Departed USPS Facility	ROCHESTER, NY 14606
October 17, 2016 , 10:07 pm	Arrived at USPS Origin Facility	ROCHESTER, NY 14606
October 17, 2016 , 7:33 pm	Departed Post Office	BUFFALO, NY 14203
October 17, 2016 , 1:39 pm	Acceptance	BUFFALO, NY 14203

### Available Actions

[Text Updates](#) 

[Email Updates](#) 

**Confirmation**  
9505516150686291025170  
Your request will be processed whenever there is new delivery related event activity.  
Your confirmation will be sent to the following:  
**nate.grosse@tetrattech.com**

---

**To:** Meadowbrook Mhp Telephone: 717-774-8887

**Contact name:** Ryan Flynn

---

**From:** Josh Baird (Tt)

---

**Date:** September 20, 2016

---

**Subject:** Sunoco Pipeline L.P. – Pennsylvania Pipeline Project Public Water Supply Coordination

---

A letter was sent to Ryan Flynn at Meadowbrook Mhp on September 20, 2016 requesting information regarding Public Water Supply (PWS) source(s) and/or facility(s) in location to the Pennsylvania Pipeline Project (Project) in order to assess any potential impacts to the PWS. An additional letter was sent with an updated project description on October 14, 2016.

A brief description of the Project was included as well a Site Map related to the location of the PWS in question.

Delivery confirmation indicated the initial letter was received on September 21, 2016, and the subsequent letter on October 18, 2016.



September 20, 2016

**MEADOWBROOK MHP  
184 Meadowbrook Court  
New Cumberland, PA 17070**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project  
Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

As part of the PADEP permit requirements, we and Sunoco respectfully request your review of the Project's location as it relates to your Public Water Supply (PWS) source(s) and/or facility(s), and assess any potential impacts to the PWS. SPLP also requests the approximate location and/or name of the waterbody that is the water supply. If you require additional information and/or consultation pertaining to the Project, please contact Joshua Baird using the contact info listed below. **If further consultation is not initiated by October 6, SPLP will deem the Project in good standing as it relates to your PWS, and will proceed as planned.**

The following attachments are included for your review:

- Site Map showing the location of the proposed pipeline Project ROW as it relates to the Public Water Supply Areas obtained from the Pennsylvania Department of Environmental Protection's eMapPA application.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



October 14, 2016

Dear Sir or Madam,

The enclosed letter is on behalf of Sunoco Pipeline, L.P. (SPLP), in regards to a previously delivered letter dated September 20, 2016 referencing the Chapter 105 Water Obstruction and Encroachments Permit for the Pennsylvania Pipeline Project (Project). In that letter the project description indicated the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. The Project also includes the installation of a 16-inch pipeline within the same previously described 306-mile, 50-foot-wide right-of-way (ROW). The intention of this letter is to clarify the two planned parallel pipelines. Routing and workspaces will not change from what was previously indicated.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'J. Baird', written in a cursive style.

Joshua S. Baird

Tetra Tech, Inc.



October 14, 2016

**MEADOWBROOK MHP**  
**184 Meadowbrook Court**  
**New Cumberland, PA 17070**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of two parallel pipelines within an approximately 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. A 20-inch diameter pipeline will be installed within the ROW from Houston to Marcus Hook (306 miles) and a second, 16-inch diameter pipeline, will also be installed in the same ROW. The second line is proposed to be installed from SPLP's Delmont Station, Westmoreland County, Pennsylvania to the Marcus Hook facility, paralleling the initial line for approximately 255 miles. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

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Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map

# MEADOWBROOK MHP



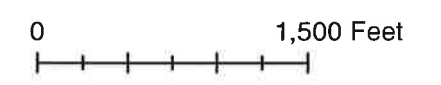
## Global Indicator



## Legend

- Proposed Pipeline
- PA State Roads
- PA County
- PA Municipality
- Public Water Supply Area

### Sunoco PA Pipeline Project Public Water Supply Area



Prepared For:



Prepared By:



Date:  
9/2016

Base Map;  
ESRI World Imagery, October 2011  
Coordinate System NAD 83  
Stateplane, PA South, Feet



## Laviolette, Carrie

---

**From:** trackingupdates@fedex.com  
**Sent:** Wednesday, September 21, 2016 11:18 AM  
**To:** Laviolette, Carrie  
**Subject:** FedEx Shipment 777275895977 Delivered

## Your package has been delivered

Tracking # [777275895977](#)

Ship date:  
**Tue, 9/20/2016**

**JOSH BAIRD**  
TETRA TECH -  
HOME  
Buffalo, NY 14203  
US



Delivery date:  
**Wed, 9/21/2016**  
**11:15 am**

**Ryan Flynn**  
Meadowbrook MHP  
184 Meadowbrook  
Court  
NEW CUMBERLAND,  
PA 17070  
US



### Shipment Facts


Our records indicate that the following package has been delivered.

<b>Tracking number:</b>	<a href="#">777275895977</a>
<b>Status:</b>	Delivered: 09/21/2016 11:15 AM Signed for By: J.PEREZ
<b>Reference:</b>	112IC05958, 16
<b>Signed for by:</b>	J.PEREZ
<b>Delivery location:</b>	NEW CUMBERLAND, PA
<b>Delivered to:</b>	Residence
<b>Service type:</b>	FedEx Standard Overnight
<b>Packaging type:</b>	FedEx Envelope
<b>Number of pieces:</b>	1
<b>Weight:</b>	0.50 lb.
<b>Special handling/Services:</b>	Direct Signature Required

Deliver Weekday

Residential Delivery

**Standard transit:** 9/21/2016 by 3:00 pm

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 10:17 AM CDT on 09/21/2016.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Standard transit is the date and time the package is scheduled to be delivered by, based on the selected service, destination and ship date. Limitations and exceptions may apply. Please see the FedEx Service Guide for terms and conditions of service, including the FedEx Money-Back Guarantee, or contact your FedEx Customer Support representative.

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**777471478583**

Ship date:  
**Fri 10/14/2016**

**TETRA TECH - HOME**  
 JOSH BAIRD  
 301 ELLICOTT STREET  
 Buffalo, NY US 14203  
 716 849-9419



**Delivered**

Signed for by: J.PEREZZ



Actual delivery:  
**Tue 10/18/2016 11:22 am**

Meadowbrook Mobile Home Park  
 184 Meadowbrook Court  
 NEW CUMBERLAND, PA US  
 17070  
 716 849-9419

tracking number

United States - English

**Travel History**

Date/Time	Activity	Location
<b>10/18/2016 - Tuesday</b>		
11:22 am	Delivered	NEW CUMBERLAND, PA
8:24 am	On FedEx vehicle for delivery	MIDDLETOWN, PA
7:34 am	At local FedEx facility	MIDDLETOWN, PA
<b>10/17/2016 - Monday</b>		
5:44 pm	At local FedEx facility	MIDDLETOWN, PA
11:16 am	Delivery exception Adult recipient unavailable (age and required identification vary by country)	MIDDLETOWN, PA
8:19 am	On FedEx vehicle for delivery	MIDDLETOWN, PA
7:35 am	At local FedEx facility	MIDDLETOWN, PA
<b>10/15/2016 - Saturday</b>		
7:59 am	At local FedEx facility	MIDDLETOWN, PA
7:59 am	At local FedEx facility Package not due for delivery	MIDDLETOWN, PA
6:50 am	At destination sort facility	MIDDLETOWN, PA
4:01 am	Departed FedEx location	MEMPHIS, TN
<b>10/14/2016 - Friday</b>		
11:21 pm	Arrived at FedEx location	MEMPHIS, TN
4:49 pm	Picked up	CHEEKTOWAGA, NY
11:11 am	Shipment information sent to FedEx	

Use | Security and Privacy

**Shipment Facts**

<b>Tracking number</b>	777471478583	<b>Service</b>	FedEx Standard Overnight
<b>Door tag number</b>	DT104394741823	<b>Weight</b>	0.5 lbs / 0.23 kgs
<b>Signature services</b>	Adult signature required	<b>Delivery attempts</b>	2
<b>Delivered To</b>	Receptionist/Front Desk	<b>Total pieces</b>	1
<b>Total shipment weight</b>	0.5 lbs / 0.23 kgs	<b>Terms</b>	Not Available
<b>Shipper reference</b>	112IC05958, 16	<b>Packaging</b>	FedEx Envelope
<b>Special handling section</b>	Deliver Weekday, Adult Signature Required	<b>Standard transit</b>	10/17/2016 by 3:00 pm

Ask FedEx

---

**To:** Middlesex Twp Muni Auth Telephone: 717-243-0674

**Contact name:** Rory L. Morrison

---

**From:** Josh Baird (Tt)

---

**Date:** September 20, 2016

---

**Subject:** Sunoco Pipeline L.P. – Pennsylvania Pipeline Project Public Water Supply Coordination

---

A letter was sent to Rory L. Morrison at Middlesex Twp Muni Auth on September 20, 2016 requesting information regarding Public Water Supply (PWS) source(s) and/or facility(s) in location to the Pennsylvania Pipeline Project (Project) in order to assess any potential impacts to the PWS. An additional letter was sent with an updated project description on October 14, 2016.

A brief description of the Project was included as well a Site Map related to the location of the PWS in question.

Delivery confirmation indicated the initial letter was received on September 21, 2016, and the subsequent letter on October 17, 2016.



September 20, 2016

**MIDDLESEX TWP MUNI AUTH  
350 N Middlesex Rd, Suite 2  
Carlisle, PA 17013**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project  
Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

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Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



October 14, 2016

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Joshua S. Baird

Tetra Tech, Inc.



October 14, 2016

**MIDDLESEX TWP MUNI AUTH**  
**350 N Middlesex Rd, Suite 2**  
**Carlisle, PA 17013**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

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Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map

# MIDDLESEX TWP MUNICIPAL AUTH



## Global Indicator



## Legend

- Proposed Pipeline
- PA State Roads
- PA County
- PA Municipality
- Public Water Supply Area

## Sunoco PA Pipeline Project Public Water Supply Area



Prepared For:



Prepared By:



Date:  
9/2016

Base Map;  
ESRI World Imagery, October 2011  
Coordinate System NAD 83  
Stateplane, PA South, Feet



## Laviolette, Carrie

---

**From:** trackingupdates@fedex.com  
**Sent:** Wednesday, September 21, 2016 12:52 PM  
**To:** Laviolette, Carrie  
**Subject:** FedEx Shipment 777275911749 Delivered

# Your package has been delivered

Tracking # 777275911749

Ship date:  
**Tue, 9/20/2016**

**JOSH BAIRD**  
TETRA TECH -  
HOME  
Buffalo, NY 14203  
US



Delivered

Delivery date:  
**Wed, 9/21/2016**  
**12:49 pm**

**Rory L. Morrison**  
Middlesex Twp Muni.  
Authority  
350 N. Middlesex  
Road, Suite 2  
CARLISLE, PA  
17013  
US



## Shipment Facts


Our records indicate that the following package has been delivered.

<b>Tracking number:</b>	<a href="#">777275911749</a>
<b>Status:</b>	Delivered: 09/21/2016 12:49 PM Signed for By: R.KOCH
<b>Reference:</b>	112IC05958, 16
<b>Signed for by:</b>	R.KOCH
<b>Delivery location:</b>	CARLISLE, PA
<b>Delivered to:</b>	Receptionist/Front Desk
<b>Service type:</b>	FedEx Standard Overnight
<b>Packaging type:</b>	FedEx Envelope
<b>Number of pieces:</b>	1
<b>Weight:</b>	0.50 lb.

<b>Special handling/Services:</b>	Direct Signature Required
-----------------------------------	---------------------------

Deliver Weekday

<b>Standard transit:</b>	9/21/2016 by 3:00 pm
--------------------------	----------------------

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 11:51 AM CDT on 09/21/2016.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Standard transit is the date and time the package is scheduled to be delivered by, based on the selected service, destination and ship date. Limitations and exceptions may apply. Please see the FedEx Service Guide for terms and conditions of service, including the FedEx Money-Back Guarantee, or contact your FedEx Customer Support representative.

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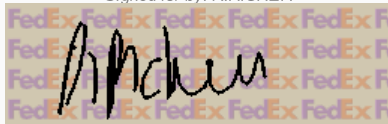
**777471551307**

Ship date:  
**Fri 10/14/2016**



**Delivered**

Signed for by: R.RICKER



**TETRA TECH - HOME**  
 JOSH BAIRD  
 301 ELLICOTT STREET  
 Buffalo, NY US 14203  
 716 849-9419

Actual delivery:  
**Mon 10/17/2016 12:23 pm**

Middlesex Township Muni.  
 Authority  
 350 N. Middlesex Road, Suite 2  
 CARLISLE, PA US 17013  
 716 849-9419

tracking number

United States - English

**Travel History**

Date/Time	Activity	Location
<b>10/17/2016 - Monday</b>		
12:23 pm	Delivered	CARLISLE, PA
7:56 am	On FedEx vehicle for delivery	MIDDLETOWN, PA
7:36 am	At local FedEx facility	MIDDLETOWN, PA
<b>10/15/2016 - Saturday</b>		
8:12 am	At local FedEx facility	MIDDLETOWN, PA
	Package not due for delivery	
8:12 am	At local FedEx facility	MIDDLETOWN, PA
6:50 am	At destination sort facility	MIDDLETOWN, PA
4:01 am	Departed FedEx location	MEMPHIS, TN
<b>10/14/2016 - Friday</b>		
11:21 pm	Arrived at FedEx location	MEMPHIS, TN
4:49 pm	Picked up	CHEEKTOWAGA, NY
11:11 am	Shipment information sent to FedEx	

Use | Security and Privacy

**Shipment Facts**

<b>Tracking number</b>	777471551307	<b>Service</b>	FedEx Standard Overnight
<b>Weight</b>	0.5 lbs / 0.23 kgs	<b>Signature services</b>	Adult signature required
<b>Delivery attempts</b>	1	<b>Delivered To</b>	Receptionist/Front Desk
<b>Total pieces</b>	1	<b>Total shipment weight</b>	0.5 lbs / 0.23 kgs
<b>Terms</b>	Not Available	<b>Shipper reference</b>	112IC05958, 16
<b>Packaging</b>	FedEx Envelope	<b>Special handling section</b>	Deliver Weekday, Adult Signature Required
<b>Standard transit</b>	10/17/2016 by 3:00 pm		

Ask FedEx

---

**To:** Middletown Boro Water Auth Telephone: 717-948-3055

**Contact name:** Daniel Standish

---

**From:** Josh Baird (Tt)

---

**Date:** September 20, 2016

---

**Subject:** Sunoco Pipeline L.P. – Pennsylvania Pipeline Project Public Water Supply Coordination

---

A letter was sent to Daniel Standish at Middletown Boro Water Auth on September 20, 2016 requesting information regarding Public Water Supply (PWS) source(s) and/or facility(s) in location to the Pennsylvania Pipeline Project (Project) in order to assess any potential impacts to the PWS. An additional letter was sent with an updated project description on October 14, 2016.

A brief description of the Project was included as well a Site Map related to the location of the PWS in question.

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September 20, 2016

**MIDDLETOWN BORO WATER AUTH**  
**453 South Lawrence Street**  
**Middletown, PA 17057**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

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Thank you for your timely response to this matter.

Sincerely,

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Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



October 14, 2016

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The enclosed letter is on behalf of Sunoco Pipeline, L.P. (SPLP), in regards to a previously delivered letter dated September 20, 2016 referencing the Chapter 105 Water Obstruction and Encroachments Permit for the Pennsylvania Pipeline Project (Project). In that letter the project description indicated the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. The Project also includes the installation of a 16-inch pipeline within the same previously described 306-mile, 50-foot-wide right-of-way (ROW). The intention of this letter is to clarify the two planned parallel pipelines. Routing and workspaces will not change from what was previously indicated.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird', with a stylized flourish at the end.

Joshua S. Baird

Tetra Tech, Inc.



October 14, 2016

**MIDDLETOWN BORO WATER AUTH**  
453 South Lawrence Street  
Middletown, PA 17057

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project  
Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of two parallel pipelines within an approximately 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. A 20-inch diameter pipeline will be installed within the ROW from Houston to Marcus Hook (306 miles) and a second, 16-inch diameter pipeline, will also be installed in the same ROW. The second line is proposed to be installed from SPLP's Delmont Station, Westmoreland County, Pennsylvania to the Marcus Hook facility, paralleling the initial line for approximately 255 miles. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

As part of the PADEP permit requirements, we and Sunoco respectfully request your review of the Project's location as it relates to your Public Water Supply (PWS) source(s) and/or facility(s), and assess any potential impacts to the PWS. SPLP also requests the approximate location and/or name of the waterbody that is the water supply. If you require additional information and/or consultation pertaining to the Project, please contact Joshua Baird using the contact info listed below. **If further consultation is not initiated by October 18, SPLP will deem the Project in good standing as it relates to your PWS, and will proceed as planned.**

The following attachments are included for your review:

- Site Map showing the location of the proposed pipeline Project ROW as it relates to the Public Water Supply Areas obtained from the Pennsylvania Department of Environmental Protection's eMapPA application.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

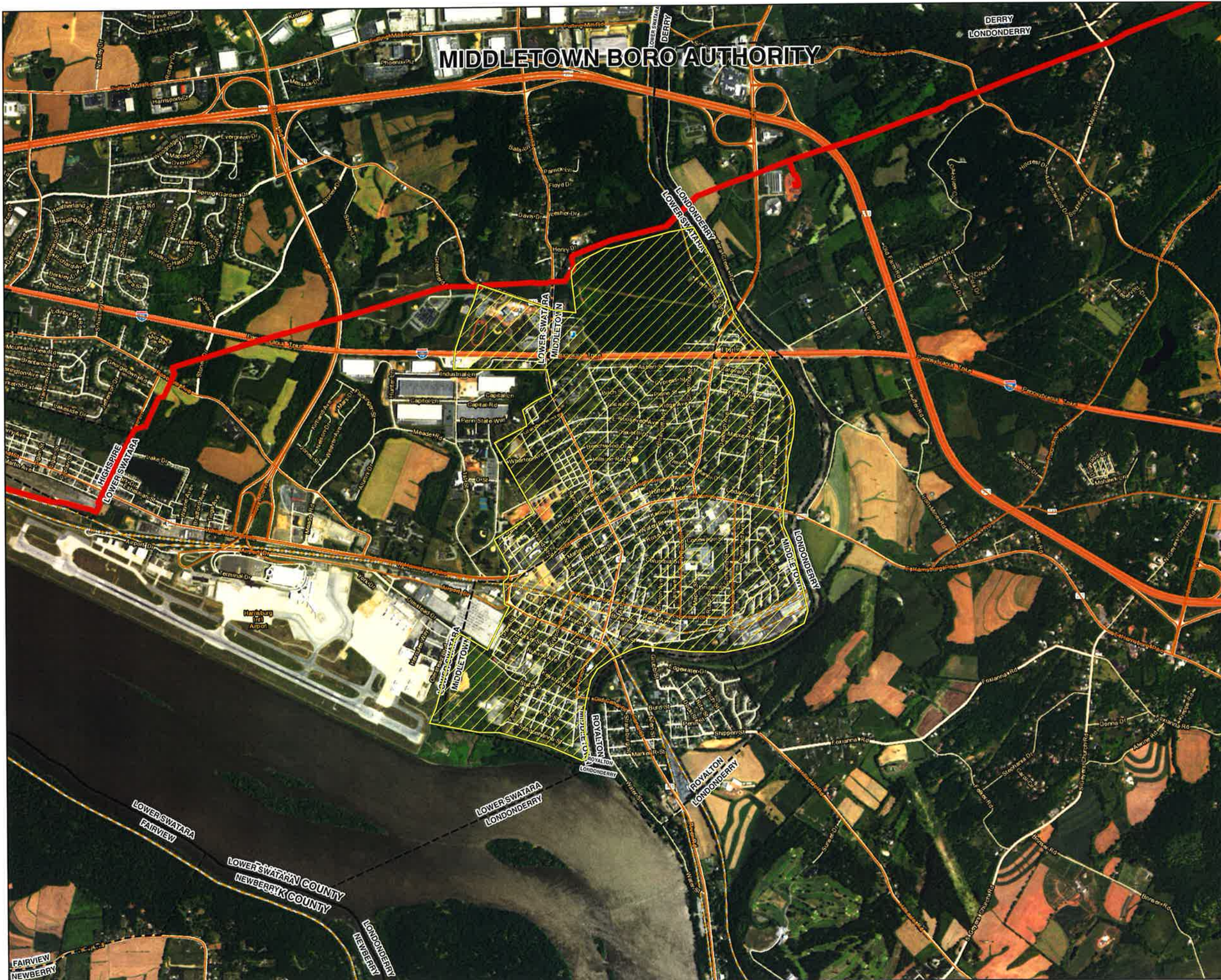
Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.






Enclosures: Site Map



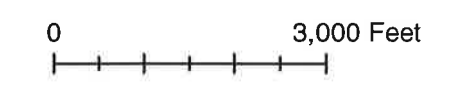
**Global Indicator**



**Legend**

-  Proposed Pipeline
-  PA State Roads
-  PA County
-  PA Municipality
-  Public Water Supply Area

**Sunoco PA Pipeline Project  
Public Water Supply Area**




Prepared For:  


Prepared By:  

Date:  
9/2016

Base Map;  
 ESRI World Imagery, October 2011  
 Coordinate System NAD 83  
 Stateplane, PA South, Feet



## Laviolette, Carrie

---

**From:** trackingupdates@fedex.com  
**Sent:** Wednesday, September 21, 2016 10:48 AM  
**To:** Laviolette, Carrie  
**Subject:** FedEx Shipment 777275924061 Delivered

## Your package has been delivered

Tracking # 777275924061

Ship date:  
**Tue, 9/20/2016**

**JOSH BAIRD**  
TETRA TECH -  
HOME  
Buffalo, NY 14203  
US



Delivered

Delivery date:  
**Wed, 9/21/2016**  
**10:43 am**

**Daniel Standish**  
Middletown Boro.  
Water Authority  
453 South Lawrence  
Street  
MIDDLETOWN, PA  
17057  
US



### Shipment Facts


Our records indicate that the following package has been delivered.

<b>Tracking number:</b>	<a href="#">777275924061</a>
<b>Status:</b>	Delivered: 09/21/2016 10:43 AM Signed for By: W.SHAEFFER
<b>Reference:</b>	112IC05958, 16
<b>Signed for by:</b>	W.SHAEFFER
<b>Delivery location:</b>	MIDDLETOWN, PA
<b>Delivered to:</b>	Receptionist/Front Desk
<b>Service type:</b>	FedEx Standard Overnight
<b>Packaging type:</b>	FedEx Envelope
<b>Number of pieces:</b>	1
<b>Weight:</b>	0.50 lb.

<b>Special handling/Services:</b>	Direct Signature Required
-----------------------------------	---------------------------

Deliver Weekday

<b>Standard transit:</b>	9/21/2016 by 3:00 pm
--------------------------	----------------------

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 9:48 AM CDT on 09/21/2016.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Standard transit is the date and time the package is scheduled to be delivered by, based on the selected service, destination and ship date. Limitations and exceptions may apply. Please see the FedEx Service Guide for terms and conditions of service, including the FedEx Money-Back Guarantee, or contact your FedEx Customer Support representative.

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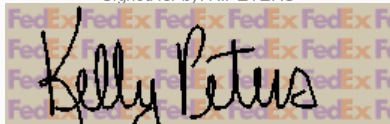
**777473902909**

Ship date:  
**Fri 10/14/2016**



**Delivered**

Signed for by: *K. PETERS*



**TETRA TECH - HOME**  
 JOSH BAIRD  
 301 ELLICOTT STREET  
 Buffalo, NY US 14203  
 716 849-9419

Actual delivery:  
**Mon 10/17/2016 1:14 pm**

Middletown Boro. Water Authority  
 453 South Lawrence Street  
 MIDDLETOWN, PA US 17057  
 716 849-9419

tracking number

United States - English

**Travel History**

Date/Time	Activity	Location
<b>10/17/2016 - Monday</b>		
1:14 pm	Delivered	MIDDLETOWN, PA
8:22 am	On FedEx vehicle for delivery	MIDDLETOWN, PA
7:12 am	At local FedEx facility	MIDDLETOWN, PA
<b>10/15/2016 - Saturday</b>		
8:04 am	At local FedEx facility Package not due for delivery	MIDDLETOWN, PA
8:04 am	At local FedEx facility	MIDDLETOWN, PA
6:50 am	At destination sort facility	MIDDLETOWN, PA
4:01 am	Departed FedEx location	MEMPHIS, TN
<b>10/14/2016 - Friday</b>		
11:21 pm	Arrived at FedEx location	MEMPHIS, TN
4:49 pm	Picked up	CHEEKTOWAGA, NY
1:38 pm	Shipment information sent to FedEx	

Use | Security and Privacy

**Shipment Facts**

<b>Tracking number</b>	777473902909	<b>Service</b>	FedEx Standard Overnight
<b>Weight</b>	0.5 lbs / 0.23 kgs	<b>Signature services</b>	Adult signature required
<b>Delivery attempts</b>	1	<b>Delivered To</b>	Receptionist/Front Desk
<b>Total pieces</b>	1	<b>Total shipment weight</b>	0.5 lbs / 0.23 kgs
<b>Terms</b>	Not Available	<b>Shipper reference</b>	112IC05958, 16
<b>Packaging</b>	FedEx Envelope	<b>Special handling section</b>	Deliver Weekday, Adult Signature Required
<b>Standard transit</b>	10/17/2016 by 3:00 pm		

Ask FedEx

---

**To:** N. Middleton Water Auth Telephone: 717-243-8269

**Contact name:** E. Lee Koch

---

**From:** Josh Baird (Tt)

---

**Date:** September 20, 2016

---

**Subject:** Sunoco Pipeline L.P. – Pennsylvania Pipeline Project Public Water Supply Coordination

---

A letter was sent to E. Lee Koch at N. Middleton Water Auth on September 20, 2016 requesting information regarding Public Water Supply (PWS) source(s) and/or facility(s) in location to the Pennsylvania Pipeline Project (Project) in order to assess any potential impacts to the PWS. An additional letter was sent with an updated project description on October 14, 2016.

A brief description of the Project was included as well a Site Map related to the location of the PWS in question.

Delivery confirmation indicated the initial letter was received on September 21, 2016, and the subsequent letter on October 17, 2016.



September 20, 2016

**N MIDDLETON WATER AUTH**  
**240 Clearwater Drive**  
**Carlisle, PA 17013**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

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The following attachments are included for your review:

- Site Map showing the location of the proposed pipeline Project ROW as it relates to the Public Water Supply Areas obtained from the Pennsylvania Department of Environmental Protection's eMapPA application.

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Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



October 14, 2016

Dear Sir or Madam,

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Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'J. Baird', written over a light blue horizontal line.

Joshua S. Baird

Tetra Tech, Inc.



October 14, 2016

**N MIDDLETON WATER AUTH**  
240 Clearwater Drive  
Carlisle, PA 17013

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project  
Public Water Supply Coordination**

Dear Sir or Madam,

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Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map

# NORTH MIDDLETON AUTHORITY

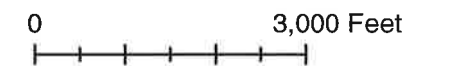
## Global Indicator



## Legend

- Proposed Pipeline
- PA State Roads
- PA County
- PA Municipality
- Public Water Supply Area

### Sunoco PA Pipeline Project Public Water Supply Area



Prepared For:



Prepared By:



Date:

9/2016

Base Map;  
ESRI World Imagery, October 2011  
Coordinate System NAD 83  
Stateplane, PA South, Feet



## Laviolette, Carrie

---

**From:** trackingupdates@fedex.com  
**Sent:** Wednesday, September 21, 2016 11:16 AM  
**To:** Laviolette, Carrie  
**Subject:** FedEx Shipment 777275936709 Delivered

## Your package has been delivered

Tracking # 777275936709

Ship date:  
**Tue, 9/20/2016**

**JOSH BAIRD**

TETRA TECH -  
HOME  
Buffalo, NY 14203  
US



Delivered

Delivery date:  
**Wed, 9/21/2016**  
**11:06 am**

**E Lee Koch**

N. Middleton Water  
Authority  
240 Clearwater Drive  
CARLISLE, PA  
17013  
US

**FedEx**


### Shipment Facts

Our records indicate that the following package has been delivered.

<b>Tracking number:</b>	<a href="#">777275936709</a>
<b>Status:</b>	Delivered: 09/21/2016 11:06 AM Signed for By: B.MILLER
<b>Reference:</b>	112IC05958, 16
<b>Signed for by:</b>	B.MILLER
<b>Delivery location:</b>	CARLISLE, PA
<b>Delivered to:</b>	Receptionist/Front Desk
<b>Service type:</b>	FedEx Standard Overnight
<b>Packaging type:</b>	FedEx Envelope
<b>Number of pieces:</b>	1
<b>Weight:</b>	0.50 lb.
<b>Special handling/Services:</b>	Direct Signature Required

Deliver Weekday

**Standard transit:** 9/21/2016 by 3:00 pm

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 10:16 AM CDT on 09/21/2016.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Standard transit is the date and time the package is scheduled to be delivered by, based on the selected service, destination and ship date. Limitations and exceptions may apply. Please see the FedEx Service Guide for terms and conditions of service, including the FedEx Money-Back Guarantee, or contact your FedEx Customer Support representative.

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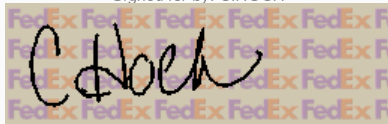
**777473925119**

Ship date:  
**Fri 10/14/2016**



**Delivered**

Signed for by: C.HOCH



**TETRA TECH - HOME**  
 JOSH BAIRD  
 301 ELLICOTT STREET  
 Buffalo, NY US 14203  
 716 849-9419

Actual delivery:  
**Mon 10/17/2016 11:08 am**

N. Middleton Water Authority  
 240 Clearwater Drive  
 CARLISLE, PA US 17013  
 716 849-9419

tracking number

United States - English

**Travel History**

Date/Time	Activity	Location
<b>10/17/2016 - Monday</b>		
11:08 am	Delivered	CARLISLE, PA
7:50 am	On FedEx vehicle for delivery	MIDDLETOWN, PA
7:42 am	At local FedEx facility	MIDDLETOWN, PA
<b>10/15/2016 - Saturday</b>		
8:09 am	At local FedEx facility	MIDDLETOWN, PA
8:09 am	At local FedEx facility	MIDDLETOWN, PA
	Package not due for delivery	
6:50 am	At destination sort facility	MIDDLETOWN, PA
4:01 am	Departed FedEx location	MEMPHIS, TN
<b>10/14/2016 - Friday</b>		
11:21 pm	Arrived at FedEx location	MEMPHIS, TN
4:49 pm	Picked up	CHEEKTOWAGA, NY
1:38 pm	Shipment information sent to FedEx	

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**Shipment Facts**

<b>Tracking number</b>	777473925119	<b>Service</b>	FedEx Standard Overnight
<b>Weight</b>	0.5 lbs / 0.23 kgs	<b>Signature services</b>	Adult signature required
<b>Delivery attempts</b>	1	<b>Delivered To</b>	Receptionist/Front Desk
<b>Total pieces</b>	1	<b>Total shipment weight</b>	0.5 lbs / 0.23 kgs
<b>Terms</b>	Not Available	<b>Shipper reference</b>	112ic05958, 16
<b>Packaging</b>	FedEx Envelope	<b>Special handling section</b>	Deliver Weekday, Adult Signature Required
<b>Standard transit</b>	10/17/2016 by 3:00 pm		

Ask FedEx

---

**To:** PA Amer Water Co - Indiana Telephone: 724-465-6600

**Contact name:** Sherri Medivitz

---

**From:** Josh Baird (Tt)

---

**Date:** September 20, 2016

---

**Subject:** Sunoco Pipeline L.P. – Pennsylvania Pipeline Project Public Water Supply Coordination

---

A letter was sent to Sherri Medivitz at PA Amer Water Co - Indiana on September 20, 2016 requesting information regarding Public Water Supply (PWS) source(s) and/or facility(s) in location to the Pennsylvania Pipeline Project (Project) in order to assess any potential impacts to the PWS. An additional letter was sent with an updated Project description on October 14, 2016.

A brief description of the Project was included as well a Site Map related to the location of the PWS in question.

Delivery confirmation indicated the initial letter was received on September 21, 2016, and the subsequent letter on October 17, 2016.



September 20, 2016

**PA AMERICAN WATER CO-INDIANA D  
1034 Waterworks Rd  
Indiana, PA 15701**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project  
Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

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Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



October 14, 2016

Dear Sir or Madam,

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Thank you for your timely response to this matter.

Sincerely,

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Joshua S. Baird

Tetra Tech, Inc.



October 14, 2016

**PA AMERICAN WATER CO-INDIANA D**  
**1034 Waterworks Rd**  
**Indiana, PA 15701**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of two parallel pipelines within an approximately 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. A 20-inch diameter pipeline will be installed within the ROW from Houston to Marcus Hook (306 miles) and a second, 16-inch diameter pipeline, will also be installed in the same ROW. The second line is proposed to be installed from SPLP's Delmont Station, Westmoreland County, Pennsylvania to the Marcus Hook facility, paralleling the initial line for approximately 255 miles. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

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- Site Map showing the location of the proposed pipeline Project ROW as it relates to the Public Water Supply Areas obtained from the Pennsylvania Department of Environmental Protection's eMapPA application.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

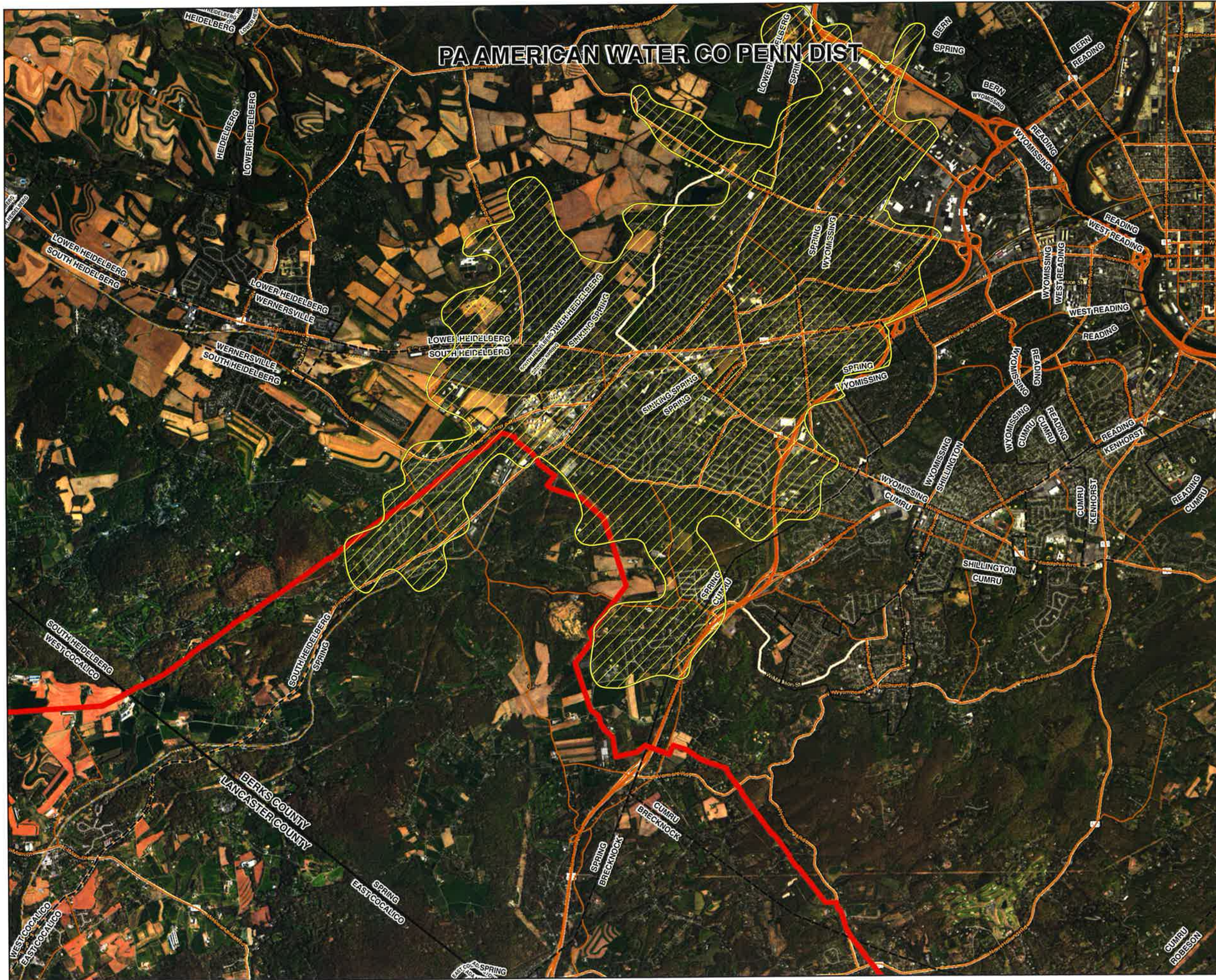
Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map








PA AMERICAN WATER CO PENN DIST

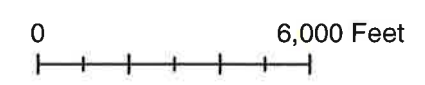
Global Indicator



Legend

-  Proposed Pipeline
-  PA State Roads
-  PA County
-  PA Municipality
-  Public Water Supply Area

Sunoco PA Pipeline Project  
Public Water Supply Area



Prepared For:  
 **Sunoco Pipeline L.P.**

Prepared By:  
 **TETRA TECH**

Date:  
9/2016

Base Map;  
ESRI World Imagery, October 2011  
Coordinate System NAD 83  
Stateplane, PA South, Feet



## Lavolette, Carrie

---

**From:** trackingupdates@fedex.com  
**Sent:** Wednesday, September 21, 2016 2:03 PM  
**To:** Lavolette, Carrie  
**Subject:** FedEx Shipment 777276007027 Delivered

## Your package has been delivered

Tracking # [777276007027](#)

Ship date:  
**Tue, 9/20/2016**

**JOSH BAIRD**  
TETRA TECH -  
HOME  
Buffalo, NY 14203  
US



Delivery date:  
**Wed, 9/21/2016**  
**2:00 pm**

**Sherri Medivitz**  
PA American Water  
Co - Indiana  
1034 Waterworks  
Road  
INDIANA, PA 15701  
US




### Shipment Facts

Our records indicate that the following package has been delivered.

<b>Tracking number:</b>	<a href="#">777276007027</a>
<b>Status:</b>	Delivered: 09/21/2016 2:00 PM Signed for By: H.MCANULTY
<b>Reference:</b>	112IC05958, 16
<b>Signed for by:</b>	H.MCANULTY
<b>Delivery location:</b>	INDIANA, PA
<b>Delivered to:</b>	Receptionist/Front Desk
<b>Service type:</b>	FedEx Standard Overnight
<b>Packaging type:</b>	FedEx Envelope
<b>Number of pieces:</b>	1
<b>Weight:</b>	0.50 lb.
<b>Special handling/Services:</b>	Direct Signature Required

Deliver Weekday

**Standard transit:** 9/21/2016 by 4:30 pm

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 1:02 PM CDT on 09/21/2016.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Standard transit is the date and time the package is scheduled to be delivered by, based on the selected service, destination and ship date. Limitations and exceptions may apply. Please see the FedEx Service Guide for terms and conditions of service, including the FedEx Money-Back Guarantee, or contact your FedEx Customer Support representative.

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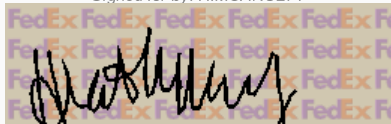
**777473999007**

Ship date:  
**Fri 10/14/2016**



**Delivered**

Signed for by: H.MCANULTY



**TETRA TECH - HOME**  
 JOSH BAIRD  
 301 ELLICOTT STREET  
 Buffalo, NY US 14203  
 716 849-9419

Actual delivery:  
**Mon 10/17/2016 1:02 pm**

PA American Water Co. - Indiana D  
 1034 Waterworks Road  
 INDIANA, PA US 15701  
 716 849-9419

tracking number

United States - English

**Travel History**

Date/Time	Activity	Location
<b>10/17/2016 - Monday</b>		
1:02 pm	Delivered	INDIANA, PA
8:08 am	On FedEx vehicle for delivery	JOHNSTOWN, PA
<b>10/15/2016 - Saturday</b>		
12:07 pm	At local FedEx facility	JOHNSTOWN, PA
9:32 am	At local FedEx facility	JOHNSTOWN, PA
6:23 am	At destination sort facility	MOON TOWNSHIP, PA
4:27 am	In transit	MEMPHIS, TN
3:56 am	Departed FedEx location	MEMPHIS, TN
<b>10/14/2016 - Friday</b>		
11:21 pm	Arrived at FedEx location	MEMPHIS, TN
4:49 pm	Picked up	CHEEKTOWAGA, NY
1:38 pm	Shipment information sent to FedEx	

Use | Security and Privacy

**Shipment Facts**

<b>Tracking number</b>	777473999007	<b>Service</b>	FedEx Standard Overnight
<b>Weight</b>	0.5 lbs / 0.23 kgs	<b>Signature services</b>	Adult signature required
<b>Delivery attempts</b>	1	<b>Delivered To</b>	Receptionist/Front Desk
<b>Total pieces</b>	1	<b>Total shipment weight</b>	0.5 lbs / 0.23 kgs
<b>Terms</b>	Not Available	<b>Shipper reference</b>	112IC05958, 16
<b>Packaging</b>	FedEx Envelope	<b>Special handling section</b>	Deliver Weekday, Adult Signature Required
<b>Standard transit</b>	10/17/2016 by 4:30 pm		

Ask FedEx

---

**To:** PA Amer Water Co - Pittsburgh Telephone: 724-437-0102

**Contact name:** Not available

---

**From:** Josh Baird (Tt)

---

**Date:** September 20, 2016

---

**Subject:** Sunoco Pipeline L.P. – Pennsylvania Pipeline Project Public Water Supply Coordination

---

A letter was sent to PA Amer Water Co – Pittsburgh on September 20, 2016 requesting information regarding Public Water Supply (PWS) source(s) and/or facility(s) in location to the Pennsylvania Pipeline Project (Project) in order to assess any potential impacts to the PWS. An additional letter was sent with an updated Project description on October 14, 2016.

A brief description of the Project was included as well a Site Map related to the location of the PWS in question.

Delivery confirmation indicated the initial letter was received on September 21, 2016, and the subsequent letter on October 17, 2016.



September 20, 2016

**PA AMER WATER CO-PITTSBURGH**  
**560 Horning Road**  
**Bethel Park, PA 15102**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

As part of the PADEP permit requirements, we and Sunoco respectfully request your review of the Project's location as it relates to your Public Water Supply (PWS) source(s) and/or facility(s), and assess any potential impacts to the PWS. SPLP also requests the approximate location and/or name of the waterbody that is the water supply. If you require additional information and/or consultation pertaining to the Project, please contact Joshua Baird using the contact info listed below. **If further consultation is not initiated by October 6, SPLP will deem the Project in good standing as it relates to your PWS, and will proceed as planned.**

The following attachments are included for your review:

- Site Map showing the location of the proposed pipeline Project ROW as it relates to the Public Water Supply Areas obtained from the Pennsylvania Department of Environmental Protection's eMapPA application.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



October 14, 2016

Dear Sir or Madam,

The enclosed letter is on behalf of Sunoco Pipeline, L.P. (SPLP), in regards to a previously delivered letter dated September 20, 2016 referencing the Chapter 105 Water Obstruction and Encroachments Permit for the Pennsylvania Pipeline Project (Project). In that letter the project description indicated the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. The Project also includes the installation of a 16-inch pipeline within the same previously described 306-mile, 50-foot-wide right-of-way (ROW). The intention of this letter is to clarify the two planned parallel pipelines. Routing and workspaces will not change from what was previously indicated.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'J. Baird', with a stylized flourish at the end.

Joshua S. Baird

Tetra Tech, Inc.



October 14, 2016

**PA AMER WATER CO-PITTSBURGH**  
560 Horning Road  
Bethel Park, PA 15102

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project  
Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of two parallel pipelines within an approximately 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. A 20-inch diameter pipeline will be installed within the ROW from Houston to Marcus Hook (306 miles) and a second, 16-inch diameter pipeline, will also be installed in the same ROW. The second line is proposed to be installed from SPLP's Delmont Station, Westmoreland County, Pennsylvania to the Marcus Hook facility, paralleling the initial line for approximately 255 miles. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

As part of the PADEP permit requirements, we and Sunoco respectfully request your review of the Project's location as it relates to your Public Water Supply (PWS) source(s) and/or facility(s), and assess any potential impacts to the PWS. SPLP also requests the approximate location and/or name of the waterbody that is the water supply. If you require additional information and/or consultation pertaining to the Project, please contact Joshua Baird using the contact info listed below. **If further consultation is not initiated by October 18, SPLP will deem the Project in good standing as it relates to your PWS, and will proceed as planned.**

The following attachments are included for your review:

- Site Map showing the location of the proposed pipeline Project ROW as it relates to the Public Water Supply Areas obtained from the Pennsylvania Department of Environmental Protection's eMapPA application.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

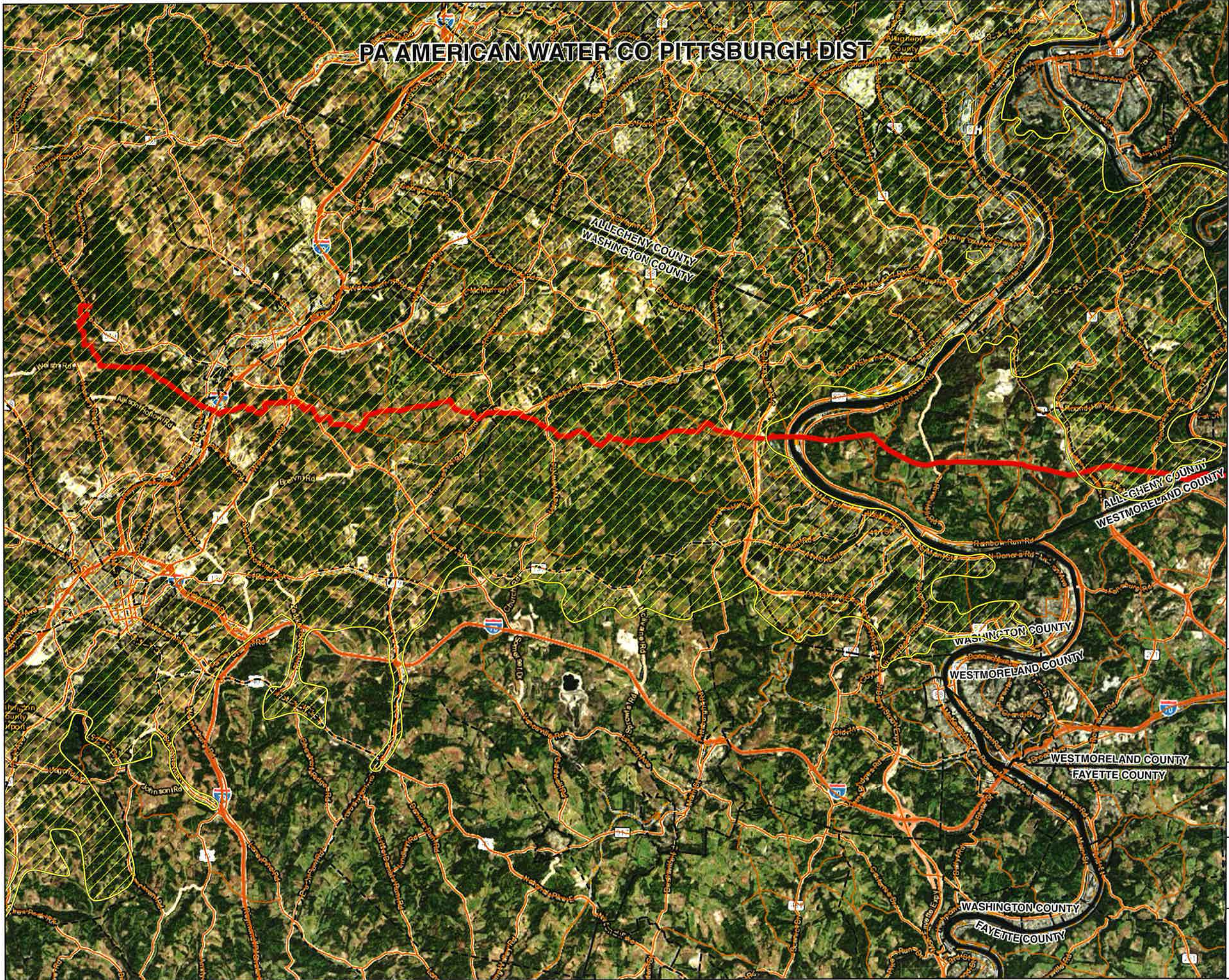
Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map

# PA AMERICAN WATER CO PITTSBURGH DIST



## Global Indicator



## Legend

- Proposed Pipeline
- PA State Roads
- PA County
- PA Municipality
- Public Water Supply Area

## Sunoco PA Pipeline Project Public Water Supply Area



Prepared For:




Prepared By:



Date:  
9/2016

Base Map:  
ESRI World Imagery, October 2011  
Coordinate System NAD 83  
Stateplane, PA South, Feet




## Laviolette, Carrie

---

**From:** trackingupdates@fedex.com  
**Sent:** Wednesday, September 21, 2016 11:55 AM  
**To:** Laviolette, Carrie  
**Subject:** FedEx Shipment 777275992341 Delivered

## Your package has been delivered

Tracking # 777275992341

Ship date: <b>Tue, 9/20/2016</b>	Delivery date: <b>Wed, 9/21/2016 11:47 am</b>	
<b>JOSH BAIRD</b> TETRA TECH - HOME Buffalo, NY 14203 US	 <b>Delivered</b>	<b>PA Amer. Water Co</b> - Pittsburgh 560 Horning Road BETHEL PARK, PA 15102 US

### Shipment Facts


Our records indicate that the following package has been delivered.

<b>Tracking number:</b>	<a href="#">777275992341</a>
<b>Status:</b>	Delivered: 09/21/2016 11:47 AM Signed for By: E.BELLMAN
<b>Reference:</b>	112IC05958, 16
<b>Signed for by:</b>	E.BELLMAN
<b>Delivery location:</b>	BETHEL PARK, PA
<b>Delivered to:</b>	Receptionist/Front Desk
<b>Service type:</b>	FedEx Standard Overnight
<b>Packaging type:</b>	FedEx Envelope
<b>Number of pieces:</b>	1
<b>Weight:</b>	0.50 lb.
<b>Special handling/Services:</b>	Direct Signature Required



Deliver Weekday

**Standard transit:** 9/21/2016 by 3:00 pm

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 10:54 AM CDT on 09/21/2016.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Standard transit is the date and time the package is scheduled to be delivered by, based on the selected service, destination and ship date. Limitations and exceptions may apply. Please see the FedEx Service Guide for terms and conditions of service, including the FedEx Money-Back Guarantee, or contact your FedEx Customer Support representative.

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**777473957261**

Ship date:  
**Fri 10/14/2016**

**TETRA TECH - HOME**  
 JOSH BAIRD  
 301 ELLICOTT STREET  
 Buffalo, NY US 14203  
 716 849-9419



**Delivered**

*Signed for by: B.NEUGENT*



Actual delivery:  
**Mon 10/17/2016 10:12 am**

PA Amer. Water Co - Pittsburgh  
 560 Horning Road  
 BETHEL PARK, PA US 15102  
 724 437-0102

tracking number

United States - English

**Travel History**

Date/Time	Activity	Location
<b>10/17/2016 - Monday</b>		
10:12 am	Delivered	BETHEL PARK, PA
7:36 am	On FedEx vehicle for delivery	PITTSBURGH, PA
6:11 am	At local FedEx facility	PITTSBURGH, PA
<b>10/15/2016 - Saturday</b>		
6:23 am	At destination sort facility	MOON TOWNSHIP, PA
4:27 am	In transit	MEMPHIS, TN
3:56 am	Departed FedEx location	MEMPHIS, TN
<b>10/14/2016 - Friday</b>		
11:21 pm	Arrived at FedEx location	MEMPHIS, TN
4:49 pm	Picked up	CHEEKTOWAGA, NY
1:41 pm	Shipment information sent to FedEx	

Use | Security and Privacy

**Shipment Facts**

<b>Tracking number</b>	777473957261	<b>Service</b>	FedEx Standard Overnight
<b>Weight</b>	0.5 lbs / 0.23 kgs	<b>Signature services</b>	Adult signature required
<b>Delivery attempts</b>	1	<b>Delivered To</b>	Receptionist/Front Desk
<b>Total pieces</b>	1	<b>Total shipment weight</b>	0.5 lbs / 0.23 kgs
<b>Terms</b>	Not Available	<b>Shipper reference</b>	112IC05958, 16
<b>Packaging</b>	FedEx Envelope	<b>Special handling section</b>	Deliver Weekday, Adult Signature Required
<b>Standard transit</b>	10/17/2016 by 3:00 pm		

Ask FedEx

---

**To:** PA Amer Water Co West Telephone: 717-774-7460

**Contact name:** Shawn Wiley

---

**From:** Josh Baird (Tt)

---

**Date:** September 20, 2016

---

**Subject:** Sunoco Pipeline L.P. – Pennsylvania Pipeline Project Public Water Supply Coordination

---

A letter was sent to Shawn Wiley at PA Amer Water Co West on September 20, 2016 requesting information regarding Public Water Supply (PWS) source(s) and/or facility(s) in location to the Pennsylvania Pipeline Project (Project) in order to assess any potential impacts to the PWS. An additional letter was sent with an updated project description on October 14, 2016.

A brief description of the Project was included as well a Site Map related to the location of the PWS in question.

Delivery confirmation indicated the initial letter was received on September 21, 2016, and the subsequent letter on October 17, 2016.



September 20, 2016

**PA AMERICAN WATER CO WEST  
275 Steigerwalt Hollow Road  
New Cumberland, PA 17070**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project  
Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

As part of the PADEP permit requirements, we and Sunoco respectfully request your review of the Project's location as it relates to your Public Water Supply (PWS) source(s) and/or facility(s), and assess any potential impacts to the PWS. SPLP also requests the approximate location and/or name of the waterbody that is the water supply. If you require additional information and/or consultation pertaining to the Project, please contact Joshua Baird using the contact info listed below. **If further consultation is not initiated by October 6, SPLP will deem the Project in good standing as it relates to your PWS, and will proceed as planned.**

The following attachments are included for your review:

- Site Map showing the location of the proposed pipeline Project ROW as it relates to the Public Water Supply Areas obtained from the Pennsylvania Department of Environmental Protection's eMapPA application.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



October 14, 2016

Dear Sir or Madam,

The enclosed letter is on behalf of Sunoco Pipeline, L.P. (SPLP), in regards to a previously delivered letter dated September 20, 2016 referencing the Chapter 105 Water Obstruction and Encroachments Permit for the Pennsylvania Pipeline Project (Project). In that letter the project description indicated the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. The Project also includes the installation of a 16-inch pipeline within the same previously described 306-mile, 50-foot-wide right-of-way (ROW). The intention of this letter is to clarify the two planned parallel pipelines. Routing and workspaces will not change from what was previously indicated.

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Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'J. Baird', written in a cursive style.

Joshua S. Baird

Tetra Tech, Inc.



October 14, 2016

**PA AMERICAN WATER CO WEST**  
**275 Steigerwalt Hollow Road**  
**New Cumberland, PA 17070**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of two parallel pipelines within an approximately 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. A 20-inch diameter pipeline will be installed within the ROW from Houston to Marcus Hook (306 miles) and a second, 16-inch diameter pipeline, will also be installed in the same ROW. The second line is proposed to be installed from SPLP's Delmont Station, Westmoreland County, Pennsylvania to the Marcus Hook facility, paralleling the initial line for approximately 255 miles. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

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The following attachments are included for your review:

- Site Map showing the location of the proposed pipeline Project ROW as it relates to the Public Water Supply Areas obtained from the Pennsylvania Department of Environmental Protection's eMapPA application.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

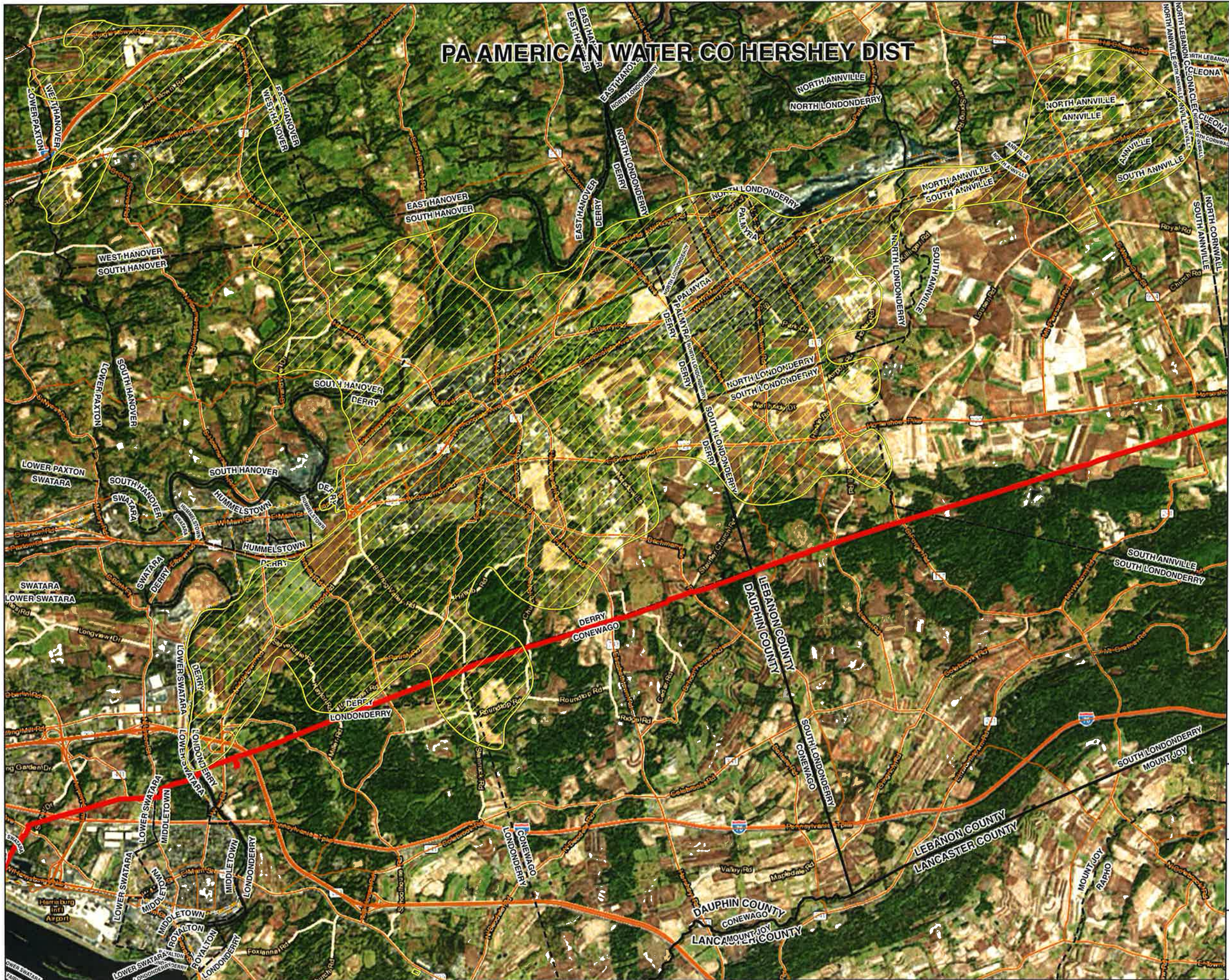
Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map






# PA AMERICAN WATER CO HERSHEY DIST



## Global Indicator



## Legend

-  Proposed Pipeline
-  PA State Roads
-  PA County
-  PA Municipality
-  Public Water Supply Area

## Sunoco PA Pipeline Project Public Water Supply Area



Prepared For:



Prepared By:



Date:

9/2016

Base Map;  
ESRI World Imagery, October 2011  
Coordinate System NAD 83  
Stateplane, PA South, Feet



## Laviolette, Carrie

---

**From:** trackingupdates@fedex.com  
**Sent:** Wednesday, September 21, 2016 11:39 AM  
**To:** Laviolette, Carrie  
**Subject:** FedEx Shipment 777275978212 Delivered

## Your package has been delivered

Tracking # 777275978212

Ship date:  
**Tue, 9/20/2016**

**JOSH BAIRD**  
TETRA TECH -  
HOME  
Buffalo, NY 14203  
US



Delivered

Delivery date:  
**Wed, 9/21/2016**  
**11:36 am**

**Shawn Wiley**  
PA Amer. Water Co -  
West  
275 Steigerwalt  
Hollow Road  
NEW CUMBERLAND,  
PA 17070  
US

**FedEx**

### Shipment Facts


Our records indicate that the following package has been delivered.

<b>Tracking number:</b>	<a href="#">777275978212</a>
<b>Status:</b>	Delivered: 09/21/2016 11:36 AM Signed for By: T.THOTTO
<b>Reference:</b>	112IC05958, 16
<b>Signed for by:</b>	T.THOTTO
<b>Delivery location:</b>	NEW CUMBERLAND, PA
<b>Delivered to:</b>	Receptionist/Front Desk
<b>Service type:</b>	FedEx Standard Overnight
<b>Packaging type:</b>	FedEx Envelope
<b>Number of pieces:</b>	1
<b>Weight:</b>	0.50 lb.

<b>Special handling/Services:</b>	Direct Signature Required
-----------------------------------	---------------------------

Deliver Weekday

<b>Standard transit:</b>	9/21/2016 by 3:00 pm
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 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 10:38 AM CDT on 09/21/2016.

All weights are estimated.

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**777473981483**

Ship date:  
**Fri 10/14/2016**

**TETRA TECH - HOME**  
 JOSH BAIRD  
 301 ELLICOTT STREET  
 Buffalo, NY US 14203  
 716 849-9419



**Delivered**

Signed for by: J.SHOTTO



Actual delivery:  
**Mon 10/17/2016 11:09 am**

PA American Water Co. West  
 275 Steigerwalt Hollow Road  
 NEW CUMBERLAND, PA US  
 17070  
 716 849-9419

tracking number

United States - English

**Travel History**

Date/Time	Activity	Location
<b>10/17/2016 - Monday</b>		
11:09 am	Delivered	NEW CUMBERLAND, PA
8:18 am	On FedEx vehicle for delivery	MIDDLETOWN, PA
7:34 am	At local FedEx facility	MIDDLETOWN, PA
<b>10/15/2016 - Saturday</b>		
7:59 am	At local FedEx facility	MIDDLETOWN, PA
7:59 am	At local FedEx facility	MIDDLETOWN, PA
	Package not due for delivery	
6:50 am	At destination sort facility	MIDDLETOWN, PA
4:01 am	Departed FedEx location	MEMPHIS, TN
<b>10/14/2016 - Friday</b>		
11:21 pm	Arrived at FedEx location	MEMPHIS, TN
4:49 pm	Picked up	CHEEKTOWAGA, NY
1:40 pm	Shipment information sent to FedEx	

Use | Security and Privacy

**Shipment Facts**

<b>Tracking number</b>	777473981483	<b>Service</b>	FedEx Standard Overnight
<b>Weight</b>	0.5 lbs / 0.23 kgs	<b>Signature services</b>	Adult signature required
<b>Delivery attempts</b>	1	<b>Delivered To</b>	Receptionist/Front Desk
<b>Total pieces</b>	1	<b>Total shipment weight</b>	0.5 lbs / 0.23 kgs
<b>Terms</b>	Not Available	<b>Shipper reference</b>	112IC05958, 16
<b>Packaging</b>	FedEx Envelope	<b>Special handling section</b>	Deliver Weekday, Adult Signature Required
<b>Standard transit</b>	10/17/2016 by 3:00 pm		

Ask FedEx

---

**To:** PA Amer Water Co Telephone: 717-533-5627

**Contact name:** Justin Brame

---

**From:** Josh Baird (Tt)

---

**Date:** September 20, 2016

---

**Subject:** Sunoco Pipeline L.P. – Pennsylvania Pipeline Project Public Water Supply Coordination

---

A letter was sent to Justin Brame at PA Amer Water Co on September 20, 2016 requesting information regarding Public Water Supply (PWS) source(s) and/or facility(s) in location to the Pennsylvania Pipeline Project (Project) in order to assess any potential impacts to the PWS. An additional letter was sent with an updated Project description on October 14, 2016.

A brief description of the Project was included as well a Site Map related to the location of the PWS in question.

Delivery confirmation indicated the initial letter was received on September 21, 2016, and the subsequent letter on October 17, 2016.



September 20, 2016

**PA AMER WATER CO**  
**200 East Canal Street**  
**Hummelstown, PA 17036**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

As part of the PADEP permit requirements, we and Sunoco respectfully request your review of the Project's location as it relates to your Public Water Supply (PWS) source(s) and/or facility(s), and assess any potential impacts to the PWS. SPLP also requests the approximate location and/or name of the waterbody that is the water supply. If you require additional information and/or consultation pertaining to the Project, please contact Joshua Baird using the contact info listed below. **If further consultation is not initiated by October 6, SPLP will deem the Project in good standing as it relates to your PWS, and will proceed as planned.**

The following attachments are included for your review:

- Site Map showing the location of the proposed pipeline Project ROW as it relates to the Public Water Supply Areas obtained from the Pennsylvania Department of Environmental Protection's eMapPA application.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



October 14, 2016

Dear Sir or Madam,

The enclosed letter is on behalf of Sunoco Pipeline, L.P. (SPLP), in regards to a previously delivered letter dated September 20, 2016 referencing the Chapter 105 Water Obstruction and Encroachments Permit for the Pennsylvania Pipeline Project (Project). In that letter the project description indicated the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. The Project also includes the installation of a 16-inch pipeline within the same previously described 306-mile, 50-foot-wide right-of-way (ROW). The intention of this letter is to clarify the two planned parallel pipelines. Routing and workspaces will not change from what was previously indicated.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird', with a stylized flourish at the end.

Joshua S. Baird

Tetra Tech, Inc.



October 14, 2016

**PA AMER WATER CO**  
**200 East Canal Street**  
**Hummelstown, PA 17036**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of two parallel pipelines within an approximately 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. A 20-inch diameter pipeline will be installed within the ROW from Houston to Marcus Hook (306 miles) and a second, 16-inch diameter pipeline, will also be installed in the same ROW. The second line is proposed to be installed from SPLP's Delmont Station, Westmoreland County, Pennsylvania to the Marcus Hook facility, paralleling the initial line for approximately 255 miles. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

As part of the PADEP permit requirements, we and Sunoco respectfully request your review of the Project's location as it relates to your Public Water Supply (PWS) source(s) and/or facility(s), and assess any potential impacts to the PWS. SPLP also requests the approximate location and/or name of the waterbody that is the water supply. If you require additional information and/or consultation pertaining to the Project, please contact Joshua Baird using the contact info listed below. **If further consultation is not initiated by October 18, SPLP will deem the Project in good standing as it relates to your PWS, and will proceed as planned.**

The following attachments are included for your review:

- Site Map showing the location of the proposed pipeline Project ROW as it relates to the Public Water Supply Areas obtained from the Pennsylvania Department of Environmental Protection's eMapPA application.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



**Global Indicator**

**Legend**

- Proposed Pipeline
- PA State Roads
- PA County
- PA Municipality
- Public Water Supply Area

**Sunoco PA Pipeline Project  
Public Water Supply Area**

0 9,000 Feet

Prepared For:

Prepared By:

Date:  
9/2016

Base Map;  
ESRI World Imagery, October 2011  
Coordinate System NAD 83  
Stateplane, PA South, Feet

## Laviolette, Carrie

---

**From:** trackingupdates@fedex.com  
**Sent:** Wednesday, September 21, 2016 11:48 AM  
**To:** Laviolette, Carrie  
**Subject:** FedEx Shipment 777275949238 Delivered

## Your package has been delivered

Tracking # [777275949238](#)

Ship date:  
**Tue, 9/20/2016**

**JOSH BAIRD**

TETRA TECH -  
HOME  
Buffalo, NY 14203  
US



Delivery date:  
**Wed, 9/21/2016**  
**11:45 am**

**Justin Brame**

PA Amer. Water  
Company  
200 East Canal Street  
HUMMELSTOWN, PA  
17036  
US



### Shipment Facts

Our records indicate that the following package has been delivered.

**Tracking number:** [777275949238](#)

**Status:** Delivered: 09/21/2016  
11:45 AM Signed for  
By: T.PATRICK

**Reference:** 112IC05958, 16

**Signed for by:** T.PATRICK

**Delivery location:** HUMMELSTOWN, PA

**Delivered to:** Shipping/Receiving

**Service type:** FedEx Standard  
Overnight

**Packaging type:** FedEx Envelope


**Number of pieces:** 1

**Weight:** 0.50 lb.

**Special handling/Services:** Direct Signature  
Required

Deliver Weekday

**Standard transit:** 9/21/2016 by 3:00 pm

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 10:47 AM CDT on 09/21/2016.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Standard transit is the date and time the package is scheduled to be delivered by, based on the selected service, destination and ship date. Limitations and exceptions may apply. Please see the FedEx Service Guide for terms and conditions of service, including the FedEx Money-Back Guarantee, or contact your FedEx Customer Support representative.

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**777473945121**

Ship date:  
**Fri 10/14/2016**



**Delivered**

Signed for by: T.PATRICK



**TETRA TECH - HOME**  
 JOSH BAIRD  
 301 ELLICOTT STREET  
 Buffalo, NY US 14203  
 716 849-9419

Actual delivery:  
**Mon 10/17/2016 1:00 pm**

PA Amer. Water Company  
 200 East Canal Street  
 HUMMELSTOWN, PA US 17036  
 716 849-9419

tracking number

United States - English

**Travel History**

Date/Time	Activity	Location
<b>10/17/2016 - Monday</b>		
1:00 pm	Delivered	HUMMELSTOWN, PA
7:56 am	On FedEx vehicle for delivery	MIDDLETOWN, PA
7:14 am	At local FedEx facility	MIDDLETOWN, PA
<b>10/15/2016 - Saturday</b>		
8:08 am	At local FedEx facility	MIDDLETOWN, PA
8:08 am	At local FedEx facility	MIDDLETOWN, PA
	Package not due for delivery	
6:50 am	At destination sort facility	MIDDLETOWN, PA
4:01 am	Departed FedEx location	MEMPHIS, TN
<b>10/14/2016 - Friday</b>		
11:21 pm	Arrived at FedEx location	MEMPHIS, TN
4:49 pm	Picked up	CHEEKTOWAGA, NY
1:39 pm	Shipment information sent to FedEx	

Use | Security and Privacy

**Shipment Facts**

<b>Tracking number</b>	777473945121	<b>Service</b>	FedEx Standard Overnight
<b>Weight</b>	0.5 lbs / 0.23 kgs	<b>Signature services</b>	Adult signature required
<b>Delivery attempts</b>	1	<b>Delivered To</b>	Receptionist/Front Desk
<b>Total pieces</b>	1	<b>Total shipment weight</b>	0.5 lbs / 0.23 kgs
<b>Terms</b>	Not Available	<b>Shipper reference</b>	112IC05958, 16
<b>Packaging</b>	FedEx Envelope	<b>Special handling section</b>	Deliver Weekday, Adult Signature Required
<b>Standard transit</b>	10/17/2016 by 3:00 pm		

Ask FedEx

---

**To:** Pathways Telephone: 610-459-9177

**Contact name:** Gene Laird

---

**From:** Josh Baird (Tt)

---

**Date:** September 20, 2016

---

**Subject:** Sunoco Pipeline L.P. – Pennsylvania Pipeline Project Public Water Supply Coordination

---

A letter was sent to Gene Laird at Pathways on September 20, 2016 requesting information regarding Public Water Supply (PWS) source(s) and/or facility(s) in location to the Pennsylvania Pipeline Project (Project) in order to assess any potential impacts to the PWS. An additional letter was sent with an updated Project description on October 14, 2016.

A brief description of the Project was included as well a Site Map related to the location of the PWS in question.

Delivery confirmation indicated the initial letter was received on September 21, 2016, and the subsequent letter on October 17, 2016.



September 20, 2016

**PATHWAYS**  
**519 Station Road**  
**Wawa, PA 19063**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

As part of the PADEP permit requirements, we and Sunoco respectfully request your review of the Project's location as it relates to your Public Water Supply (PWS) source(s) and/or facility(s), and assess any potential impacts to the PWS. SPLP also requests the approximate location and/or name of the waterbody that is the water supply. If you require additional information and/or consultation pertaining to the Project, please contact Joshua Baird using the contact info listed below. **If further consultation is not initiated by October 6, SPLP will deem the Project in good standing as it relates to your PWS, and will proceed as planned.**

The following attachments are included for your review:

- Site Map showing the location of the proposed pipeline Project ROW as it relates to the Public Water Supply Areas obtained from the Pennsylvania Department of Environmental Protection's eMapPA application.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



October 14, 2016

Dear Sir or Madam,

The enclosed letter is on behalf of Sunoco Pipeline, L.P. (SPLP), in regards to a previously delivered letter dated September 20, 2016 referencing the Chapter 105 Water Obstruction and Encroachments Permit for the Pennsylvania Pipeline Project (Project). In that letter the project description indicated the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. The Project also includes the installation of a 16-inch pipeline within the same previously described 306-mile, 50-foot-wide right-of-way (ROW). The intention of this letter is to clarify the two planned parallel pipelines. Routing and workspaces will not change from what was previously indicated.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'J. Baird', written over a light blue horizontal line.

Joshua S. Baird

Tetra Tech, Inc.



October 14, 2016

**PATHWAYS**  
**519 Station Road**  
**Wawa, PA 19063**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of two parallel pipelines within an approximately 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. A 20-inch diameter pipeline will be installed within the ROW from Houston to Marcus Hook (306 miles) and a second, 16-inch diameter pipeline, will also be installed in the same ROW. The second line is proposed to be installed from SPLP's Delmont Station, Westmoreland County, Pennsylvania to the Marcus Hook facility, paralleling the initial line for approximately 255 miles. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

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The following attachments are included for your review:

- Site Map showing the location of the proposed pipeline Project ROW as it relates to the Public Water Supply Areas obtained from the Pennsylvania Department of Environmental Protection's eMapPA application.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

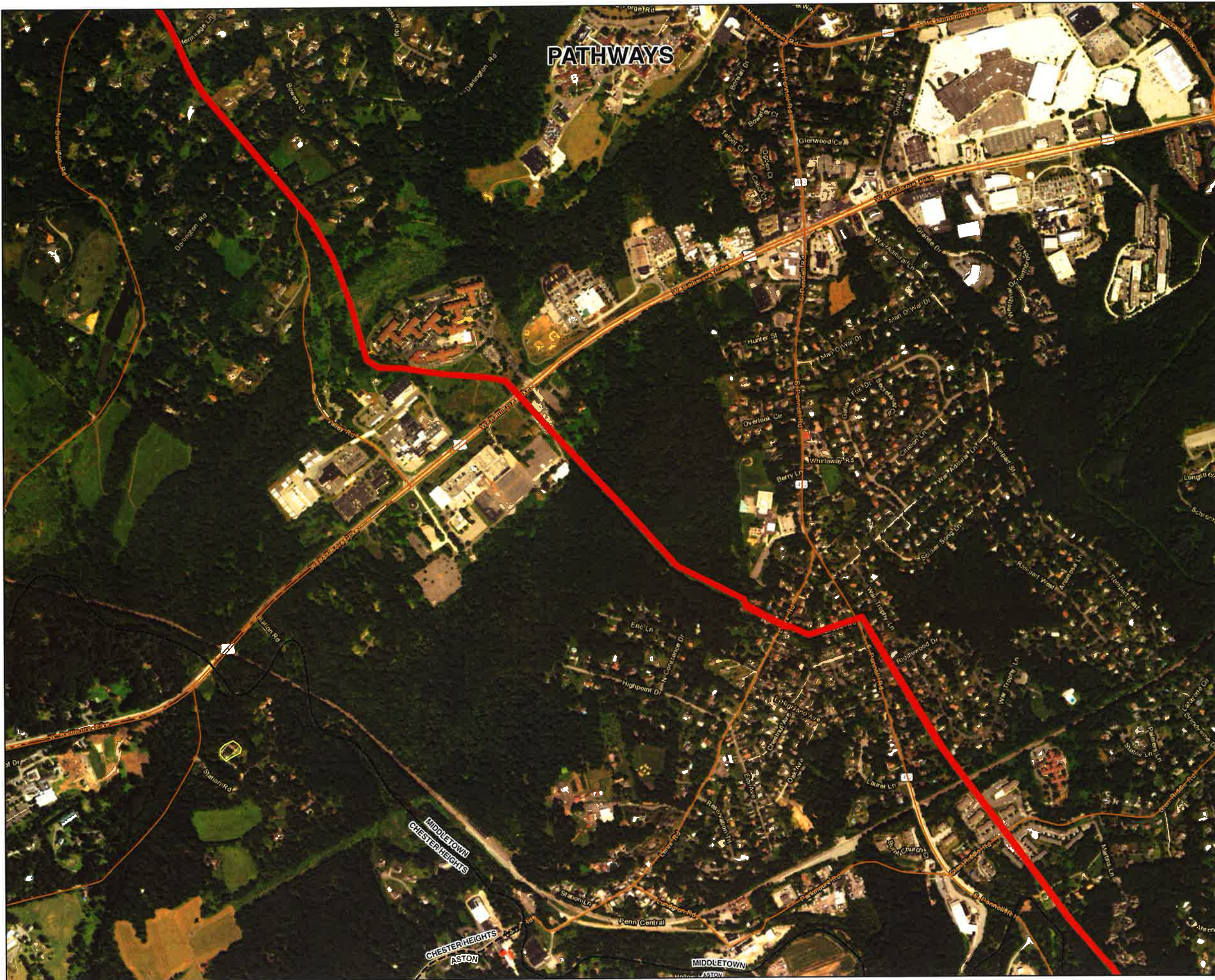
Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.






Enclosures: Site Map



**Global Indicator**

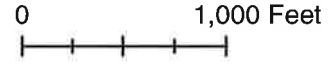


**Legend**

-  Proposed Pipeline
-  PA State Roads
-  PA County
-  PA Municipality
-  Public Water Supply Area

**Sunoco PA Pipeline Project  
Public Water Supply Area**

0                      1,000 Feet




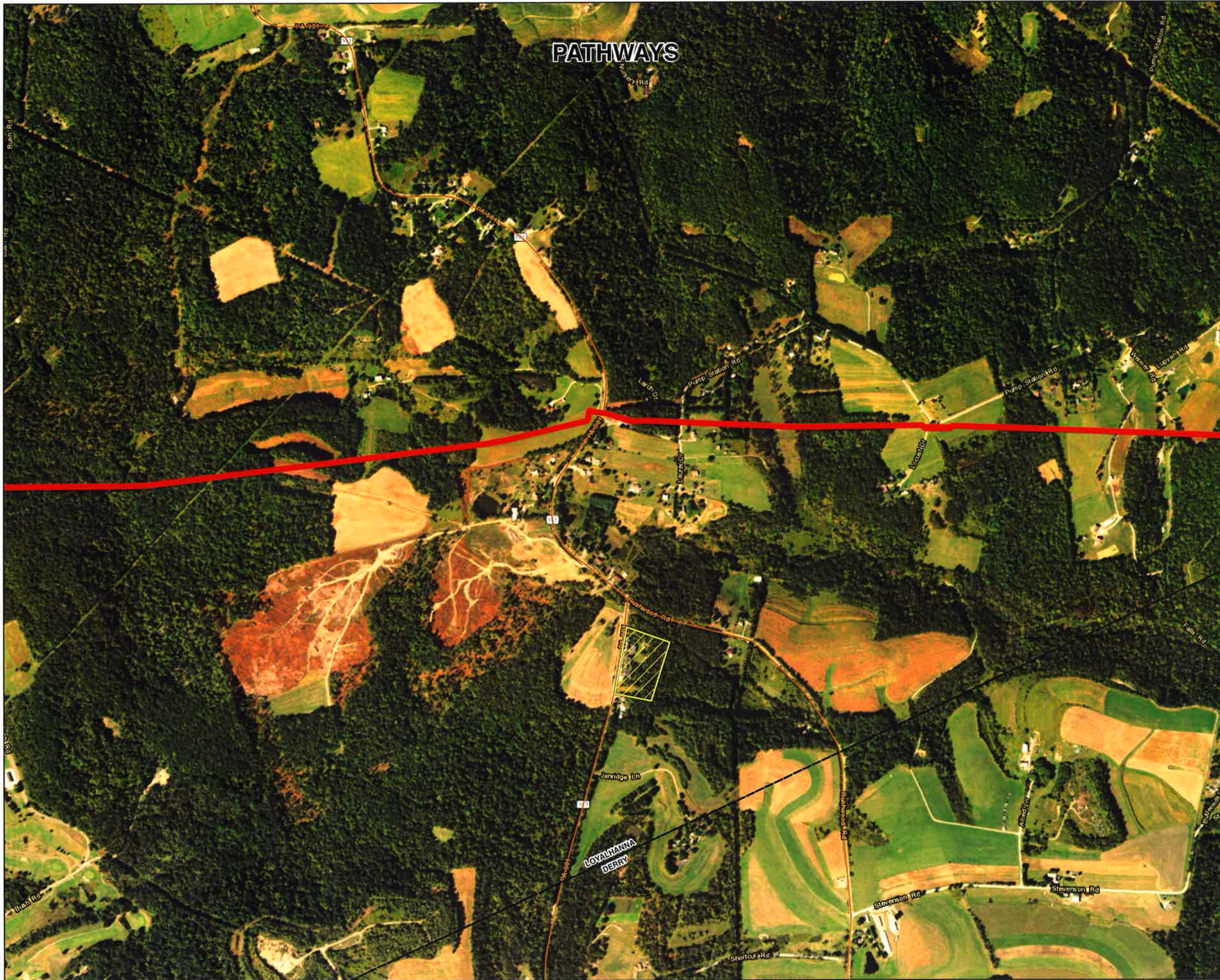
Prepared For:



Prepared By:	Date:
	9/2016

Base Map:  
ESRI World Imagery, October 2011  
Coordinate System NAD 83  
Stateplane, PA South, Feet










**Global Indicator**



**Legend**

-  Proposed Pipeline
-  PA State Roads
-  PA County
-  PA Municipality
-  Public Water Supply Area

**Sunoco PA Pipeline Project  
Public Water Supply Area**

0                      1,000 Feet


Prepared For:



**Sunoco  
Pipeline L.P.**

Prepared By:	Date:
 <b>TETRA TECH</b>	9/2016

Base Map;  
ESRI World Imagery, October 2011  
Coordinate System NAD 83  
Stateplane, PA South, Feet




## Laviolette, Carrie

---

**From:** trackingupdates@fedex.com  
**Sent:** Wednesday, September 21, 2016 1:05 PM  
**To:** Laviolette, Carrie  
**Subject:** FedEx Shipment 777276017473 Delivered

## Your package has been delivered

Tracking # 777276017473

Ship date: <b>Tue, 9/20/2016</b>	Delivery date: <b>Wed, 9/21/2016</b> <b>1:02 pm</b>	
<b>JOSH BAIRD</b> TETRA TECH - HOME Buffalo, NY 14203 US	 <b>Delivered</b>	<b>Gene Laird</b> Pathways 519 Station Road WAWA, PA 19063 US

### Shipment Facts


Our records indicate that the following package has been delivered.

<b>Tracking number:</b>	<a href="#">777276017473</a>
<b>Status:</b>	Delivered: 09/21/2016 1:02 PM Signed for By: K.BONES
<b>Reference:</b>	112IC05958, 16
<b>Signed for by:</b>	K.BONES
<b>Delivery location:</b>	WAWA, PA
<b>Delivered to:</b>	Receptionist/Front Desk
<b>Service type:</b>	FedEx Standard Overnight
<b>Packaging type:</b>	FedEx Envelope
<b>Number of pieces:</b>	1
<b>Weight:</b>	0.50 lb.
<b>Special handling/Services:</b>	Direct Signature Required  Deliver Weekday



**Standard transit:**

9/21/2016 by 3:00 pm

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 12:05 PM CDT on 09/21/2016.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Standard transit is the date and time the package is scheduled to be delivered by, based on the selected service, destination and ship date. Limitations and exceptions may apply. Please see the FedEx Service Guide for terms and conditions of service, including the FedEx Money-Back Guarantee, or contact your FedEx Customer Support representative.

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777474019137

Ship date:  
Fri 10/14/2016



Delivered

Signed for by: S.RICHARDS



**TETRA TECH - HOME**  
 JOSH BAIRD  
 301 ELLICOTT STREET  
 Buffalo, NY US 14203  
 716 849-9419

Actual delivery:  
Mon 10/17/2016 11:09 am

Pathways  
 519 Station Road  
 WAWA, PA US 19063  
 716 849-9419

tracking number

United States - English

Travel History

Date/Time	Activity	Location
<b>10/17/2016 - Monday</b>		
11:09 am	Delivered	WAWA, PA
7:01 am	On FedEx vehicle for delivery	WEST CHESTER, PA
5:52 am	At local FedEx facility	WEST CHESTER, PA
<b>10/15/2016 - Saturday</b>		
9:04 am	At local FedEx facility	WEST CHESTER, PA
9:02 am	At local FedEx facility	WEST CHESTER, PA
	Package not due for delivery	
8:55 am	At local FedEx facility	WEST CHESTER, PA
6:37 am	At destination sort facility	PHILADELPHIA, PA
3:40 am	Departed FedEx location	MEMPHIS, TN
<b>10/14/2016 - Friday</b>		
11:21 pm	Arrived at FedEx location	MEMPHIS, TN
4:49 pm	Picked up	CHEEKTOWAGA, NY
1:40 pm	Shipment information sent to FedEx	

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Shipment Facts

Tracking number	777474019137	Service	FedEx Standard Overnight
Weight	0.5 lbs / 0.23 kgs	Signature services	Adult signature required
Delivery attempts	1	Delivered To	Receptionist/Front Desk
Total pieces	1	Total shipment weight	0.5 lbs / 0.23 kgs
Terms	Not Available	Shipper reference	112IC05958, 16
Packaging	FedEx Envelope	Special handling section	Deliver Weekday, Adult Signature Required
Standard transit	10/17/2016 by 3:00 pm		

Ask FedEx

---

**To:** Pine Garden Apartments Telephone: 724-875-0882

**Contact name:** Paul Miller

---

**From:** Josh Baird (Tt)

---

**Date:** September 20, 2016

---

**Subject:** Sunoco Pipeline L.P. – Pennsylvania Pipeline Project Public Water Supply Coordination

---

A letter was sent to Paul Miller at Pine Garden Apartments on September 20, 2016 requesting information regarding Public Water Supply (PWS) source(s) and/or facility(s) in location to the Pennsylvania Pipeline Project (Project) in order to assess any potential impacts to the PWS. An additional letter was sent with an updated Project description on October 14, 2016.

A brief description of the Project was included as well a Site Map related to the location of the PWS in question.

Delivery confirmation indicated the initial letter was received on September 21, 2016, and the subsequent letter on October 17, 2016.



September 20, 2016

**PINE GARDEN APARTMENTS**  
**11 Glenview Drive**  
**Greensburg, PA 15601**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

As part of the PADEP permit requirements, we and Sunoco respectfully request your review of the Project's location as it relates to your Public Water Supply (PWS) source(s) and/or facility(s), and assess any potential impacts to the PWS. SPLP also requests the approximate location and/or name of the waterbody that is the water supply. If you require additional information and/or consultation pertaining to the Project, please contact Joshua Baird using the contact info listed below. **If further consultation is not initiated by October 6, SPLP will deem the Project in good standing as it relates to your PWS, and will proceed as planned.**

The following attachments are included for your review:

- Site Map showing the location of the proposed pipeline Project ROW as it relates to the Public Water Supply Areas obtained from the Pennsylvania Department of Environmental Protection's eMapPA application.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



October 14, 2016

Dear Sir or Madam,

The enclosed letter is on behalf of Sunoco Pipeline, L.P. (SPLP), in regards to a previously delivered letter dated September 20, 2016 referencing the Chapter 105 Water Obstruction and Encroachments Permit for the Pennsylvania Pipeline Project (Project). In that letter the project description indicated the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. The Project also includes the installation of a 16-inch pipeline within the same previously described 306-mile, 50-foot-wide right-of-way (ROW). The intention of this letter is to clarify the two planned parallel pipelines. Routing and workspaces will not change from what was previously indicated.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird', with a stylized flourish at the end.

Joshua S. Baird

Tetra Tech, Inc.



October 14, 2016

**PINE GARDEN APARTMENTS**  
11 Glenview Drive  
Greensburg, PA 15601

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project  
Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of two parallel pipelines within an approximately 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. A 20-inch diameter pipeline will be installed within the ROW from Houston to Marcus Hook (306 miles) and a second, 16-inch diameter pipeline, will also be installed in the same ROW. The second line is proposed to be installed from SPLP's Delmont Station, Westmoreland County, Pennsylvania to the Marcus Hook facility, paralleling the initial line for approximately 255 miles. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

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The following attachments are included for your review:

- Site Map showing the location of the proposed pipeline Project ROW as it relates to the Public Water Supply Areas obtained from the Pennsylvania Department of Environmental Protection's eMapPA application.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map

# PINE GARDEN APT



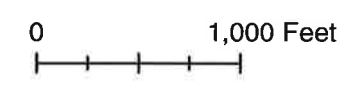
## Global Indicator



## Legend

- Proposed Pipeline
- PA State Roads
- PA County
- PA Municipality
- Public Water Supply Area

### Sunoco PA Pipeline Project Public Water Supply Area



Prepared For:



Prepared By:



Date:  
9/2016

Base Map;  
ESRI World Imagery, October 2011  
Coordinate System NAD 83  
Stateplane, PA South, Feet



## Laviolette, Carrie

---

**From:** trackingupdates@fedex.com  
**Sent:** Wednesday, September 21, 2016 12:01 PM  
**To:** Laviolette, Carrie  
**Subject:** FedEx Shipment 777276027382 Delivered

## Your package has been delivered

Tracking # 777276027382

Ship date:  
**Tue, 9/20/2016**

**JOSH BAIRD**  
TETRA TECH -  
HOME  
Buffalo, NY 14203  
US



Delivery date:  
**Wed, 9/21/2016**  
**11:59 am**

**Paul Miller**  
Pine Garden  
Apartments  
11 Glenview Drive  
GREENSBURG, PA  
15601  
US



### Shipment Facts


Our records indicate that the following package has been delivered.

<b>Tracking number:</b>	<a href="#">777276027382</a>
<b>Status:</b>	Delivered: 09/21/2016 11:59 AM Signed for By: P.MILLER
<b>Reference:</b>	112IC05958, 16
<b>Signed for by:</b>	P.MILLER
<b>Delivery location:</b>	GREENSBURG, PA
<b>Delivered to:</b>	Residence
<b>Service type:</b>	FedEx Standard Overnight
<b>Packaging type:</b>	FedEx Envelope
<b>Number of pieces:</b>	1
<b>Weight:</b>	0.50 lb.
<b>Special handling/Services:</b>	Direct Signature Required

Deliver Weekday

Residential Delivery

**Standard transit:** 9/21/2016 by 8:00 pm

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 11:00 AM CDT on 09/21/2016.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Standard transit is the date and time the package is scheduled to be delivered by, based on the selected service, destination and ship date. Limitations and exceptions may apply. Please see the FedEx Service Guide for terms and conditions of service, including the FedEx Money-Back Guarantee, or contact your FedEx Customer Support representative.

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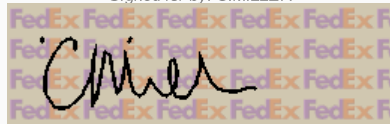
**777474036221**

Ship date:  
**Fri 10/14/2016**



**Delivered**

Signed for by: C.MILLER



**TETRA TECH - HOME**  
 JOSH BAIRD  
 301 ELLICOTT STREET  
 Buffalo, NY US 14203  
 716 849-9419

Actual delivery:  
**Mon 10/17/2016 3:05 pm**

Pine Garden Apartments  
 11 Glenview Drive  
 GREENSBURG, PA US 15601  
 716 849-9419

tracking number

United States - English

**Travel History**

Date/Time	Activity	Location
<b>10/17/2016 - Monday</b>		
3:05 pm	Delivered	GREENSBURG, PA
7:21 am	On FedEx vehicle for delivery	HUNKER, PA
6:57 am	At local FedEx facility	HUNKER, PA
<b>10/15/2016 - Saturday</b>		
9:35 am	At local FedEx facility	HUNKER, PA
	Package not due for delivery	
9:35 am	At local FedEx facility	HUNKER, PA
8:28 am	At local FedEx facility	HUNKER, PA
8:28 am	At local FedEx facility	HUNKER, PA
	Package not due for delivery	
6:23 am	At destination sort facility	MOON TOWNSHIP, PA
4:27 am	In transit	MEMPHIS, TN
3:56 am	Departed FedEx location	MEMPHIS, TN
<b>10/14/2016 - Friday</b>		
11:21 pm	Arrived at FedEx location	MEMPHIS, TN
4:49 pm	Picked up	CHEEKTOWAGA, NY
1:39 pm	Shipment information sent to FedEx	

Use | Security and Privacy

**Shipment Facts**

<b>Tracking number</b>	777474036221	<b>Service</b>	FedEx Standard Overnight
<b>Weight</b>	0.5 lbs / 0.23 kgs	<b>Signature services</b>	Adult signature required
<b>Delivery attempts</b>	1	<b>Delivered To</b>	Residence
<b>Total pieces</b>	1	<b>Total shipment weight</b>	0.5 lbs / 0.23 kgs
<b>Terms</b>	Not Available	<b>Shipper reference</b>	112IC05958, 16
<b>Packaging</b>	FedEx Envelope	<b>Special handling section</b>	Deliver Weekday, Residential Delivery, Adult Signature Required
<b>Standard transit</b>	10/17/2016 by 8:00 pm		

Ask FedEx

---

**To:** Quentin Water Co Telephone: 717-274-5514

**Contact name:** William White

---

**From:** Josh Baird (Tt)

---

**Date:** September 20, 2016

---

**Subject:** Sunoco Pipeline L.P. – Pennsylvania Pipeline Project Public Water Supply Coordination

---

A letter was sent to William White at Quentin Water Co on September 20, 2016 requesting information regarding Public Water Supply (PWS) source(s) and/or facility(s) in location to the Pennsylvania Pipeline Project (Project) in order to assess any potential impacts to the PWS. An additional letter was sent with an updated Project description on October 14, 2016.

A brief description of the Project was included as well a Site Map related to the location of the PWS in question.

Delivery confirmation indicated the initial letter was received on September 22, 2016, and the subsequent letter on October 21, 2016.



September 20, 2016

**QUENTIN WATER CO**  
**100 South Zinns Mill Road**  
**Lebanon, PA 17042**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

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Thank you for your timely response to this matter.

Sincerely,

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Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



October 14, 2016

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Joshua S. Baird

Tetra Tech, Inc.



October 14, 2016

**QUENTIN WATER CO**  
**100 South Zinns Mill Road**  
**Lebanon, PA 17042**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

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Thank you for your timely response to this matter.

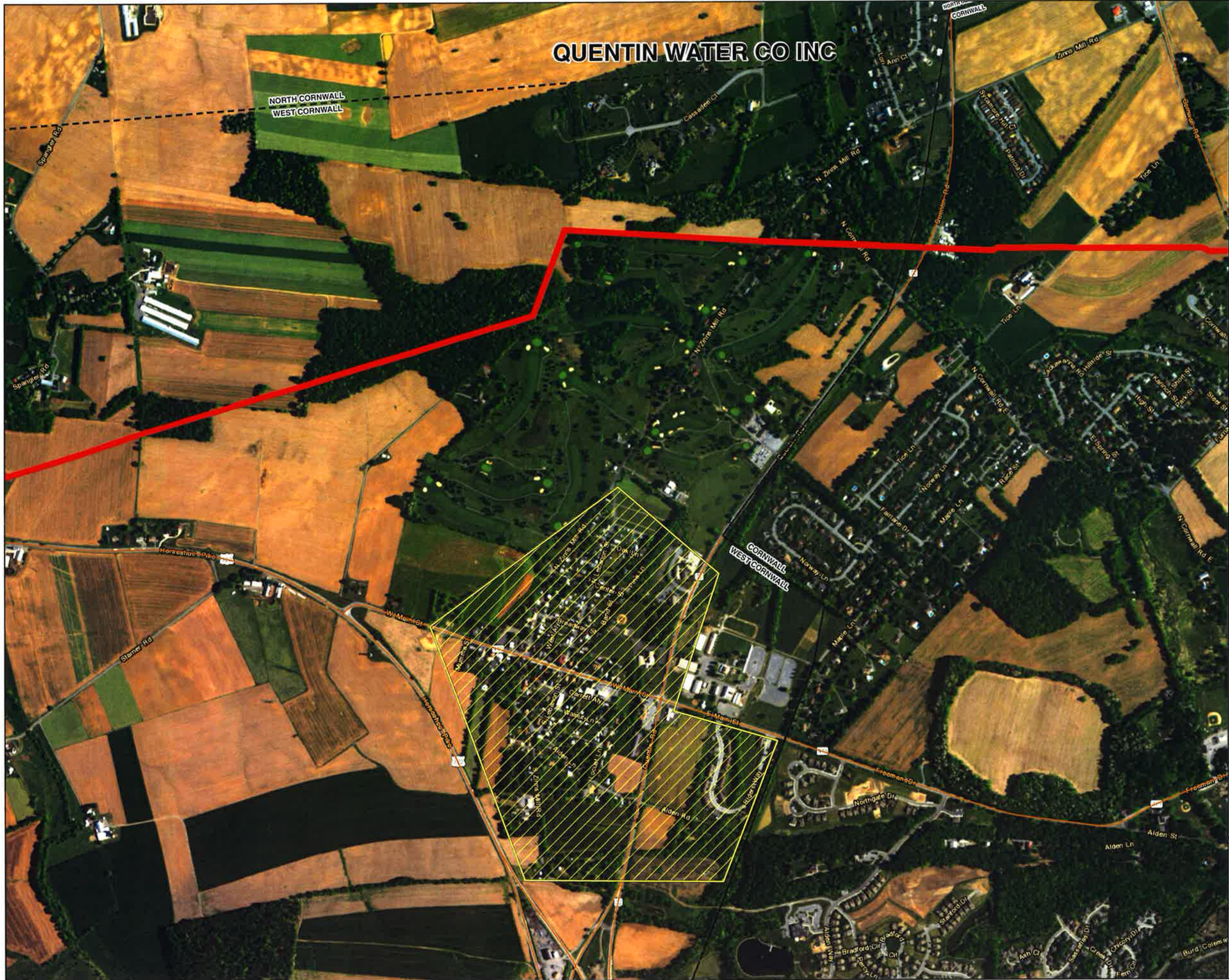
Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map






# QUENTIN WATER CO INC



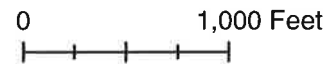
## Global Indicator



## Legend

-  Proposed Pipeline
-  PA State Roads
-  PA County
-  PA Municipality
-  Public Water Supply Area

## Sunoco PA Pipeline Project Public Water Supply Area



Prepared For:



Prepared By:



Date:

9/2016

Base Map;  
ESRI World Imagery, October 2011  
Coordinate System NAD 83  
Stateplane, PA South, Feet



## Laviolette, Carrie

---

**From:** trackingupdates@fedex.com  
**Sent:** Thursday, September 22, 2016 12:22 PM  
**To:** Laviolette, Carrie  
**Subject:** FedEx Shipment 777276051170 Delivered

## Your package has been delivered

Tracking # 777276051170

Ship date:  
**Tue, 9/20/2016**

**JOSH BAIRD**

TETRA TECH -  
HOME  
Buffalo, NY 14203  
US



Delivered

Delivery date:  
**Thu, 9/22/2016**  
**12:20 pm**

**William White**

Quentin Water  
Company  
100 South Zinns Mill  
Road  
LEBANON, PA 17042  
US



### Shipment Facts

Our records indicate that the following package has been delivered.

**Tracking number:** [777276051170](#)

**Status:** Delivered: 09/22/2016  
12:20 PM Signed for  
By: P.WHITE

**Reference:** 112IC05958, 16

**Signed for by:** P.WHITE

**Delivery location:** LEBANON, PA

**Delivered to:** Receptionist/Front  
Desk

**Service type:** FedEx Standard  
Overnight

**Packaging type:** Your Packaging

**Number of pieces:** 1


**Weight:** 0.50 lb.

**Special handling/Services:** Direct Signature  
Required

Indirect Signature  
Required

Deliver Weekday

**Standard transit:** 9/21/2016 by 3:00 pm

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 11:22 AM CDT on 09/22/2016.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Standard transit is the date and time the package is scheduled to be delivered by, based on the selected service, destination and ship date. Limitations and exceptions may apply. Please see the FedEx Service Guide for terms and conditions of service, including the FedEx Money-Back Guarantee, or contact your FedEx Customer Support representative.

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**777474058204**

Ship date:  
**Fri 10/14/2016**



**Delivered**

*Signed for by: D. BRADLEY*



**TETRA TECH - HOME**  
 JOSH BAIRD  
 301 ELLICOTT STREET  
 Buffalo, NY US 14203  
 716 849-9419

Actual delivery:  
**Fri 10/21/2016 12:14 pm**

Quentin Water Company  
 100 South Zinns Mill Road  
 LEBANON, PA US 17042  
 716 849-9419

tracking number

United States - English

**Travel History**


Date/Time	Activity	Location
<b>10/21/2016 - Friday</b>		
12:14 pm	Delivered	MIDDLETOWN, PA
<b>10/20/2016 - Thursday</b>		
3:41 pm	Held at FedEx location for recipient pickup Package available for pickup at FedEx Facility: 200 FULLING MILL ROAD	MIDDLETOWN, PA
2:08 pm	Delivery option requested Hold at FedEx location request received - Check back later for shipment status	
<b>10/19/2016 - Wednesday</b>		
6:42 pm	At local FedEx facility	MIDDLETOWN, PA
12:47 pm	Delivery exception Customer not available or business closed	MIDDLETOWN, PA
7:14 am	At local FedEx facility	MIDDLETOWN, PA
<b>10/18/2016 - Tuesday</b>		
6:36 pm	At local FedEx facility	MIDDLETOWN, PA
12:46 pm	Delivery exception Customer not available or business closed	MIDDLETOWN, PA
7:00 am	At local FedEx facility	MIDDLETOWN, PA
<b>10/17/2016 - Monday</b>		
2:05 pm	At local FedEx facility	MIDDLETOWN, PA
12:11 pm	Delivery exception Adult recipient unavailable (age and required identification vary by country)	MIDDLETOWN, PA
7:13 am	At local FedEx facility	MIDDLETOWN, PA
<b>10/15/2016 - Saturday</b>		
8:07 am	At local FedEx facility Package not due for delivery	MIDDLETOWN, PA
8:07 am	At local FedEx facility	MIDDLETOWN, PA
6:50 am	At destination sort facility	MIDDLETOWN, PA
4:01 am	Departed FedEx location	MEMPHIS, TN
<b>10/14/2016 - Friday</b>		
11:21 pm	Arrived at FedEx location	MEMPHIS, TN
4:49 pm	Picked up	CHEEKTOWAGA, NY
1:48 pm	Shipment information sent to FedEx	

Use | Security and Privacy

**Shipment Facts**

<b>Tracking number</b>	777474058204	<b>Service</b>	FedEx Standard Overnight
<b>Door tag number</b>	DT104394707004	<b>Weight</b>	0.5 lbs / 0.23 kgs
<b>Signature services</b>	Adult signature required	<b>Delivery attempts</b>	4
<b>Delivered To</b>	FedEx Location	<b>Total pieces</b>	1
<b>Total shipment</b>	0.5 lbs / 0.23 kgs	<b>Terms</b>	Not Available

Ask FedEx

<b>weight</b>	0.1507 lbs	<b>Packaging</b>	FedEx Envelope
<b>Shipper reference</b>	112IC05958, 16	<b>Customer exception request number (CER)</b>	1020640472
<b>Special handling section</b>	Deliver Weekday, Adult Signature Required		
<b>Standard transit</b>	 10/17/2016 by 3:00 pm		

---

**To:** Shillington Muni Auth Telephone: 610-777-1338

**Contact name:** Mike Mountz

---

**From:** Josh Baird (Tt)

---

**Date:** September 20, 2016

---

**Subject:** Sunoco Pipeline L.P. – Pennsylvania Pipeline Project Public Water Supply Coordination

---

A letter was sent to Mike Mountz at Shillington Muni Auth on September 20, 2016 requesting information regarding Public Water Supply (PWS) source(s) and/or facility(s) in location to the Pennsylvania Pipeline Project (Project) in order to assess any potential impacts to the PWS. An additional letter was sent with an updated Project description on October 14, 2016.

A brief description of the Project was included as well a Site Map related to the location of the PWS in question.

Delivery confirmation indicated the initial letter was received on September 21, 2016, and the subsequent letter on October 17, 2016.



September 20, 2016

**SHILLINGTON MUNI AUTH**  
**Po Box 247/ 2 East Lancaster Ave.**  
**Shillington, PA 19607**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

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Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



October 14, 2016

Dear Sir or Madam,

The enclosed letter is on behalf of Sunoco Pipeline, L.P. (SPLP), in regards to a previously delivered letter dated September 20, 2016 referencing the Chapter 105 Water Obstruction and Encroachments Permit for the Pennsylvania Pipeline Project (Project). In that letter the project description indicated the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. The Project also includes the installation of a 16-inch pipeline within the same previously described 306-mile, 50-foot-wide right-of-way (ROW). The intention of this letter is to clarify the two planned parallel pipelines. Routing and workspaces will not change from what was previously indicated.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'J. Baird', written in a cursive style.

Joshua S. Baird

Tetra Tech, Inc.



October 14, 2016

**SHILLINGTON MUNI AUTH**  
**Po Box 247/ 2 East Lancaster Ave.**  
**Shillington, PA 19607**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of two parallel pipelines within an approximately 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. A 20-inch diameter pipeline will be installed within the ROW from Houston to Marcus Hook (306 miles) and a second, 16-inch diameter pipeline, will also be installed in the same ROW. The second line is proposed to be installed from SPLP's Delmont Station, Westmoreland County, Pennsylvania to the Marcus Hook facility, paralleling the initial line for approximately 255 miles. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

As part of the PADEP permit requirements, we and Sunoco respectfully request your review of the Project's location as it relates to your Public Water Supply (PWS) source(s) and/or facility(s), and assess any potential impacts to the PWS. SPLP also requests the approximate location and/or name of the waterbody that is the water supply. If you require additional information and/or consultation pertaining to the Project, please contact Joshua Baird using the contact info listed below. **If further consultation is not initiated by October 18, SPLP will deem the Project in good standing as it relates to your PWS, and will proceed as planned.**

The following attachments are included for your review:

- Site Map showing the location of the proposed pipeline Project ROW as it relates to the Public Water Supply Areas obtained from the Pennsylvania Department of Environmental Protection's eMapPA application.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

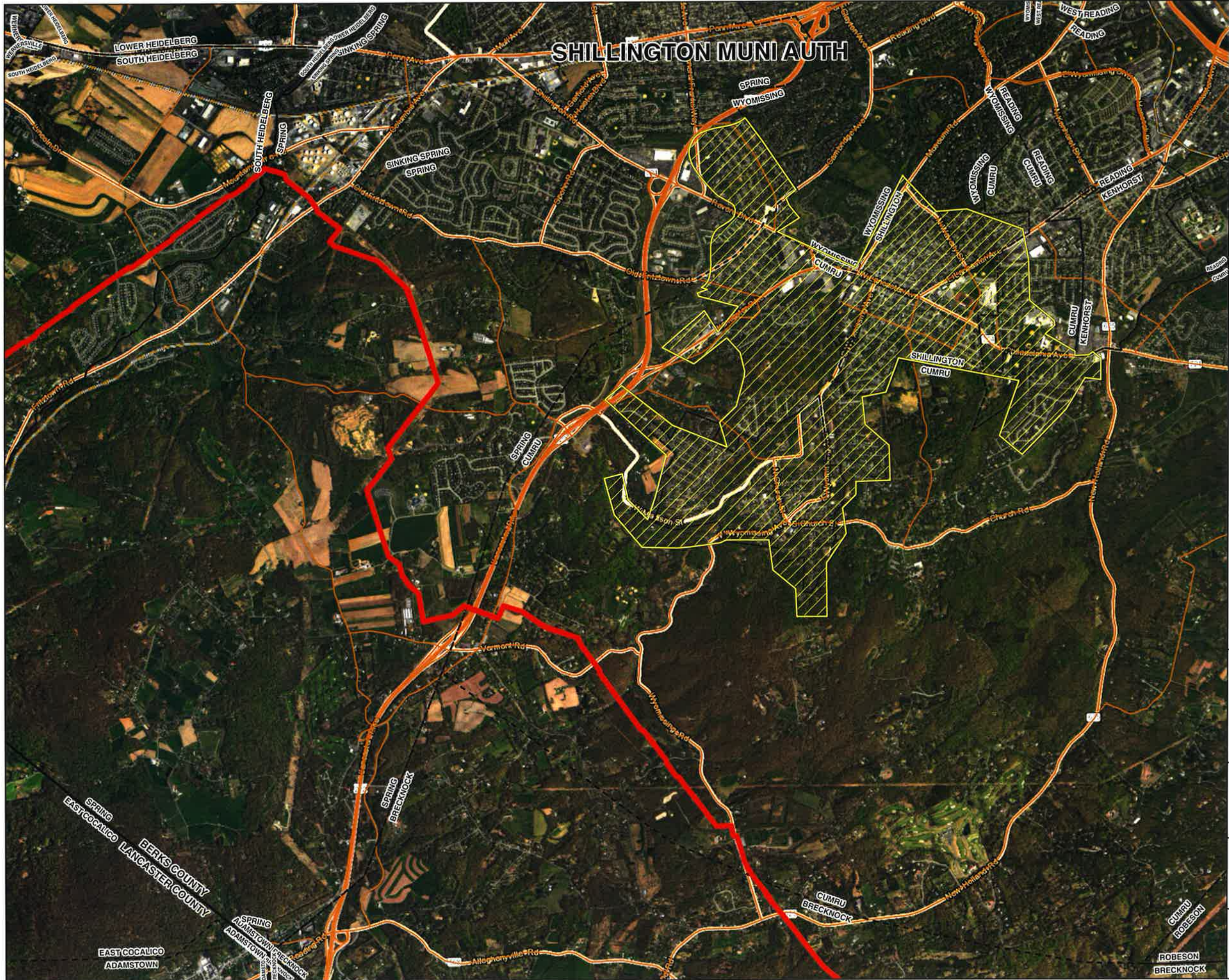
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Joshua S. Baird  
Tetra Tech, Inc.






Enclosures: Site Map



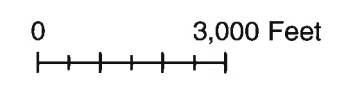
**Global Indicator**



**Legend**

-  Proposed Pipeline
-  PA State Roads
-  PA County
-  PA Municipality
-  Public Water Supply Area

**Sunoco PA Pipeline Project  
Public Water Supply Area**




Prepared For:  
 **Sunoco Pipeline L.P.**

Prepared By:  
 **TETRA TECH**

Date:  
9/2016

Base Map;  
 ESRI World Imagery, October 2011  
 Coordinate System NAD 83  
 Stateplane, PA South, Feet



## Laviolette, Carrie

---

**From:** trackingupdates@fedex.com  
**Sent:** Monday, October 17, 2016 1:09 PM  
**To:** Laviolette, Carrie  
**Subject:** FedEx Shipment 777474076188 Delivered

## Your package has been delivered

Tracking # 777474076188

Ship date:  
**Fri, 10/14/2016**

**JOSH BAIRD**  
TETRA TECH -  
HOME  
Buffalo, NY 14203  
US



Delivered

Delivery date:  
**Mon,  
10/17/2016 1:06  
pm**

**Shillington Muni.  
Authority**  
2 East Lancaster  
Avenue  
SHILLINGTON, PA  
19607  
US



### Shipment Facts


Our records indicate that the following package has been delivered.

<b>Tracking number:</b>	<a href="#">777474076188</a>
<b>Status:</b>	Delivered: 10/17/2016 1:06 PM Signed for By: L.WAKELY
<b>Reference:</b>	112IC05958, 16
<b>Signed for by:</b>	L.WAKELY
<b>Delivery location:</b>	SHILLINGTON, PA
<b>Delivered to:</b>	Receptionist/Front Desk
<b>Service type:</b>	FedEx Standard Overnight
<b>Packaging type:</b>	FedEx Envelope
<b>Number of pieces:</b>	1
<b>Weight:</b>	0.50 lb.

<b>Special handling/Services:</b>	Adult Signature Required
-----------------------------------	--------------------------

Deliver Weekday

<b>Standard transit:</b>	10/17/2016 by 3:00 pm
--------------------------	-----------------------

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 12:09 PM CDT on 10/17/2016.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Standard transit is the date and time the package is scheduled to be delivered by, based on the selected service, destination and ship date. Limitations and exceptions may apply. Please see the FedEx Service Guide for terms and conditions of service, including the FedEx Money-Back Guarantee, or contact your FedEx Customer Support representative.

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Thank you for your business.

---

**To:** Steelton Boro Water Auth Telephone: 717-939-0425

**Contact name:** Doug Brown

---

**From:** Josh Baird (Tt)

---

**Date:** September 20, 2016

---

**Subject:** Sunoco Pipeline L.P. – Pennsylvania Pipeline Project Public Water Supply Coordination

---

A letter was sent to Doug Brown at Steelton Boro Water Auth on September 20, 2016 requesting information regarding Public Water Supply (PWS) source(s) and/or facility(s) in location to the Pennsylvania Pipeline Project (Project) in order to assess any potential impacts to the PWS. An additional letter was sent with an updated Project description on October 14, 2016.

A brief description of the Project was included as well a Site Map related to the location of the PWS in question.

Delivery confirmation indicated the initial letter was received on September 21, 2016, and the subsequent letter on October 17, 2016.



September 20, 2016

**STEELTON BORO WATER AUTH**  
**123 N. Front Street**  
**Steelton, PA 17113**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

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Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



October 14, 2016

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Joshua S. Baird

Tetra Tech, Inc.



October 14, 2016

**STEELTON BORO WATER AUTH**  
**123 N. Front Street**  
**Steelton, PA 17113**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

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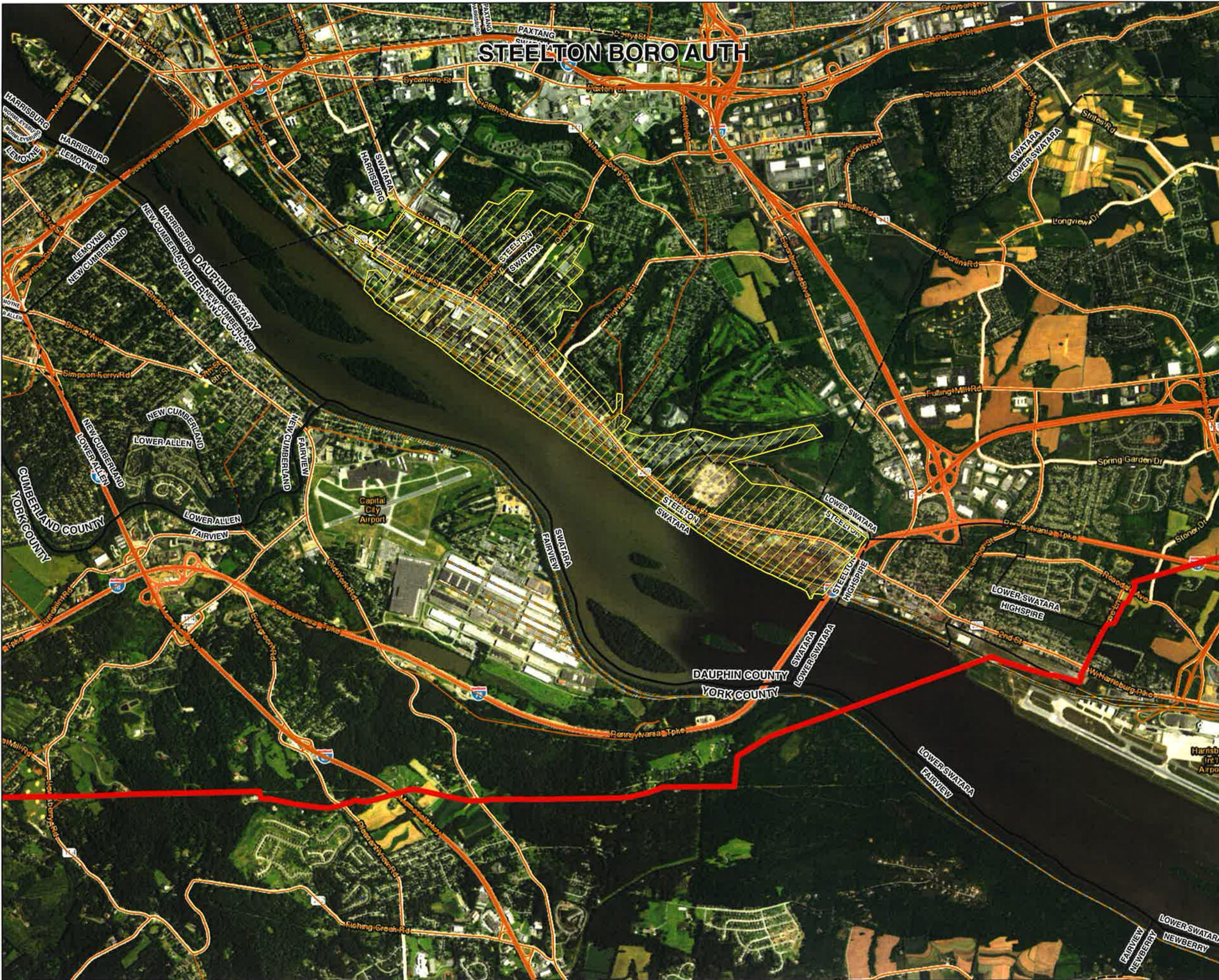
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Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



**Global Indicator**

**Legend**

- Proposed Pipeline
- PA State Roads
- PA County
- PA Municipality
- Public Water Supply Area

**Sunoco PA Pipeline Project  
Public Water Supply Area**

0 3,000 Feet

Prepared For:

Prepared By:

Date:  
9/2016

Base Map;  
ESRI World Imagery, October 2011  
Coordinate System NAD 83  
Stateplane, PA South, Feet

## Laviolette, Carrie

---

**From:** trackingupdates@fedex.com  
**Sent:** Wednesday, September 21, 2016 10:59 AM  
**To:** Laviolette, Carrie  
**Subject:** FedEx Shipment 777276063200 Delivered

## Your package has been delivered

Tracking # 777276063200

Ship date:  
**Tue, 9/20/2016**

**JOSH BAIRD**  
TETRA TECH -  
HOME  
Buffalo, NY 14203  
US



Delivery date:  
**Wed, 9/21/2016**  
**10:56 am**

**Doug Brown**  
Steelton Boro. Water  
Authority  
123 N. Front Street  
STEELTON, PA  
17113  
US




### Shipment Facts

Our records indicate that the following package has been delivered.

<b>Tracking number:</b>	<a href="#">777276063200</a>
<b>Status:</b>	Delivered: 09/21/2016 10:56 AM Signed for By: M.POWELL
<b>Reference:</b>	112IC05958, 16
<b>Signed for by:</b>	M.POWELL
<b>Delivery location:</b>	STEELTON, PA
<b>Delivered to:</b>	Receptionist/Front Desk
<b>Service type:</b>	FedEx Standard Overnight
<b>Packaging type:</b>	FedEx Envelope
<b>Number of pieces:</b>	1
<b>Weight:</b>	0.50 lb.
<b>Special handling/Services:</b>	Direct Signature Required

Deliver Weekday

**Standard transit:** 9/21/2016 by 3:00 pm

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 9:59 AM CDT on 09/21/2016.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Standard transit is the date and time the package is scheduled to be delivered by, based on the selected service, destination and ship date. Limitations and exceptions may apply. Please see the FedEx Service Guide for terms and conditions of service, including the FedEx Money-Back Guarantee, or contact your FedEx Customer Support representative.

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 Service Guide  
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**777474099811**

Ship date:  
**Fri 10/14/2016**



**Delivered**

Signed for by: M. POWELL



**TETRA TECH - HOME**  
 JOSH BAIRD  
 301 ELLICOTT STREET  
 Buffalo, NY US 14203  
 716 849-9419

Actual delivery:  
**Mon 10/17/2016 11:27 am**

Steelton Boro. Water Authority  
 123 N. Front Street  
 STEELTON, PA US 17113  
 716 849-9419

tracking number

United States - English

**Travel History**

Date/Time	Activity	Location
<b>10/17/2016 - Monday</b>		
11:27 am	Delivered	STEELTON, PA
7:49 am	On FedEx vehicle for delivery	MIDDLETOWN, PA
7:13 am	At local FedEx facility	MIDDLETOWN, PA
<b>10/15/2016 - Saturday</b>		
8:07 am	At local FedEx facility	MIDDLETOWN, PA
8:07 am	At local FedEx facility	MIDDLETOWN, PA
	Package not due for delivery	
6:50 am	At destination sort facility	MIDDLETOWN, PA
4:01 am	Departed FedEx location	MEMPHIS, TN
<b>10/14/2016 - Friday</b>		
11:21 pm	Arrived at FedEx location	MEMPHIS, TN
4:49 pm	Picked up	CHEEKTOWAGA, NY
1:48 pm	Shipment information sent to FedEx	

Use | Security and Privacy

**Shipment Facts**

<b>Tracking number</b>	777474099811	<b>Service</b>	FedEx Standard Overnight
<b>Weight</b>	0.5 lbs / 0.23 kgs	<b>Signature services</b>	Adult signature required
<b>Delivery attempts</b>	1	<b>Delivered To</b>	Receptionist/Front Desk
<b>Total pieces</b>	1	<b>Total shipment weight</b>	0.5 lbs / 0.23 kgs
<b>Terms</b>	Not Available	<b>Shipper reference</b>	112IC05958, 16
<b>Packaging</b>	FedEx Envelope	<b>Special handling section</b>	Deliver Weekday, Adult Signature Required
<b>Standard transit</b>	10/17/2016 by 3:00 pm		

Ask FedEx

---

**To:** Suez Water Telephone: 717-561-1103

**Contact name:** Chad Bingaman

---

**From:** Josh Baird (Tt)

---

**Date:** September 20, 2016

---

**Subject:** Sunoco Pipeline L.P. – Pennsylvania Pipeline Project Public Water Supply Coordination

---

A letter was sent to Chad Bingaman at Suez Water on September 20, 2016 requesting information regarding Public Water Supply (PWS) source(s) and/or facility(s) in location to the Pennsylvania Pipeline Project (Project) in order to assess any potential impacts to the PWS. An additional letter was sent with an updated Project description on October 14, 2016.

A brief description of the Project was included as well a Site Map related to the location of the PWS in question.

Delivery confirmation indicated the initial letter was received on September 21, 2016, and the subsequent letter on October 17, 2016.



September 20, 2016

**SUEZ WATER**  
**4211 East Park Circle**  
**Harrisburg, PA 17111**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

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Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



October 14, 2016

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Joshua S. Baird

Tetra Tech, Inc.



October 14, 2016

**SUEZ WATER**  
4211 East Park Circle  
Harrisburg, PA 17111

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project  
Public Water Supply Coordination**

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Joshua S. Baird  
Tetra Tech, Inc.






Enclosures: Site Map



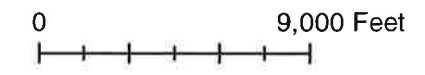
**Global Indicator**



**Legend**

-  Proposed Pipeline
-  PA State Roads
-  PA County
-  PA Municipality
-  Public Water Supply Area

**Sunoco PA Pipeline Project  
Public Water Supply Area**



Prepared For:



Prepared By:



Date:  
9/2016

Base Map;  
ESRI World Imagery, October 2011  
Coordinate System NAD 83  
Stateplane, PA South, Feet



## Laviolette, Carrie

---

**From:** trackingupdates@fedex.com  
**Sent:** Wednesday, September 21, 2016 11:18 AM  
**To:** Laviolette, Carrie  
**Subject:** FedEx Shipment 777276074470 Delivered

# Your package has been delivered

Tracking # 777276074470

Ship date:  
**Tue, 9/20/2016**

**JOSH BAIRD**  
TETRA TECH -  
HOME  
Buffalo, NY 14203  
US



Delivery date:  
**Wed, 9/21/2016**  
**11:11 am**

**Chad Bingaman**  
Suez Water  
4211 East Park Circle  
HARRISBURG, PA  
17111  
US




## Shipment Facts

Our records indicate that the following package has been delivered.

<b>Tracking number:</b>	<a href="#">777276074470</a>
<b>Status:</b>	Delivered: 09/21/2016 11:11 AM Signed for By: K.MCCONNELL
<b>Reference:</b>	112IC05958, 16
<b>Signed for by:</b>	K.MCCONNELL
<b>Delivery location:</b>	HARRISBURG, PA
<b>Delivered to:</b>	Receptionist/Front Desk
<b>Service type:</b>	FedEx Standard Overnight
<b>Packaging type:</b>	FedEx Envelope
<b>Number of pieces:</b>	1
<b>Weight:</b>	0.50 lb.
<b>Special handling/Services:</b>	Direct Signature Required

Deliver Weekday

**Standard transit:** 9/21/2016 by 3:00 pm

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 10:18 AM CDT on 09/21/2016.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Standard transit is the date and time the package is scheduled to be delivered by, based on the selected service, destination and ship date. Limitations and exceptions may apply. Please see the FedEx Service Guide for terms and conditions of service, including the FedEx Money-Back Guarantee, or contact your FedEx Customer Support representative.

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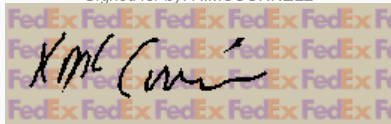
**777474120225**

Ship date:  
**Fri 10/14/2016**



**Delivered**

Signed for by: *K.MCCONNELL*



**TETRA TECH - HOME**  
 JOSH BAIRD  
 301 ELLICOTT STREET  
 Buffalo, NY US 14203  
 716 849-9419

Actual delivery:  
**Mon 10/17/2016 10:49 am**

Suez Water  
 4211 East Park Circle  
 HARRISBURG, PA US 17111  
 716 849-9419

tracking number

United States - English

**Travel History**

Date/Time	Activity	Location
<b>10/17/2016 - Monday</b>		
10:49 am	Delivered	HARRISBURG, PA
8:07 am	On FedEx vehicle for delivery	MIDDLETOWN, PA
7:04 am	At local FedEx facility	MIDDLETOWN, PA
<b>10/15/2016 - Saturday</b>		
8:08 am	At local FedEx facility	MIDDLETOWN, PA
8:08 am	At local FedEx facility	MIDDLETOWN, PA
	Package not due for delivery	
6:50 am	At destination sort facility	MIDDLETOWN, PA
4:01 am	Departed FedEx location	MEMPHIS, TN
<b>10/14/2016 - Friday</b>		
11:21 pm	Arrived at FedEx location	MEMPHIS, TN
4:49 pm	Picked up	CHEEKTOWAGA, NY
1:48 pm	Shipment information sent to FedEx	

Use | Security and Privacy

**Shipment Facts**

<b>Tracking number</b>	777474120225	<b>Service</b>	FedEx Standard Overnight
<b>Weight</b>	0.5 lbs / 0.23 kgs	<b>Signature services</b>	Adult signature required
<b>Delivery attempts</b>	1	<b>Delivered To</b>	Receptionist/Front Desk
<b>Total pieces</b>	1	<b>Total shipment weight</b>	0.5 lbs / 0.23 kgs
<b>Terms</b>	Not Available	<b>Shipper reference</b>	112IC05958, 16
<b>Packaging</b>	FedEx Envelope	<b>Special handling section</b>	Deliver Weekday, Adult Signature Required
<b>Standard transit</b>	10/17/2016 by 3:00 pm		

Ask FedEx

---

**To:** United Water Pa Mechanicsburg Telephone: 707-561-1103

**Contact name:** John D. Hollenbach

---

**From:** Josh Baird (Tt)

---

**Date:** September 20, 2016

---

**Subject:** Sunoco Pipeline L.P. – Pennsylvania Pipeline Project Public Water Supply Coordination

---

A letter was sent to John D. Hollenbach at United Water Pa Mechanicsburg on September 20, 2016 requesting information regarding Public Water Supply (PWS) source(s) and/or facility(s) in location to the Pennsylvania Pipeline Project (Project) in order to assess any potential impacts to the PWS. An additional letter was sent with an updated Project description on October 14, 2016.

A brief description of the Project was included as well a Site Map related to the location of the PWS in question.

Delivery confirmation indicated the initial letter was received on September 21, 2016, and the subsequent letter on October 17, 2016.



September 20, 2016

**UNITED WATER PA MECHANICSBURG**  
**4211 East Park Circle**  
**Harrisburg, PA 17111**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

As part of the PADEP permit requirements, we and Sunoco respectfully request your review of the Project's location as it relates to your Public Water Supply (PWS) source(s) and/or facility(s), and assess any potential impacts to the PWS. SPLP also requests the approximate location and/or name of the waterbody that is the water supply. If you require additional information and/or consultation pertaining to the Project, please contact Joshua Baird using the contact info listed below. **If further consultation is not initiated by October 6, SPLP will deem the Project in good standing as it relates to your PWS, and will proceed as planned.**

The following attachments are included for your review:

- Site Map showing the location of the proposed pipeline Project ROW as it relates to the Public Water Supply Areas obtained from the Pennsylvania Department of Environmental Protection's eMapPA application.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



October 14, 2016

Dear Sir or Madam,

The enclosed letter is on behalf of Sunoco Pipeline, L.P. (SPLP), in regards to a previously delivered letter dated September 20, 2016 referencing the Chapter 105 Water Obstruction and Encroachments Permit for the Pennsylvania Pipeline Project (Project). In that letter the project description indicated the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. The Project also includes the installation of a 16-inch pipeline within the same previously described 306-mile, 50-foot-wide right-of-way (ROW). The intention of this letter is to clarify the two planned parallel pipelines. Routing and workspaces will not change from what was previously indicated.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'J. Baird', written in a cursive style.

Joshua S. Baird

Tetra Tech, Inc.



October 14, 2016

**UNITED WATER PA MECHANICSBURG**  
4211 East Park Circle  
Harrisburg, PA 17111

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project  
Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of two parallel pipelines within an approximately 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. A 20-inch diameter pipeline will be installed within the ROW from Houston to Marcus Hook (306 miles) and a second, 16-inch diameter pipeline, will also be installed in the same ROW. The second line is proposed to be installed from SPLP's Delmont Station, Westmoreland County, Pennsylvania to the Marcus Hook facility, paralleling the initial line for approximately 255 miles. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

As part of the PADEP permit requirements, we and Sunoco respectfully request your review of the Project's location as it relates to your Public Water Supply (PWS) source(s) and/or facility(s), and assess any potential impacts to the PWS. SPLP also requests the approximate location and/or name of the waterbody that is the water supply. If you require additional information and/or consultation pertaining to the Project, please contact Joshua Baird using the contact info listed below. **If further consultation is not initiated by October 18, SPLP will deem the Project in good standing as it relates to your PWS, and will proceed as planned.**

The following attachments are included for your review:

- Site Map showing the location of the proposed pipeline Project ROW as it relates to the Public Water Supply Areas obtained from the Pennsylvania Department of Environmental Protection's eMapPA application.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map

# UNITED WATER PA MECHANICSBURG



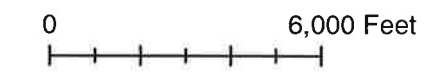
## Global Indicator



## Legend

- Proposed Pipeline
- PA State Roads
- PA County
- PA Municipality
- Public Water Supply Area

## Sunoco PA Pipeline Project Public Water Supply Area



Prepared For:



Prepared By:



Date:  
9/2016

Base Map;  
ESRI World Imagery, October 2011  
Coordinate System NAD 83  
Stateplane, PA South, Feet



## Laviolette, Carrie

---

**From:** trackingupdates@fedex.com  
**Sent:** Wednesday, September 21, 2016 11:18 AM  
**To:** Laviolette, Carrie  
**Subject:** FedEx Shipment 777276121516 Delivered

## Your package has been delivered

Tracking # 777276121516

Ship date:  
**Tue, 9/20/2016**

**JOSH BAIRD**  
TETRA TECH -  
HOME  
Buffalo, NY 14203  
US



Delivery date:  
**Wed, 9/21/2016**  
**11:11 am**

**John D. Hollenbach**  
United Water PA  
Mechanicsburg  
4211 East Park Circle  
HARRISBURG, PA  
17111  
US




### Shipment Facts

Our records indicate that the following package has been delivered.

<b>Tracking number:</b>	<a href="#">777276121516</a>
<b>Status:</b>	Delivered: 09/21/2016 11:11 AM Signed for By: K.MCCONNELL
<b>Reference:</b>	112IC05958, 16
<b>Signed for by:</b>	K.MCCONNELL
<b>Delivery location:</b>	HARRISBURG, PA
<b>Delivered to:</b>	Receptionist/Front Desk
<b>Service type:</b>	FedEx Standard Overnight
<b>Packaging type:</b>	FedEx Envelope
<b>Number of pieces:</b>	1
<b>Weight:</b>	0.50 lb.
<b>Special handling/Services:</b>	Direct Signature Required

Deliver Weekday

**Standard transit:** 9/21/2016 by 3:00 pm

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 10:18 AM CDT on 09/21/2016.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

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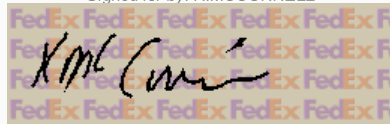
**777474139852**

Ship date:  
**Fri 10/14/2016**



**Delivered**

Signed for by: *K.MCCONNELL*



**TETRA TECH - HOME**  
 JOSH BAIRD  
 301 ELLICOTT STREET  
 Buffalo, NY US 14203  
 716 849-9419

Actual delivery:  
**Mon 10/17/2016 10:49 am**

United Water PA - Mechanicsburg  
 4211 East Park Circle  
 HARRISBURG, PA US 17111  
 716 849-9419

tracking number

United States - English

**Travel History**

Date/Time	Activity	Location
<b>10/17/2016 - Monday</b>		
10:49 am	Delivered	HARRISBURG, PA
8:07 am	On FedEx vehicle for delivery	MIDDLETOWN, PA
7:07 am	At local FedEx facility	MIDDLETOWN, PA
<b>10/15/2016 - Saturday</b>		
8:07 am	At local FedEx facility	MIDDLETOWN, PA
8:07 am	At local FedEx facility	MIDDLETOWN, PA
	Package not due for delivery	
6:50 am	At destination sort facility	MIDDLETOWN, PA
4:01 am	Departed FedEx location	MEMPHIS, TN
<b>10/14/2016 - Friday</b>		
11:21 pm	Arrived at FedEx location	MEMPHIS, TN
4:49 pm	Picked up	CHEEKTOWAGA, NY
1:48 pm	Shipment information sent to FedEx	

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**Shipment Facts**

<b>Tracking number</b>	777474139852	<b>Service</b>	FedEx Standard Overnight
<b>Weight</b>	0.5 lbs / 0.23 kgs	<b>Signature services</b>	Adult signature required
<b>Delivery attempts</b>	1	<b>Delivered To</b>	Receptionist/Front Desk
<b>Total pieces</b>	1	<b>Total shipment weight</b>	0.5 lbs / 0.23 kgs
<b>Terms</b>	Not Available	<b>Shipper reference</b>	112IC05958, 16
<b>Packaging</b>	FedEx Envelope	<b>Special handling section</b>	Deliver Weekday, Adult Signature Required
<b>Standard transit</b>	10/17/2016 by 3:00 pm		

Ask FedEx

---

**To:** Wernersville Muni Water Auth Telephone: 610-678-4711

**Contact name:** Mike Drobeck

---

**From:** Josh Baird (Tt)

---

**Date:** September 20, 2016

---

**Subject:** Sunoco Pipeline L.P. – Pennsylvania Pipeline Project Public Water Supply Coordination

---

A letter was sent to Mike Drobeck at Wernersville Muni Water Auth on September 20, 2016 requesting information regarding Public Water Supply (PWS) source(s) and/or facility(s) in location to the Pennsylvania Pipeline Project (Project) in order to assess any potential impacts to the PWS. An additional letter was sent with an updated Project description on October 14, 2016.

A brief description of the Project was included as well a Site Map related to the location of the PWS in question.

Delivery confirmation indicated the initial letter was received on September 21, 2016, and the subsequent letter on October 17, 2016.

Received email on 9/26/16 from Nick Johnson stating no impact anticipated.



September 20, 2016

**WERNERSVILLE MUNI WATER AUTH**  
**Po Box 145/250 N Elm St.**  
**Wernersville, PA 19565**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

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The following attachments are included for your review:

- Site Map showing the location of the proposed pipeline Project ROW as it relates to the Public Water Supply Areas obtained from the Pennsylvania Department of Environmental Protection's eMapPA application.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



October 14, 2016

Dear Sir or Madam,

The enclosed letter is on behalf of Sunoco Pipeline, L.P. (SPLP), in regards to a previously delivered letter dated September 20, 2016 referencing the Chapter 105 Water Obstruction and Encroachments Permit for the Pennsylvania Pipeline Project (Project). In that letter the project description indicated the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. The Project also includes the installation of a 16-inch pipeline within the same previously described 306-mile, 50-foot-wide right-of-way (ROW). The intention of this letter is to clarify the two planned parallel pipelines. Routing and workspaces will not change from what was previously indicated.

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Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'J. Baird', with a stylized flourish at the end.

Joshua S. Baird

Tetra Tech, Inc.



October 14, 2016

**WERNERSVILLE MUNI WATER AUTH**  
**Po Box 145/250 N Elm St.**  
**Wernersville, PA 19565**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of two parallel pipelines within an approximately 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. A 20-inch diameter pipeline will be installed within the ROW from Houston to Marcus Hook (306 miles) and a second, 16-inch diameter pipeline, will also be installed in the same ROW. The second line is proposed to be installed from SPLP's Delmont Station, Westmoreland County, Pennsylvania to the Marcus Hook facility, paralleling the initial line for approximately 255 miles. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

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If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map






# WERNERSVILLE MUNI AUTH



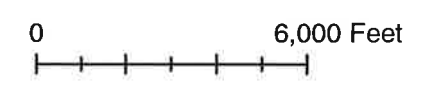
## Global Indicator



## Legend

-  Proposed Pipeline
-  PA State Roads
-  PA County
-  PA Municipality
-  Public Water Supply Area

### Sunoco PA Pipeline Project Public Water Supply Area



Prepared For:



Prepared By:



Date:  
9/2016

Base Map;  
ESRI World Imagery, October 2011  
Coordinate System NAD 83  
Stateplane, PA South, Feet




## Laviolette, Carrie

---

**From:** trackingupdates@fedex.com  
**Sent:** Monday, October 17, 2016 12:44 PM  
**To:** Laviolette, Carrie  
**Subject:** FedEx Shipment 777474177290 Delivered

## Your package has been delivered

Tracking # 777474177290

Ship date: <b>Fri, 10/14/2016</b>	Delivery date: <b>Mon, 10/17/2016 12:38 pm</b>	
<b>JOSH BAIRD</b> TETRA TECH - HOME Buffalo, NY 14203 US	 <b>Delivered</b>	<b>Wernersville Muni. Water Authority</b> 250 N. Elm Street WERNERSVILLE, PA 19565 US

### Shipment Facts


Our records indicate that the following package has been delivered.

<b>Tracking number:</b>	<a href="#">777474177290</a>
<b>Status:</b>	Delivered: 10/17/2016 12:38 PM Signed for By: B.DIBIEC
<b>Reference:</b>	112IC05958, 16
<b>Signed for by:</b>	B.DIBIEC
<b>Delivery location:</b>	WERNERSVILLE, PA
<b>Delivered to:</b>	Receptionist/Front Desk
<b>Service type:</b>	FedEx Standard Overnight
<b>Packaging type:</b>	FedEx Envelope
<b>Number of pieces:</b>	1
<b>Weight:</b>	0.50 lb.
<b>Special handling/Services:</b>	Adult Signature Required



Deliver Weekday

**Standard transit:** 10/17/2016 by 3:00  
pm

 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 11:43 AM CDT on 10/17/2016.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Standard transit is the date and time the package is scheduled to be delivered by, based on the selected service, destination and ship date. Limitations and exceptions may apply. Please see the FedEx Service Guide for terms and conditions of service, including the FedEx Money-Back Guarantee, or contact your FedEx Customer Support representative.

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Thank you for your business.

---

**To:** West Cocalico Twp Water Auth Telephone: 717-336-8720

**Contact name:** Henry Freed

---

**From:** Josh Baird (Tt)

---

**Date:** September 20, 2016

---

**Subject:** Sunoco Pipeline L.P. – Pennsylvania Pipeline Project Public Water Supply Coordination

---

A letter was sent to Henry Freed at West Cocalico Twp Water Auth on September 20, 2016 requesting information regarding Public Water Supply (PWS) source(s) and/or facility(s) in location to the Pennsylvania Pipeline Project (Project) in order to assess any potential impacts to the PWS. An additional letter was sent with an updated Project description on October 14, 2016.

A brief description of the Project was included as well a Site Map related to the location of the PWS in question.

Delivery confirmation indicated the initial letter was received on September 21, 2016, and the subsequent letter on October 18, 2016.

Received an email on 10/5/16 stating a Letter of No Objection was signed. Received email with PDF on 10/18/16.



September 20, 2016

**WEST COCALICO TWP WATER AUTH**  
**P.O. Box 244/W Main St.**  
**Reinholds, PA 17569**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

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If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



October 14, 2016

Dear Sir or Madam,

The enclosed letter is on behalf of Sunoco Pipeline, L.P. (SPLP), in regards to a previously delivered letter dated September 20, 2016 referencing the Chapter 105 Water Obstruction and Encroachments Permit for the Pennsylvania Pipeline Project (Project). In that letter the project description indicated the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. The Project also includes the installation of a 16-inch pipeline within the same previously described 306-mile, 50-foot-wide right-of-way (ROW). The intention of this letter is to clarify the two planned parallel pipelines. Routing and workspaces will not change from what was previously indicated.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'J. Baird', written in a cursive style.

Joshua S. Baird

Tetra Tech, Inc.



October 14, 2016

**WEST COCALICO TWP WATER AUTH**  
**P.O. Box 244/W Main St.**  
**Reinholds, PA 17569**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of two parallel pipelines within an approximately 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. A 20-inch diameter pipeline will be installed within the ROW from Houston to Marcus Hook (306 miles) and a second, 16-inch diameter pipeline, will also be installed in the same ROW. The second line is proposed to be installed from SPLP's Delmont Station, Westmoreland County, Pennsylvania to the Marcus Hook facility, paralleling the initial line for approximately 255 miles. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

As part of the PADEP permit requirements, we and Sunoco respectfully request your review of the Project's location as it relates to your Public Water Supply (PWS) source(s) and/or facility(s), and assess any potential impacts to the PWS. SPLP also requests the approximate location and/or name of the waterbody that is the water supply. If you require additional information and/or consultation pertaining to the Project, please contact Joshua Baird using the contact info listed below. **If further consultation is not initiated by October 18, SPLP will deem the Project in good standing as it relates to your PWS, and will proceed as planned.**

The following attachments are included for your review:

- Site Map showing the location of the proposed pipeline Project ROW as it relates to the Public Water Supply Areas obtained from the Pennsylvania Department of Environmental Protection's eMapPA application.

If you have further questions or require additional information, please do not hesitate to contact me at (716) 849-9419 or via email at [Josh.Baird@TetraTech.com](mailto:Josh.Baird@TetraTech.com)

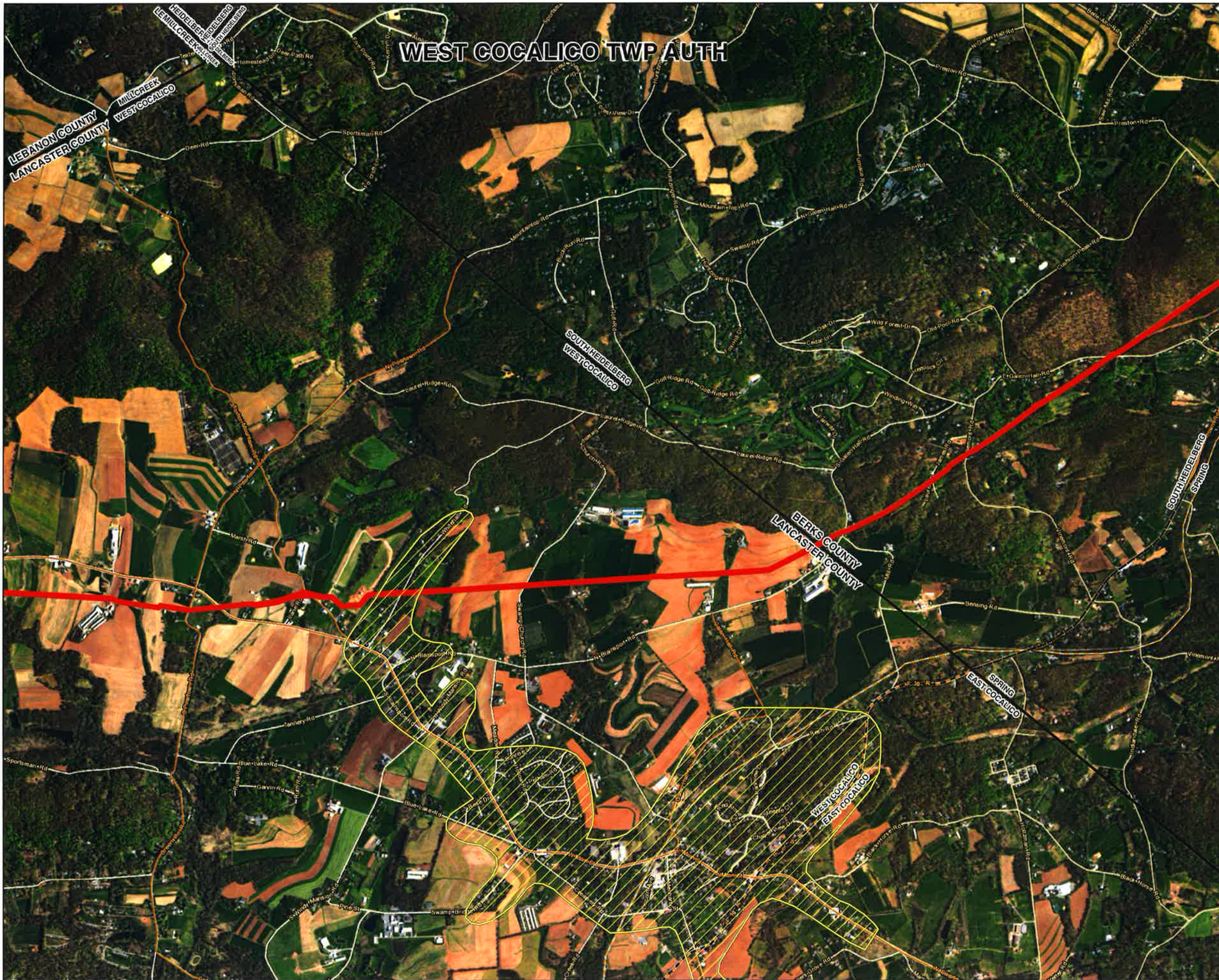
Thank you for your timely response to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read 'Josh Baird'.

Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



<b>Global Indicator</b>	
<b>Legend</b>	
	Proposed Pipeline
	PA State Roads
	PA County
	PA Municipality
	Public Water Supply Area
<b>Sunoco PA Pipeline Project Public Water Supply Area</b>	
0 <span style="float: right;">3,000 Feet</span>	
Prepared For:	
Prepared By:	Date:
	9/2016
Base Map; ESRI World Imagery, October 2011 Coordinate System NAD 83 Stateplane, PA South, Feet	

## Laviolette, Carrie

---

**From:** trackingupdates@fedex.com  
**Sent:** Tuesday, October 18, 2016 12:38 PM  
**To:** Laviolette, Carrie  
**Subject:** FedEx Shipment 777482333972 Delivered

# Your package has been delivered

Tracking # 777482333972

Ship date:  
**Mon,  
10/17/2016**

**JOSH BAIRD**  
TETRA TECH -  
HOME  
Buffalo, NY 14203  
US



Delivered

Delivery date:  
**Tue, 10/18/2016  
12:35 pm**

**Henry Freed**  
West Cocalico  
Township  
156 B. West Main  
Street PO Box 244  
REINHOLDS, PA  
17569  
US



## Shipment Facts


Our records indicate that the following package has been delivered.

<b>Tracking number:</b>	<a href="#">777482333972</a>
<b>Status:</b>	Delivered: 10/18/2016 12:35 PM Signed for By: T.EMERICH
<b>Reference:</b>	112IC05958 Task 16
<b>Signed for by:</b>	T.EMERICH
<b>Delivery location:</b>	REINHOLDS, PA
<b>Delivered to:</b>	Receptionist/Front Desk
<b>Service type:</b>	FedEx Standard Overnight
<b>Packaging type:</b>	FedEx Envelope
<b>Number of pieces:</b>	1
<b>Weight:</b>	0.50 lb.

<b>Special handling/Services:</b>	Adult Signature Required
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Deliver Weekday

<b>Standard transit:</b>	10/18/2016 by 4:30 pm
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 Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 11:38 AM CDT on 10/18/2016.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above.

Standard transit is the date and time the package is scheduled to be delivered by, based on the selected service, destination and ship date. Limitations and exceptions may apply. Please see the FedEx Service Guide for terms and conditions of service, including the FedEx Money-Back Guarantee, or contact your FedEx Customer Support representative.

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Thank you for your business.

---

**To:** Westmoreland Ma-Truxall Sys Telephone: 724-727-2300

**Contact name:** Chris Kerr

---

**From:** Josh Baird (Tt)

---

**Date:** September 20, 2016

---

**Subject:** Sunoco Pipeline L.P. – Pennsylvania Pipeline Project Public Water Supply Coordination

---

A letter was sent to Chris Kerr at Westmoreland Ma-Truxall Sys on September 20, 2016 requesting information regarding Public Water Supply (PWS) source(s) and/or facility(s) in location to the Pennsylvania Pipeline Project (Project) in order to assess any potential impacts to the PWS. An additional letter was sent with an updated Project description on October 14, 2016.

A brief description of the Project was included as well a Site Map related to the location of the PWS in question.

Delivery confirmation indicated the initial letter was received on September 21, 2016, and the subsequent letter on October 18, 2016.



September 20, 2016

**WESTMORELAND MA-TRUXALL SYS**  
**136 George Sweeney Water Treatment Plant Rd**  
**Saltsburg, PA 15601**

**Reference: Sunoco Pipeline L.P. – Pennsylvania Pipeline Project**  
**Public Water Supply Coordination**

Dear Sir or Madam,

On behalf of Sunoco Pipeline, L.P. (SPLP), Tetra Tech is in the process of providing data to the Pennsylvania Department of Environmental Protection (PADEP), to obtain a Chapter 105 Water Obstruction and Encroachment Permit for the Pennsylvania Pipeline Project (Project). The Project involves the installation of an approximately 20 inch pipeline within a 306-mile, 50-foot-wide right-of-way (ROW) from Houston, Washington County, Pennsylvania to SPLP's Marcus Hook facility in Delaware County, Pennsylvania with the purpose of interconnecting with existing SPLP Mariner East pipelines. Additional above ground facilities, such as block valves and pump stations will also be required to complete the project. The project will require crossing various streams and wetlands in the project area, including direct temporary disturbances to streams and wetlands at installation locations. Once pipeline installation has been completed, trenches will be backfilled with the excavated material, and water/wetland resources will be restored to preconstruction contours and stabilized with native vegetation. Only at aboveground facilities will change in grades occur. Erosion and sedimentation control best management practices will be used during all phases of construction.

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Thank you for your timely response to this matter.

Sincerely,

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Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



October 14, 2016

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Joshua S. Baird

Tetra Tech, Inc.



October 14, 2016

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**136 George Sweeney Water Treatment Plant Rd**  
**Saltsburg, PA 15601**

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**Public Water Supply Coordination**

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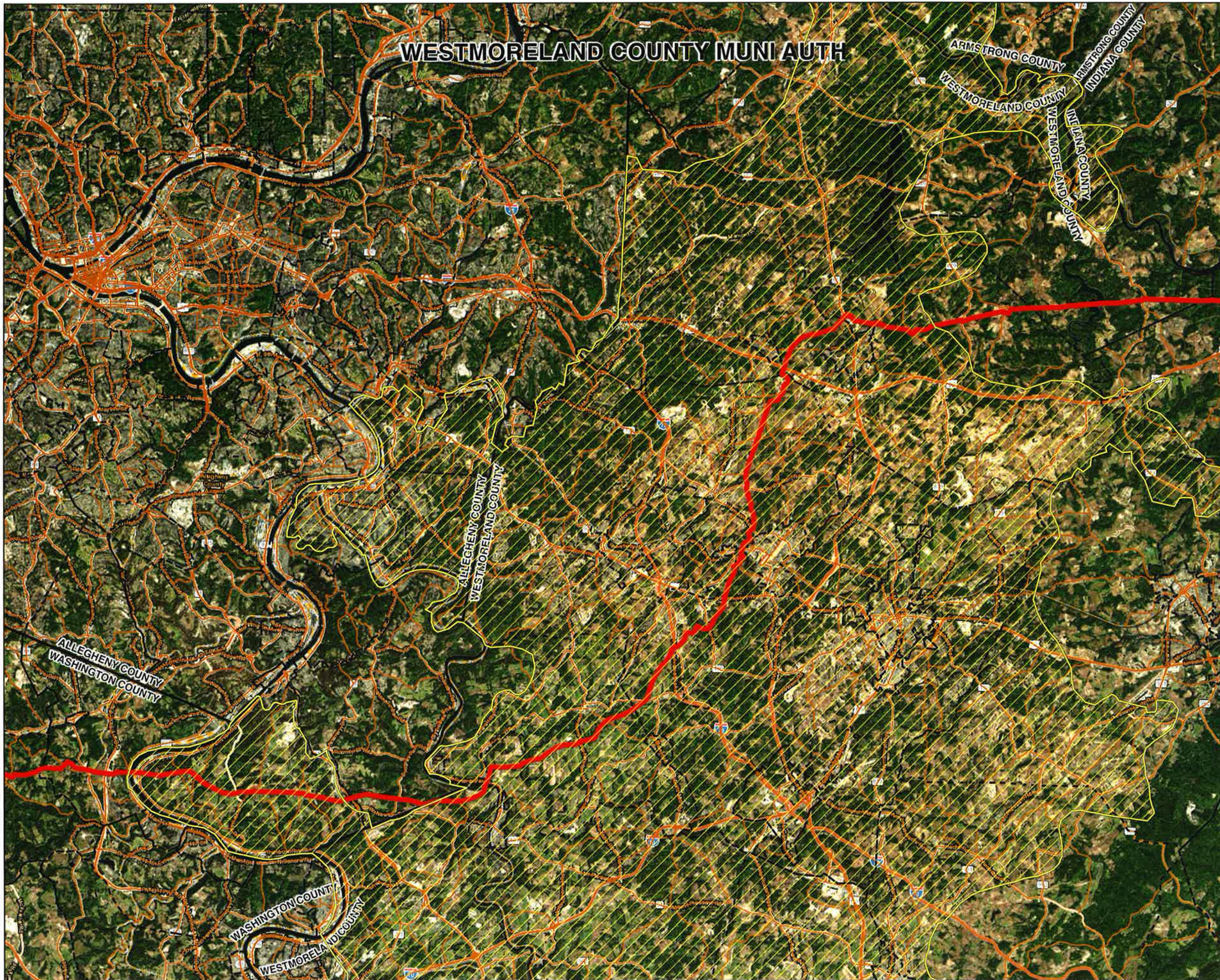
Thank you for your timely response to this matter.

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Joshua S. Baird  
Tetra Tech, Inc.

Enclosures: Site Map



<b>Global Indicator</b>	
<b>Legend</b>	
	Proposed Pipeline
	PA State Roads
	PA County
	PA Municipality
	Public Water Supply Area
<b>Sunoco PA Pipeline Project Public Water Supply Area</b>	
Prepared For: <div style="float: right; text-align: center;"> </div>	
Prepared By: <div style="float: right; text-align: center;"> </div>	Date: 9/2016
Base Map; ESRI World Imagery, October 2011 Coordinate System NAD 83 Stateplane, PA South, Feet <div style="float: right; text-align: center;"> </div>	

## Laviolette, Carrie

---

**From:** trackingupdates@fedex.com  
**Sent:** Tuesday, October 18, 2016 12:05 PM  
**To:** Laviolette, Carrie  
**Subject:** FedEx Shipment 777482405324 Delivered

# Your package has been delivered

Tracking # 777482405324

Ship date:  
**Mon,**  
**10/17/2016**

**JOSH BAIRD**  
TETRA TECH -  
HOME  
Buffalo, NY 14203  
US



Delivered

Delivery date:  
**Tue, 10/18/2016**  
**11:54 am**

**Chris Kerr**  
Westmoreland  
Municipal Authority  
124 Park and Pool  
Road  
NEW STANTON, PA  
15672  
US



## Shipment Facts


Our records indicate that the following package has been delivered.

<b>Tracking number:</b>	<a href="#">777482405324</a>
<b>Status:</b>	Delivered: 10/18/2016 11:54 AM Signed for By: K.MOONEY
<b>Reference:</b>	112IC05958 Task 16
<b>Signed for by:</b>	K.MOONEY
<b>Delivery location:</b>	NEW STANTON, PA
<b>Delivered to:</b>	Receptionist/Front Desk
<b>Service type:</b>	FedEx Standard Overnight
<b>Packaging type:</b>	FedEx Envelope
<b>Number of pieces:</b>	1
<b>Weight:</b>	0.50 lb.

<b>Special handling/Services:</b>	Adult Signature Required
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Deliver Weekday

<b>Standard transit:</b>	10/18/2016 by 3:00 pm
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Thank you for your business.

# Appendix B

## Well Test Plan

## **Pre-Construction (Baseline) Potable Well Sampling and Well Yield Testing Scope**

The general scope of work and execution is provided below to document pre construction conditions at domestic wells, proximal to HDD borings, and provide a data base on water quality and well yield. This data base can be used to inspect any post HDD construction claims of suspected well impact.

### **WELL YIELD TESTING**

If given permission from the landowner, GES shall conduct well yield testing to measure the yield of the well. These activities will be completed prior to collecting the water sample. Well yield, or specific capacity is commonly used to describe the yield capacity (performance) of a well at a given time and discharge rate. Specific capacity cannot be obtained without invasive monitoring of drawdown during pumping, discharge rate, and time or duration of pumping. For this scope, the test will be conducted for a half hour (30 minutes).

When completing a yield testing, GES shall first ask permission from the landowner to open their well at the wellhead and assess whether a water level meter can be used to measure drawdown in the well during testing. The flow volume can be determined using an outside spigot using a calibrated five-gallon bucket, a time keeping device, and a water level meter. GES will ask the property owner to not use their water during the test and will gather information about the estimated gallons of water used prior to the test. The data gathered is as follows:

- During testing, take readings at five minute intervals. The first reading should be taken upon starting the test (within the first 30 seconds). The following parameters should be recorded at each five minute interval: discharge (gallons per minute [gpm]), drawdown (feet), pH (standard units), temperature (degrees Celsius), turbidity (Nephelometric Turbidity Units [NTU]), specific conductivity (microSiemens per centimeters [ $\mu\text{s}/\text{cm}$ ]). The time should also be recorded at each interval, as well as any additional observations that the field team makes.
- Stop the test before one hour if there is a visual change in the turbidity of the water or if the water starts to surge. If the test is stopped before one hour, record the time that the test was stopped, why the test was stopped, and take a final set of readings. Turbidity increases may indicate the well is overstressed due to excessive drawdown. Surging may indicate that the drawdown in the well may be excessive, causing the pump to suck air.
- The specific capacity will be calculated by dividing the discharge rate by the drawdown.

If a landowner does not provide permission to access the well, or a water level meter cannot be placed in the well, the test can be completed, but drawdown will not be measured and specific capacity will not be calculated; however the discharge rate and the field-measured parameters can be monitored and recorded. If a landowner does not provide permission to complete well yield testing, this will be documented and the test will not be completed.

If a property owner wants flow testing to be completed, but does not agree to a full 30 minute test, a shorter test can be completed and the reason for completing a shorter test will be documented.

### **FIELD SAMPLING/TESTING ITEMS**

Water samples will be collected in accordance with standard industry sampling techniques. For the purposes of this scope it will be assumed that water samples will be collected preferably from the pressure

tank, but if that location is not available or accessible, then the samples will be collected from an alternate location such as an indoor tap, outdoor spigot, or free flowing pipe. Where water treatment systems are present, GES will make all reasonable attempts to collect the water sample prior to any treatment system. If unable to collect a pre-treatment sample, GES will document the conditions and collect post-treatment.

If well yield testing is completed, then additional purging of the water source is not needed before the water sample is collected. If well yield testing is not completed, then the well will be purged before sample collection. Purge volumes will be two times the pressure tank volume. If there is no pressure tank, approximately 60 gallons will be purged. If a reduced purge is requested by the landowner, a minimum of ten gallons will be purged and the reason for a reduced purge will be documented. After purging, GES will collect one sample at each well location and submit to an SXL-approved laboratory for analysis of the following:

	<b><u>Parameters</u></b>
Inorganics	pH
	Specific Conductance
	Turbidity
	Total Dissolved Solids (TDS)
	Total Suspended Solids (TSS)
	Hardness
	Anions: Bromide, Chloride, Sulfate
	Total Alkalinity
Trace Metals	Metals Analysis: (Ba, Ca, Fe, K, Mg, Mn, Na)
Organics	BTEX
	Light Gas Analysis [Methane, ethane, Propane]

Field equipment will consist of a YSI water-quality meter, turbidity meter, photo-ionization detector (PID), digital camera, hand-held GPS unit, laboratory-supplied bottleware, calibrated five-gallon bucket, tubing, hand tools, water level meter, plastic sheeting, and decontamination materials. The following items will be documented on the Field Data Survey form.

- Sketch of parcel boundaries, parcel features, and water source location
- Water use (domestic or livestock)
- Well information (if known)
  - Vented
  - Depth
  - Diameter
  - Pump Depth
  - Water Level
  - Year Well Installed
  - Seasonal Information
- GPS location of source in decimal degrees format
- Pressure tank size
- Treatment system description and photographs

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- Sample collected pre- or post-treatment
- Purge volume (at a minimum twice the pressure tank size)
- Water quality data (pH, conductivity, temperature, turbidity, and VOCs)
- Well yield testing measurements (as detailed above)
- Photographs
- Observations related to well integrity and/or the condition of the environment surrounding the well

HDD	Aquatic Resource Crossed	County	PADEP Region	Travel and Clearing LOD/Travel LOD	EV Wetland	Bog Turtle Occupied Wetland
PA-WA-0072.0000-SR	No Aquatic Resources Impacted	Washington	Southwest			
PA-WA-0074.0000-RR	S7	Washington	Southwest			
PA-WA-0102.0000-SR	No Aquatic Resources Impacted	Washington	Southwest			
PA-WA-0103.0000-RD	S250, S16	Washington	Southwest	ROW - Travel and Clearing LOD		
PA-WA-0106.0000-SR	No Aquatic Resources Impacted	Washington	Southwest	ROW - Travel LOD		
PA-WA-0111.0000-SR	No Aquatic Resources Impacted	Washington	Southwest	ROW - Travel LOD		
PA-WA-0119.0000-RD	S129, S280	Washington	Southwest			
PA-WA-0119.0003-RD	No Aquatic Resources Impacted	Washington	Southwest			
PA-WA-0127.0000-RR	S131, S130, W43	Washington	Southwest			
PA-WA-0164.0000-RD	No Aquatic Resources Impacted	Washington	Southwest	ROW - Travel LOD		
PA-WA-0171.0000-RR	S28, S27, S142	Washington	Southwest	ROW - Travel LOD		
PA-WA-0172.0000-RD	S29	Washington	Southwest			
PA-WA-0176.0000-RR	S121	Washington	Southwest			
PA-AL-0001.0000-RR	No Aquatic Resources Impacted	Allegheny	Southwest	ROW - Travel and Clearing LOD		
PA-AL-0033.0000-RD	S163	Allegheny	Southwest			
PA-WM1-0012.0000-RR	S122, S222	Westmoreland	Southwest	ROW - Travel and Clearing LOD		
PA-WM1-0020.0000-WX	S224	Westmoreland	Southwest	ROW - Travel and Clearing LOD		
PA-WM1-0023.0000-RD	S172	Westmoreland	Southwest	ROW - Travel and Clearing LOD		
PA-WM1-0039.0000-RD	S181, S226	Westmoreland	Southwest	ROW - Travel and Clearing LOD		
PA-WM1-0042.0000-WX	S182	Westmoreland	Southwest			
PA-WM1-0044.0000-RD	S184	Westmoreland	Southwest	ROW - Travel and Clearing LOD		
PA-WM1-0054.0000-RD	S228, S227, W68	Westmoreland	Southwest			
PA-WM1-0072.0000-RD	S198	Westmoreland	Southwest	ROW - Travel and Clearing LOD		

PA-WM1-0088.0000-RR	S199	Westmoreland	Southwest	ROW - Travel and Clearing LOD		
PA-WM1-0111.0000-RD	S202, S201	Westmoreland	Southwest			
PA-WM1-0144.0000-RD	S215, W61	Westmoreland	Southwest	ROW - Travel and Clearing LOD		
PA-WM1-0157.0000-RD	No Aquatic Resources Impacted	Westmoreland	Southwest			
PA-WM2-0021.0000-RD	S-Q5, S-Q8, S-Q7, S-Q9, Q6, Q7, Q8	Westmoreland	Southwest			
PA-WM2-0021.0000-RD-16	S-Q5, S-Q8, S-Q7, S-Q9, Q6, Q7, Q8, Q4	Westmoreland	Southwest			
PA-WM2-0064.0000-WX	Pond-O4	Westmoreland	Southwest	ROW - Travel and Clearing LOD		
PA-WM2-0064.0000-WX-16	Pond-O4	Westmoreland	Southwest	ROW - Travel and Clearing LOD		
PA-WM2-0090.0000-RD	S-P20, S-P19, P13, P14, Pond-P3	Westmoreland	Southwest	ROW - Travel LOD		
PA-WM2-0090.0000-RD-16	S-P20, Pond-P3	Westmoreland	Southwest	ROW - Travel LOD		
PA-WM2-0093.0000-RD	S-O61, O45	Westmoreland	Southwest	ROW - Travel and Clearing LOD		
PA-WM2-0093.0000-RD-16	S-O61, O45	Westmoreland	Southwest	ROW - Travel and Clearing LOD		
PA-IN-0000.0001-WX	S-J55, N28, J52	Indiana	Southwest			
PA-IN-0000.0001-WX-16	S-J55, S-J56, N28	Indiana	Southwest			
PA-IN-0002.0000-RR	S-J57	Indiana	Southwest	ROW - Travel LOD		
PA-IN-0002.0000-RR-16	S-J57, P1	Indiana	Southwest	ROW - Travel LOD		
PA-IN-0019.0000-RR	S-J58, J53	Indiana	Southwest			
PA-IN-0019.0000-RR-16	S-J58, J53	Indiana	Southwest			
PA-IN-0022.0000-RD	S-O113, O77	Indiana	Southwest			
PA-IN-0022.0000-RD-16	S-O113, O77, N61	Indiana	Southwest			
PA-IN-0025.0000-RD	No Aquatic Resources Impacted	Indiana	Southwest			
PA-IN-0025.0000-RD-16	No Aquatic Resources Impacted	Indiana	Southwest			
PA-IN-0048.0000-RD	N57, N56	Indiana	Southwest			
PA-IN-0048.0000-RD-16	N57, N56	Indiana	Southwest			
PA-IN-0086.0000-RD	S-N66, N34	Indiana	Southwest		EV	
PA-IN-0086.0000-RD-16	S-N65, S-N66, N34, N35	Indiana	Southwest		EV	
PA-CA-0016.0000-RD*	S-N42, S-N41, N25, N26, N27	Cambria	Southwest			

PA-CA-0016.0000-RD-16*	S-N41, N25, N26, N27	Cambria	Southwest			
PA-CA-0023.0000-RD	S-N39, S-O43, S-N36, S-O44, N20, N24	Cambria	Southwest			
PA-CA-0023.0000-RD-16	S-N39, S-O43, S-N36, S-O44, N20, N24, O35	Cambria	Southwest			
PA-CA-0047.0000-SR	S-CC8, CC16, CC19, CC17	Cambria	Southwest	ROW - Travel LOD		
PA-CA-0047.0000-SR-16	S-CC8, CC16, CC19, CC17	Cambria	Southwest	ROW - Travel LOD		
PA-CA-0069.0000-RD	S-N34, S-N17, N18	Cambria	Southwest	ROW - Travel and Clearing LOD		
PA-CA-0069.0000-RD-16	S-N34, S-N17, N18	Cambria	Southwest	ROW - Travel and Clearing LOD		
PA-CA-0089.0000-RR	S-K33, K31	Cambria	Southwest			
PA-CA-0089.0000-RR-16	S-K33, K31	Cambria	Southwest			
PA-CA-0091.0016-RD	M59, L62	Cambria	Southwest		EV	
PA-CA-0091.0016-RD-16	M59, L62	Cambria	Southwest		EV	
PA-BL-0001.0021-RD	BB120	Blair	Southcentral	ROW - Travel LOD	EV	
PA-BL-0001.0021-RD-16	BB120	Blair	Southcentral	ROW - Travel LOD	EV	
PA-BL-0001.0027-RD	S-M69, M49, M79	Blair	Southcentral		EV	
PA-BL-0001.0027-RD-16	S-M69, M49, M79	Blair	Southcentral		EV	
PA-BL-0001.0032-RD	No Aquatic Resources Impacted	Blair	Southcentral	ROW - Travel and Clearing LOD		
PA-BL-0001.0032-RD-16	No Aquatic Resources Impacted	Blair	Southcentral	ROW - Travel and Clearing LOD		
PA-BL-0001.0048-RR	S-BB48, BB58	Blair	Southcentral	ROW - Travel and Clearing LOD	EV	
PA-BL-0001.0048-RR-16	S-BB48, BB58	Blair	Southcentral	ROW - Travel and Clearing LOD	EV	
PA-BL-0001.0094-WX	S-L77, S-L76, S-BB95, S-BB92, L55, L54, L56	Blair	Southcentral		EV	
PA-BL-0001.0094-WX-16	S-L77, S-L76, S-BB95, S-BB92, L55, L54, BB125, L56	Blair	Southcentral		EV	
PA-BL-0122.0000-WX	S-M31, S-M32, S-M38, M24, M29	Blair	Southcentral	ROW - Travel and Clearing LOD	EV	
PA-BL-0122.0000-WX-16	S-M31, S-M32, S-M38, M24, M29	Blair	Southcentral	ROW - Travel and Clearing LOD	EV	
PA-BL-0126.0000-RD	S-M33, S-M30, M26	Blair	Southcentral		EV	
PA-BL-0126.0000-RD-16	S-M33, S-M30	Blair	Southcentral			

PA-HU-0019.0002-RD	S-Y7, S-Y6, S-Y5, Y7, Y6	Huntingdon	Southcentral			
PA-HU-0019.0002-RD-16	S-Y6, S-Y5, Y7, Y6	Huntingdon	Southcentral			
PA-HU-0020.0007-RD	No Aquatic Resources Impacted	Huntingdon	Southcentral			
PA-HU-0020.0007-RD-16	No Aquatic Resources Impacted	Huntingdon	Southcentral			
PA-HU-0020.0008-SS2	S-Y3, S-Y2, S-Y1, Y1, Y3, Y2, Y4	Huntingdon	Southcentral	ROW - Travel and Clearing LOD		
PA-HU-0020.0008-SS2-16	S-Y3, S-Y2, S-Y1, Y1, Y3, Y2, Y4	Huntingdon	Southcentral	ROW - Travel and Clearing LOD		
PA-HU-0020.0008-WX	LK-2	Huntingdon	Southcentral			
PA-HU-0020.0008-WX-16	LK-2	Huntingdon	Southcentral			
PA-HU-0025.0000-RD3	No Aquatic Resources Impacted	Huntingdon	Southcentral			
PA-HU-0025.0000-RD3-16	No Aquatic Resources Impacted	Huntingdon	Southcentral			
PA-HU-0047.0000-RD	S-L46, L27	Huntingdon	Southcentral			
PA-HU-0047.0000-RD-16	S-L46, S-L45, L27, Pond I4	Huntingdon	Southcentral			
PA-HU-0078.0000-WX	S-L28, S-L29	Huntingdon	Southcentral			
PA-HU-0078.0000-WX-16	S-L28, S-L29	Huntingdon	Southcentral			
PA-HU-0106.0000-RD	S-K94, K70, K69	Huntingdon	Southcentral			
PA-HU-0106.0000-RD-16	S-K94, K70, K69	Huntingdon	Southcentral			
PA-HU-0110.0000-SR	S-K93, S-K91, K68	Huntingdon	Southcentral			
PA-HU-0110.0000-SR-16	S-K93, S-K91, K68	Huntingdon	Southcentral			
PA-JU-0004.0000-WX	S-K74, K60, K59	Juniata	Southcentral			
PA-JU-0004.0000-WX-16	S-K74, K60, K59	Juniata	Southcentral			
PA-PE-0002.0000-RD	S-L6, L2, L1	Perry	Southcentral		EV	
PA-PE-0002.0000-RD-16	S-L6, L2, L1	Perry	Southcentral		EV	
PA-CU-0015.0000-RD	S-I89, J40, I63, J40	Cumberland	Southcentral			
PA-CU-0015.0000-RD-16	S-I89, J40, I63, J40	Cumberland	Southcentral			
PA-CU-0053.0000-RD	S-BB120, W177	Cumberland	Southcentral	ROW - Travel LOD		
PA-CU-0053.0000-RD-16	S-BB120, W177	Cumberland	Southcentral	ROW - Travel LOD		
PA-CU-0062.0000-WX	S-J37A, S-J36, S-J37B, S-J41, J35, J35	Cumberland	Southcentral			
PA-CU-0062.0000-WX-16	S-J37A, S-J36, S-J37B, S-J41, J35	Cumberland	Southcentral			
PA-CU-0067.0000-RD	S-J34, J31	Cumberland	Southcentral			
PA-CU-0067.0000-RD-16	S-J34, J31	Cumberland	Southcentral			
PA-CU-0125.0001-WX	S-J18	Cumberland	Southcentral			
PA-CU-0125.0001-WX-16	S-J18	Cumberland	Southcentral			
PA-CU-0128.0000-WX	S-I53, S-I54, S-K45, K44, J9, J10	Cumberland	Southcentral			

PA-CU-0128.0000-WX-16	S-I53, S-I54, S-K45, K44, I36, J9, J10	Cumberland	Southcentral			
PA-CU-0136.0000-RD	No Aquatic Resources Impacted	Cumberland	Southcentral			
PA-CU-0136.0000-RD-16	No Aquatic Resources Impacted	Cumberland	Southcentral			
PA-CU-0136.0002-WX	S-I48, I32, I31	Cumberland	Southcentral		EV	
PA-CU-0136.0002-WX-16	S-I48, S-I50, I32, I31	Cumberland	Southcentral		EV	
PA-CU-0136.0003-RD	S-I47, I30	Cumberland	Southcentral		EV	
PA-CU-0136.0003-RD-16	S-I47, I30	Cumberland	Southcentral		EV	
PA-CU-0136.0012-RD*	No Aquatic Resources Impacted	Cumberland	Southcentral			
PA-CU-0136.0012-RD-16*	No Aquatic Resources Impacted	Cumberland	Southcentral			
PA-CU-0136.0020-RR*	No Aquatic Resources Impacted	Cumberland	Southcentral			
PA-CU-0136.0020-RR-16*	No Aquatic Resources Impacted	Cumberland	Southcentral			
PA-CU-0176.0014-RD*	No Aquatic Resources Impacted	Cumberland	Southcentral			
PA-CU-0176.0014-RD-16*	No Aquatic Resources Impacted	Cumberland	Southcentral			
PA-CU-0176.0019-RD	No Aquatic Resources Impacted	Cumberland	Southcentral			
PA-CU-0176.0019-RD-16	No Aquatic Resources Impacted	Cumberland	Southcentral			
PA-CU-0189.0000-RD	S-I43, S-I41, S-I40, I27, I26, I25	Cumberland	Southcentral			
PA-CU-0189.0000-RD-16	S-I43, S-I41, S-I40, I27, I26, I25	Cumberland	Southcentral			
PA-CU-0203.0000-WX	S-I36, S-I34, I24	Cumberland	Southcentral			
PA-CU-0203.0000-WX-16	S-I36, S-I34, I24	Cumberland	Southcentral			
PA-YO-0016.0000-RD*	No Aquatic Resources Impacted	York	Southcentral	ROW - Travel LOD		
PA-YO-0016.0000-RD-16*	No Aquatic Resources Impacted	York	Southcentral	ROW - Travel LOD		
PA-YO-0040.0002-RD	No Aquatic Resources Impacted	York	Southcentral	ROW - Travel and Clearing LOD		
PA-YO-0040.0002-RD-16	No Aquatic Resources Impacted	York	Southcentral	ROW - Travel and Clearing LOD		
PA-YO-0063.0000-RR	S-A22, A18, BB1	York	Southcentral	ROW - Travel and Clearing LOD		
PA-YO-0063.0000-RR-16	S-A22, A18, BB1	York	Southcentral	ROW - Travel and Clearing LOD		
PA-DA-0005.0000-RD	No Aquatic Resources Impacted	Dauphin	Southcentral			

PA-DA-0005.0000-RD-16	No Aquatic Resources Impacted	Dauphin	Southcentral			
PA-DA-0019.0000-RD	No Aquatic Resources Impacted	Dauphin	Southcentral			
PA-DA-0019.0000-RD-16	No Aquatic Resources Impacted	Dauphin	Southcentral			
PA-DA-0020.0000-RD	No Aquatic Resources Impacted	Dauphin	Southcentral			
PA-DA-0020.0000-RD-16	No Aquatic Resources Impacted	Dauphin	Southcentral			
PA-DA-0030.0000-RR	S-C54, S-B70	Dauphin	Southcentral	ROW - Travel and Clearing LOD		
PA-DA-0030.0000-RR-16	S-C54, S-B70	Dauphin	Southcentral	ROW - Travel and Clearing LOD		
PA-DA-0039.0000-RD	S-A75, CC22	Dauphin	Southcentral			
PA-DA-0039.0000-RD-16	S-A75, CC22	Dauphin	Southcentral			
PA-DA-0056.0000-RD*	S-B63, S-B62, S-B61, S-B60, C26, B58, B57	Dauphin	Southcentral			
PA-DA-0056.0000-RD-16*	S-B63, S-B62, S-B61, S-B60, C26, B58, B57	Dauphin	Southcentral			
PA-DA-0063.0000-RD*	No Aquatic Resources Impacted	Dauphin	Southcentral			
PA-DA-0063.0000-RD-16*	No Aquatic Resources Impacted	Dauphin	Southcentral			
PA-LE-0001.0000-SR	S-A47, S-K18, J47	Lebanon	Southcentral			
PA-LE-0001.0000-SR-16	S-A47, S-K18, J47	Lebanon	Southcentral			
PA-LE-0005.0000-RD	S-A49	Lebanon	Southcentral			
PA-LE-0005.0000-RD-16	S-A51, S-A49	Lebanon	Southcentral			
PA-LE-0009.0000-RD	No Aquatic Resources Impacted	Lebanon	Southcentral	ROW - Travel LOD		
PA-LE-0009.0000-RD-16	No Aquatic Resources Impacted	Lebanon	Southcentral	ROW - Travel LOD		
PA-LE-0055.0000-RD	S-A17	Lebanon	Southcentral			
PA-LE-0055.0000-RD-16	S-A17	Lebanon	Southcentral			
PA-LE-0117.0000-WX	S-C86, H13, H14	Lebanon	Southcentral			
PA-LE-0117.0000-WX-16	S-C86, H13, H14	Lebanon	Southcentral			
PA-LA-0004.0000-SR	S-K35, S-K34, K32	Lancaster	Southcentral		EV	
PA-LA-0004.0000-SR-16	S-K35, S-K34, K32	Lancaster	Southcentral		EV	
PA-LA-0014.0000-SR*	S-A82, S-A83, S-A79, S-A78, S-A77, A55, A54	Lancaster	Southcentral		EV	BT
PA-LA-0014.0000-SR-16*	S-A82, S-A83, S-A79, S-A78, S-A77, A55, A54	Lancaster	Southcentral		EV	BT
PA-BR-0032.0000-RD	No Aquatic Resources Impacted	Berks	Southcentral	ROW - Travel LOD		
PA-BR-0032.0000-RD-16	No Aquatic Resources Impacted	Berks	Southcentral	ROW - Travel LOD		
PA-BR-0075.0000-RD	No Aquatic Resources Impacted	Berks	Southcentral			

PA-BR-0075.0000-RD-16	No Aquatic Resources Impacted	Berks	Southcentral			
PA-BR-0079.0000-RD*	No Aquatic Resources Impacted	Berks	Southcentral			
PA-BR-0079.0000-RD-16*	No Aquatic Resources Impacted	Berks	Southcentral			
PA-BR-0138.0001-RD	Pond-B3	Berks	Southcentral	ROW - Travel and Clearing LOD		
PA-BR-0138.0001-RD-16	Pond-B3	Berks	Southcentral	ROW - Travel and Clearing LOD		
PA-BR-0181.0000-RD	S-J51, S-A58, S-A57, J48	Berks	Southcentral			
PA-BR-0181.0000-RD-16	S-J51, S-A58, S-A57, J48, A37	Berks	Southcentral			
PA-CH-0088.0000-RD	S-Q86, S-Q83, Q77	Chester	Southeast			
PA-CH-0088.0000-RD-16	S-Q86, S-Q83, Q77, Q76	Chester	Southeast			
PA-CH-0100.0000-RD	S-H10, H17	Chester	Southeast	ROW - Travel LOD		
PA-CH-0100.0000-RD-16	S-H11, S-H10, H17	Chester	Southeast	ROW - Travel LOD		
PA-CH-0111.0000-RD	S-C89, S-C90, S-C87, S-C92, C43	Chester	Southeast			
PA-CH-0111.0000-RD-16	S-C89, S-C90, S-C87, S-C91, S-C92, C43	Chester	Southeast			
PA-CH-0124.0000-RD	S-H3, S-C69, S-C68, S-C67, S-H4, C37	Chester	Southeast		EV	
PA-CH-0124.0000-RD-16	S-H3, S-C69, S-C68, S-C67, S-H4, C37	Chester	Southeast		EV	
PA-CH-0127.0000-RD	S-H5	Chester	Southeast			
PA-CH-0127.0000-RD-16	S-H5	Chester	Southeast			
PA-CH-0135.0000-RD	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0135.0000-RD-16	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0138.0000-RD	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0138.0000-RD-16	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0167.0000-RD	S-C63, S-C64	Chester	Southeast			
PA-CH-0167.0000-RD-16	S-C63, S-C64	Chester	Southeast			
PA-CH-0199.0000-RD	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0199.0000-RD-16	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0212.0000-RD*	S-C60, S-C59, S-C61	Chester	Southeast			
PA-CH-0212.0000-RD-16*	S-C60, S-C59, S-C61	Chester	Southeast			
PA-CH-0219.0000-RD	S-B81, S-B79, B71	Chester	Southeast			
PA-CH-0219.0000-RD-16	S-B81, S-B79, B71	Chester	Southeast			

PA-CH-0256.0000-RR	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0256.0000-RR-16	K21	Chester	Southeast			
PA-CH-0261.0000-RD	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0261.0000-RD-16	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0277.0000-RD	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0277.0000-RD-16	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0290.0000-RD	S-H30	Chester	Southeast			
PA-CH-0290.0000-RD-16	S-H30	Chester	Southeast			
PA-CH-0326.0000-RD*	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0326.0000-RD-16*	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0326.0004-SR	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0326.0004-SR-16	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0326.0006-RD	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0326.0006-RD-16	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0355.0000-RD	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0355.0000-RD-16	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0370.0000-RD	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0370.0000-RD-16	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0383.0003-SR	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0383.0003-SR-16	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0413.0000-RD	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0413.0000-RD-16	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0420.0000-RD	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0420.0000-RD-16	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0421.0000-RD	S-B35	Chester	Southeast			
PA-CH-0421.0000-RD-16	S-B35	Chester	Southeast			
PA-DE-0008.0000-RD	No Aquatic Resources Impacted	Delaware	Southeast			
PA-DE-0008.0000-RD-16	No Aquatic Resources Impacted	Delaware	Southeast			
PA-DE-0016.0000-RD	S-B52, S-B54, B51	Delaware	Southeast		EV	

PA-DE-0016.0000-RD-16	S-B55, S-B54	Delaware	Southeast			
PA-DE-0032.0000-RD	No Aquatic Resources Impacted	Delaware	Southeast			
PA-DE-0032.0000-RD-16	No Aquatic Resources Impacted	Delaware	Southeast			
PA-DE-0046.0000-RD	S-C40, S-C42, C21	Delaware	Southeast			
PA-DE-0046.0000-RD-16	S-C40, S-C42	Delaware	Southeast			
PA-DE-0074.0000-RD	S-C23, S-C25, S-C24, S-C26, C10	Delaware	Southeast		EV	
PA-DE-0074.0000-RD-16	S-C23, S-C25, S-C24, S-C26, C10	Delaware	Southeast		EV	
PA-DE-0100.0000-RR	S-I2, I1	Delaware	Southeast	ROW - Travel LOD	EV	
PA-DE-0100.0000-RR-16	S-I2, I1	Delaware	Southeast	ROW - Travel LOD	EV	
PA-DE-0104.0008-WX	S-H37, S-H41, S-H39	Delaware	Southeast	ROW - Travel and Clearing LOD		
PA-DE-0104.0008-WX-16	S-H37, S-H41, S-H39	Delaware	Southeast	ROW - Travel and Clearing LOD		
PA-DE-0104.0023-RR	S-I18, I16, BA5, BA6	Delaware	Southeast			
PA-DE-0104.0023-RR-16	S-I18, I16, BA5, BA6	Delaware	Southeast			
PA-DE-0104.0025-RD	S-H43, S-H44	Delaware	Southeast	ROW - Travel and Clearing LOD		
PA-DE-0104.0025-RD-16	S-H43, S-H44	Delaware	Southeast	ROW - Travel and Clearing LOD		

\*Indicates a private water well is within 150 ft of the HDD. Wells were identified using DCNR's PAGWIS data. See Water Supply Assessment Plan in Attachment 12B for additional actions related to water wells.

HDD	Aquatic Resource Crossed	County	PADEP Region	Travel and Clearing LOD/Travel LOD	EV Wetland	Bog Turtle Occupied Wetland
PA-WA-0072.0000-SR	No Aquatic Resources Impacted	Washington	Southwest			
PA-WA-0074.0000-RR	S7	Washington	Southwest			
PA-WA-0102.0000-SR	No Aquatic Resources Impacted	Washington	Southwest			
PA-WA-0103.0000-RD	S250, S16	Washington	Southwest	ROW - Travel and Clearing LOD		
PA-WA-0106.0000-SR	No Aquatic Resources Impacted	Washington	Southwest	ROW - Travel LOD		
PA-WA-0111.0000-SR	No Aquatic Resources Impacted	Washington	Southwest	ROW - Travel LOD		
PA-WA-0119.0000-RD	S129, S280	Washington	Southwest			
PA-WA-0119.0003-RD	No Aquatic Resources Impacted	Washington	Southwest			
PA-WA-0127.0000-RR	S131, S130, W43	Washington	Southwest			
PA-WA-0164.0000-RD	No Aquatic Resources Impacted	Washington	Southwest	ROW - Travel LOD		
PA-WA-0171.0000-RR	S28, S27, S142	Washington	Southwest	ROW - Travel LOD		
PA-WA-0172.0000-RD	S29	Washington	Southwest			
PA-WA-0176.0000-RR	S121	Washington	Southwest			
PA-AL-0001.0000-RR	No Aquatic Resources Impacted	Allegheny	Southwest	ROW - Travel and Clearing LOD		
PA-AL-0033.0000-RD	S163	Allegheny	Southwest			
PA-WM1-0012.0000-RR	S122, S222	Westmoreland	Southwest	ROW - Travel and Clearing LOD		
PA-WM1-0020.0000-WX	S224	Westmoreland	Southwest	ROW - Travel and Clearing LOD		
PA-WM1-0023.0000-RD	S172	Westmoreland	Southwest	ROW - Travel and Clearing LOD		
PA-WM1-0039.0000-RD	S181, S226	Westmoreland	Southwest	ROW - Travel and Clearing LOD		
PA-WM1-0042.0000-WX	S182	Westmoreland	Southwest			
PA-WM1-0044.0000-RD	S184	Westmoreland	Southwest	ROW - Travel and Clearing LOD		
PA-WM1-0054.0000-RD	S228, S227, W68	Westmoreland	Southwest			
PA-WM1-0072.0000-RD	S198	Westmoreland	Southwest	ROW - Travel and Clearing LOD		

PA-WM1-0088.0000-RR	S199	Westmoreland	Southwest	ROW - Travel and Clearing LOD		
PA-WM1-0111.0000-RD	S202, S201	Westmoreland	Southwest			
PA-WM1-0144.0000-RD	S215, W61	Westmoreland	Southwest	ROW - Travel and Clearing LOD		
PA-WM1-0157.0000-RD	No Aquatic Resources Impacted	Westmoreland	Southwest			
PA-WM2-0021.0000-RD	S-Q5, S-Q8, S-Q7, S-Q9, Q6, Q7, Q8	Westmoreland	Southwest			
PA-WM2-0021.0000-RD-16	S-Q5, S-Q8, S-Q7, S-Q9, Q6, Q7, Q8, Q4	Westmoreland	Southwest			
PA-WM2-0064.0000-WX	Pond-O4	Westmoreland	Southwest	ROW - Travel and Clearing LOD		
PA-WM2-0064.0000-WX-16	Pond-O4	Westmoreland	Southwest	ROW - Travel and Clearing LOD		
PA-WM2-0090.0000-RD	S-P20, S-P19, P13, P14, Pond-P3	Westmoreland	Southwest	ROW - Travel LOD		
PA-WM2-0090.0000-RD-16	S-P20, Pond-P3	Westmoreland	Southwest	ROW - Travel LOD		
PA-WM2-0093.0000-RD	S-O61, O45	Westmoreland	Southwest	ROW - Travel and Clearing LOD		
PA-WM2-0093.0000-RD-16	S-O61, O45	Westmoreland	Southwest	ROW - Travel and Clearing LOD		
PA-IN-0000.0001-WX	S-J55, N28, J52	Indiana	Southwest			
PA-IN-0000.0001-WX-16	S-J55, S-J56, N28	Indiana	Southwest			
PA-IN-0002.0000-RR	S-J57	Indiana	Southwest	ROW - Travel LOD		
PA-IN-0002.0000-RR-16	S-J57, P1	Indiana	Southwest	ROW - Travel LOD		
PA-IN-0019.0000-RR	S-J58, J53	Indiana	Southwest			
PA-IN-0019.0000-RR-16	S-J58, J53	Indiana	Southwest			
PA-IN-0022.0000-RD	S-O113, O77	Indiana	Southwest			
PA-IN-0022.0000-RD-16	S-O113, O77, N61	Indiana	Southwest			
PA-IN-0025.0000-RD	No Aquatic Resources Impacted	Indiana	Southwest			
PA-IN-0025.0000-RD-16	No Aquatic Resources Impacted	Indiana	Southwest			
PA-IN-0048.0000-RD	N57, N56	Indiana	Southwest			
PA-IN-0048.0000-RD-16	N57, N56	Indiana	Southwest			
PA-IN-0086.0000-RD	S-N66, N34	Indiana	Southwest		EV	
PA-IN-0086.0000-RD-16	S-N65, S-N66, N34, N35	Indiana	Southwest		EV	
PA-CA-0016.0000-RD*	S-N42, S-N41, N25, N26, N27	Cambria	Southwest			

PA-CA-0016.0000-RD-16*	S-N41, N25, N26, N27	Cambria	Southwest			
PA-CA-0023.0000-RD	S-N39, S-O43, S-N36, S-O44, N20, N24	Cambria	Southwest			
PA-CA-0023.0000-RD-16	S-N39, S-O43, S-N36, S-O44, N20, N24, O35	Cambria	Southwest			
PA-CA-0047.0000-SR	S-CC8, CC16, CC19, CC17	Cambria	Southwest	ROW - Travel LOD		
PA-CA-0047.0000-SR-16	S-CC8, CC16, CC19, CC17	Cambria	Southwest	ROW - Travel LOD		
PA-CA-0069.0000-RD	S-N34, S-N17, N18	Cambria	Southwest	ROW - Travel and Clearing LOD		
PA-CA-0069.0000-RD-16	S-N34, S-N17, N18	Cambria	Southwest	ROW - Travel and Clearing LOD		
PA-CA-0089.0000-RR	S-K33, K31	Cambria	Southwest			
PA-CA-0089.0000-RR-16	S-K33, K31	Cambria	Southwest			
PA-CA-0091.0016-RD	M59, L62	Cambria	Southwest		EV	
PA-CA-0091.0016-RD-16	M59, L62	Cambria	Southwest		EV	
PA-BL-0001.0021-RD	BB120	Blair	Southcentral	ROW - Travel LOD	EV	
PA-BL-0001.0021-RD-16	BB120	Blair	Southcentral	ROW - Travel LOD	EV	
PA-BL-0001.0027-RD	S-M69, M49, M79	Blair	Southcentral		EV	
PA-BL-0001.0027-RD-16	S-M69, M49, M79	Blair	Southcentral		EV	
PA-BL-0001.0032-RD	No Aquatic Resources Impacted	Blair	Southcentral	ROW - Travel and Clearing LOD		
PA-BL-0001.0032-RD-16	No Aquatic Resources Impacted	Blair	Southcentral	ROW - Travel and Clearing LOD		
PA-BL-0001.0048-RR	S-BB48, BB58	Blair	Southcentral	ROW - Travel and Clearing LOD	EV	
PA-BL-0001.0048-RR-16	S-BB48, BB58	Blair	Southcentral	ROW - Travel and Clearing LOD	EV	
PA-BL-0001.0094-WX	S-L77, S-L76, S-BB95, S-BB92, L55, L54, L56	Blair	Southcentral		EV	
PA-BL-0001.0094-WX-16	S-L77, S-L76, S-BB95, S-BB92, L55, L54, BB125, L56	Blair	Southcentral		EV	
PA-BL-0122.0000-WX	S-M31, S-M32, S-M38, M24, M29	Blair	Southcentral	ROW - Travel and Clearing LOD	EV	
PA-BL-0122.0000-WX-16	S-M31, S-M32, S-M38, M24, M29	Blair	Southcentral	ROW - Travel and Clearing LOD	EV	
PA-BL-0126.0000-RD	S-M33, S-M30, M26	Blair	Southcentral		EV	
PA-BL-0126.0000-RD-16	S-M33, S-M30	Blair	Southcentral			

PA-HU-0019.0002-RD	S-Y7, S-Y6, S-Y5, Y7, Y6	Huntingdon	Southcentral			
PA-HU-0019.0002-RD-16	S-Y6, S-Y5, Y7, Y6	Huntingdon	Southcentral			
PA-HU-0020.0007-RD	No Aquatic Resources Impacted	Huntingdon	Southcentral			
PA-HU-0020.0007-RD-16	No Aquatic Resources Impacted	Huntingdon	Southcentral			
PA-HU-0020.0008-SS2	S-Y3, S-Y2, S-Y1, Y1, Y3, Y2, Y4	Huntingdon	Southcentral	ROW - Travel and Clearing LOD		
PA-HU-0020.0008-SS2-16	S-Y3, S-Y2, S-Y1, Y1, Y3, Y2, Y4	Huntingdon	Southcentral	ROW - Travel and Clearing LOD		
PA-HU-0020.0008-WX	LK-2	Huntingdon	Southcentral			
PA-HU-0020.0008-WX-16	LK-2	Huntingdon	Southcentral			
PA-HU-0025.0000-RD3	No Aquatic Resources Impacted	Huntingdon	Southcentral			
PA-HU-0025.0000-RD3-16	No Aquatic Resources Impacted	Huntingdon	Southcentral			
PA-HU-0047.0000-RD	S-L46, L27	Huntingdon	Southcentral			
PA-HU-0047.0000-RD-16	S-L46, S-L45, L27, Pond I4	Huntingdon	Southcentral			
PA-HU-0078.0000-WX	S-L28, S-L29	Huntingdon	Southcentral			
PA-HU-0078.0000-WX-16	S-L28, S-L29	Huntingdon	Southcentral			
PA-HU-0106.0000-RD	S-K94, K70, K69	Huntingdon	Southcentral			
PA-HU-0106.0000-RD-16	S-K94, K70, K69	Huntingdon	Southcentral			
PA-HU-0110.0000-SR	S-K93, S-K91, K68	Huntingdon	Southcentral			
PA-HU-0110.0000-SR-16	S-K93, S-K91, K68	Huntingdon	Southcentral			
PA-JU-0004.0000-WX	S-K74, K60, K59	Juniata	Southcentral			
PA-JU-0004.0000-WX-16	S-K74, K60, K59	Juniata	Southcentral			
PA-PE-0002.0000-RD	S-L6, L2, L1	Perry	Southcentral		EV	
PA-PE-0002.0000-RD-16	S-L6, L2, L1	Perry	Southcentral		EV	
PA-CU-0015.0000-RD	S-I89, J40, I63, J40	Cumberland	Southcentral			
PA-CU-0015.0000-RD-16	S-I89, J40, I63, J40	Cumberland	Southcentral			
PA-CU-0053.0000-RD	S-BB120, W177	Cumberland	Southcentral	ROW - Travel LOD		
PA-CU-0053.0000-RD-16	S-BB120, W177	Cumberland	Southcentral	ROW - Travel LOD		
PA-CU-0062.0000-WX	S-J37A, S-J36, S-J37B, S-J41, J35, J35	Cumberland	Southcentral			
PA-CU-0062.0000-WX-16	S-J37A, S-J36, S-J37B, S-J41, J35	Cumberland	Southcentral			
PA-CU-0067.0000-RD	S-J34, J31	Cumberland	Southcentral			
PA-CU-0067.0000-RD-16	S-J34, J31	Cumberland	Southcentral			
PA-CU-0125.0001-WX	S-J18	Cumberland	Southcentral			
PA-CU-0125.0001-WX-16	S-J18	Cumberland	Southcentral			
PA-CU-0128.0000-WX	S-I53, S-I54, S-K45, K44, J9, J10	Cumberland	Southcentral			

PA-CU-0128.0000-WX-16	S-I53, S-I54, S-K45, K44, I36, J9, J10	Cumberland	Southcentral			
PA-CU-0136.0000-RD	No Aquatic Resources Impacted	Cumberland	Southcentral			
PA-CU-0136.0000-RD-16	No Aquatic Resources Impacted	Cumberland	Southcentral			
PA-CU-0136.0002-WX	S-I48, I32, I31	Cumberland	Southcentral		EV	
PA-CU-0136.0002-WX-16	S-I48, S-I50, I32, I31	Cumberland	Southcentral		EV	
PA-CU-0136.0003-RD	S-I47, I30	Cumberland	Southcentral		EV	
PA-CU-0136.0003-RD-16	S-I47, I30	Cumberland	Southcentral		EV	
PA-CU-0136.0012-RD*	No Aquatic Resources Impacted	Cumberland	Southcentral			
PA-CU-0136.0012-RD-16*	No Aquatic Resources Impacted	Cumberland	Southcentral			
PA-CU-0136.0020-RR*	No Aquatic Resources Impacted	Cumberland	Southcentral			
PA-CU-0136.0020-RR-16*	No Aquatic Resources Impacted	Cumberland	Southcentral			
PA-CU-0176.0014-RD*	No Aquatic Resources Impacted	Cumberland	Southcentral			
PA-CU-0176.0014-RD-16*	No Aquatic Resources Impacted	Cumberland	Southcentral			
PA-CU-0176.0019-RD	No Aquatic Resources Impacted	Cumberland	Southcentral			
PA-CU-0176.0019-RD-16	No Aquatic Resources Impacted	Cumberland	Southcentral			
PA-CU-0189.0000-RD	S-I43, S-I41, S-I40, I27, I26, I25	Cumberland	Southcentral			
PA-CU-0189.0000-RD-16	S-I43, S-I41, S-I40, I27, I26, I25	Cumberland	Southcentral			
PA-CU-0203.0000-WX	S-I36, S-I34, I24	Cumberland	Southcentral			
PA-CU-0203.0000-WX-16	S-I36, S-I34, I24	Cumberland	Southcentral			
PA-YO-0016.0000-RD*	No Aquatic Resources Impacted	York	Southcentral	ROW - Travel LOD		
PA-YO-0016.0000-RD-16*	No Aquatic Resources Impacted	York	Southcentral	ROW - Travel LOD		
PA-YO-0040.0002-RD	No Aquatic Resources Impacted	York	Southcentral	ROW - Travel and Clearing LOD		
PA-YO-0040.0002-RD-16	No Aquatic Resources Impacted	York	Southcentral	ROW - Travel and Clearing LOD		
PA-YO-0063.0000-RR	S-A22, A18, BB1	York	Southcentral	ROW - Travel and Clearing LOD		
PA-YO-0063.0000-RR-16	S-A22, A18, BB1	York	Southcentral	ROW - Travel and Clearing LOD		
PA-DA-0005.0000-RD	No Aquatic Resources Impacted	Dauphin	Southcentral			

PA-DA-0005.0000-RD-16	No Aquatic Resources Impacted	Dauphin	Southcentral			
PA-DA-0019.0000-RD	No Aquatic Resources Impacted	Dauphin	Southcentral			
PA-DA-0019.0000-RD-16	No Aquatic Resources Impacted	Dauphin	Southcentral			
PA-DA-0020.0000-RD	No Aquatic Resources Impacted	Dauphin	Southcentral			
PA-DA-0020.0000-RD-16	No Aquatic Resources Impacted	Dauphin	Southcentral			
PA-DA-0030.0000-RR	S-C54, S-B70	Dauphin	Southcentral	ROW - Travel and Clearing LOD		
PA-DA-0030.0000-RR-16	S-C54, S-B70	Dauphin	Southcentral	ROW - Travel and Clearing LOD		
PA-DA-0039.0000-RD	S-A75, CC22	Dauphin	Southcentral			
PA-DA-0039.0000-RD-16	S-A75, CC22	Dauphin	Southcentral			
PA-DA-0056.0000-RD*	S-B63, S-B62, S-B61, S-B60, C26, B58, B57	Dauphin	Southcentral			
PA-DA-0056.0000-RD-16*	S-B63, S-B62, S-B61, S-B60, C26, B58, B57	Dauphin	Southcentral			
PA-DA-0063.0000-RD*	No Aquatic Resources Impacted	Dauphin	Southcentral			
PA-DA-0063.0000-RD-16*	No Aquatic Resources Impacted	Dauphin	Southcentral			
PA-LE-0001.0000-SR	S-A47, S-K18, J47	Lebanon	Southcentral			
PA-LE-0001.0000-SR-16	S-A47, S-K18, J47	Lebanon	Southcentral			
PA-LE-0005.0000-RD	S-A49	Lebanon	Southcentral			
PA-LE-0005.0000-RD-16	S-A51, S-A49	Lebanon	Southcentral			
PA-LE-0009.0000-RD	No Aquatic Resources Impacted	Lebanon	Southcentral	ROW - Travel LOD		
PA-LE-0009.0000-RD-16	No Aquatic Resources Impacted	Lebanon	Southcentral	ROW - Travel LOD		
PA-LE-0055.0000-RD	S-A17	Lebanon	Southcentral			
PA-LE-0055.0000-RD-16	S-A17	Lebanon	Southcentral			
PA-LE-0117.0000-WX	S-C86, H13, H14	Lebanon	Southcentral			
PA-LE-0117.0000-WX-16	S-C86, H13, H14	Lebanon	Southcentral			
PA-LA-0004.0000-SR	S-K35, S-K34, K32	Lancaster	Southcentral		EV	
PA-LA-0004.0000-SR-16	S-K35, S-K34, K32	Lancaster	Southcentral		EV	
PA-LA-0014.0000-SR*	S-A82, S-A83, S-A79, S-A78, S-A77, A55, A54	Lancaster	Southcentral		EV	BT
PA-LA-0014.0000-SR-16*	S-A82, S-A83, S-A79, S-A78, S-A77, A55, A54	Lancaster	Southcentral		EV	BT
PA-BR-0032.0000-RD	No Aquatic Resources Impacted	Berks	Southcentral	ROW - Travel LOD		
PA-BR-0032.0000-RD-16	No Aquatic Resources Impacted	Berks	Southcentral	ROW - Travel LOD		
PA-BR-0075.0000-RD	No Aquatic Resources Impacted	Berks	Southcentral			

PA-BR-0075.0000-RD-16	No Aquatic Resources Impacted	Berks	Southcentral			
PA-BR-0079.0000-RD*	No Aquatic Resources Impacted	Berks	Southcentral			
PA-BR-0079.0000-RD-16*	No Aquatic Resources Impacted	Berks	Southcentral			
PA-BR-0138.0001-RD	Pond-B3	Berks	Southcentral	ROW - Travel and Clearing LOD		
PA-BR-0138.0001-RD-16	Pond-B3	Berks	Southcentral	ROW - Travel and Clearing LOD		
PA-BR-0181.0000-RD	S-J51, S-A58, S-A57, J48	Berks	Southcentral			
PA-BR-0181.0000-RD-16	S-J51, S-A58, S-A57, J48, A37	Berks	Southcentral			
PA-CH-0088.0000-RD	S-Q86, S-Q83, Q77	Chester	Southeast			
PA-CH-0088.0000-RD-16	S-Q86, S-Q83, Q77, Q76	Chester	Southeast			
PA-CH-0100.0000-RD	S-H10, H17	Chester	Southeast	ROW - Travel LOD		
PA-CH-0100.0000-RD-16	S-H11, S-H10, H17	Chester	Southeast	ROW - Travel LOD		
PA-CH-0111.0000-RD	S-C89, S-C90, S-C87, S-C92, C43	Chester	Southeast			
PA-CH-0111.0000-RD-16	S-C89, S-C90, S-C87, S-C91, S-C92, C43	Chester	Southeast			
PA-CH-0124.0000-RD	S-H3, S-C69, S-C68, S-C67, S-H4, C37	Chester	Southeast		EV	
PA-CH-0124.0000-RD-16	S-H3, S-C69, S-C68, S-C67, S-H4, C37	Chester	Southeast		EV	
PA-CH-0127.0000-RD	S-H5	Chester	Southeast			
PA-CH-0127.0000-RD-16	S-H5	Chester	Southeast			
PA-CH-0135.0000-RD	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0135.0000-RD-16	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0138.0000-RD	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0138.0000-RD-16	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0167.0000-RD	S-C63, S-C64	Chester	Southeast			
PA-CH-0167.0000-RD-16	S-C63, S-C64	Chester	Southeast			
PA-CH-0199.0000-RD	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0199.0000-RD-16	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0212.0000-RD*	S-C60, S-C59, S-C61	Chester	Southeast			
PA-CH-0212.0000-RD-16*	S-C60, S-C59, S-C61	Chester	Southeast			
PA-CH-0219.0000-RD	S-B81, S-B79, B71	Chester	Southeast			
PA-CH-0219.0000-RD-16	S-B81, S-B79, B71	Chester	Southeast			

PA-CH-0256.0000-RR	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0256.0000-RR-16	K21	Chester	Southeast			
PA-CH-0261.0000-RD	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0261.0000-RD-16	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0277.0000-RD	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0277.0000-RD-16	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0290.0000-RD	S-H30	Chester	Southeast			
PA-CH-0290.0000-RD-16	S-H30	Chester	Southeast			
PA-CH-0326.0000-RD*	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0326.0000-RD-16*	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0326.0004-SR	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0326.0004-SR-16	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0326.0006-RD	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0326.0006-RD-16	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0355.0000-RD	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0355.0000-RD-16	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0370.0000-RD	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0370.0000-RD-16	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0383.0003-SR	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0383.0003-SR-16	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0413.0000-RD	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0413.0000-RD-16	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0420.0000-RD	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0420.0000-RD-16	No Aquatic Resources Impacted	Chester	Southeast			
PA-CH-0421.0000-RD	S-B35	Chester	Southeast			
PA-CH-0421.0000-RD-16	S-B35	Chester	Southeast			
PA-DE-0008.0000-RD	No Aquatic Resources Impacted	Delaware	Southeast			
PA-DE-0008.0000-RD-16	No Aquatic Resources Impacted	Delaware	Southeast			
PA-DE-0016.0000-RD	S-B52, S-B54, B51	Delaware	Southeast		EV	

PA-DE-0016.0000-RD-16	S-B55, S-B54	Delaware	Southeast			
PA-DE-0032.0000-RD	No Aquatic Resources Impacted	Delaware	Southeast			
PA-DE-0032.0000-RD-16	No Aquatic Resources Impacted	Delaware	Southeast			
PA-DE-0046.0000-RD	S-C40, S-C42, C21	Delaware	Southeast			
PA-DE-0046.0000-RD-16	S-C40, S-C42	Delaware	Southeast			
PA-DE-0074.0000-RD	S-C23, S-C25, S-C24, S-C26, C10	Delaware	Southeast			EV
PA-DE-0074.0000-RD-16	S-C23, S-C25, S-C24, S-C26, C10	Delaware	Southeast			EV
PA-DE-0100.0000-RR	S-I2, I1	Delaware	Southeast	ROW - Travel LOD		EV
PA-DE-0100.0000-RR-16	S-I2, I1	Delaware	Southeast	ROW - Travel LOD		EV
PA-DE-0104.0008-WX	S-H37, S-H41, S-H39	Delaware	Southeast	ROW - Travel and Clearing LOD		
PA-DE-0104.0008-WX-16	S-H37, S-H41, S-H39	Delaware	Southeast	ROW - Travel and Clearing LOD		
PA-DE-0104.0023-RR	S-I18, I16, BA5, BA6	Delaware	Southeast			
PA-DE-0104.0023-RR-16	S-I18, I16, BA5, BA6	Delaware	Southeast			
PA-DE-0104.0025-RD	S-H43, S-H44	Delaware	Southeast	ROW - Travel and Clearing LOD		
PA-DE-0104.0025-RD-16	S-H43, S-H44	Delaware	Southeast	ROW - Travel and Clearing LOD		

\*Indicates a private water well is within 150 ft of the HDD. Wells were identified using DCNR's PAGWIS data. See Water Supply Assessment Plan in Attachment 12B for additional actions related to water wells.



## FIELD SAMPLING/TESTING ITEMS

Water samples will be collected in accordance with standard industry sampling techniques. For the purposes of this scope it will be assumed that water samples will be collected preferably from the pressure tank, but if that location is not available or accessible, then the samples will be collected from an alternate location such as an indoor tap, outdoor spigot, or free flowing pipe. Where water treatment systems are present, GES will make all reasonable attempts to collect the water sample prior to any treatment system. If unable to collect a pre-treatment sample, GES will document the conditions and collect post-treatment.

If well yield testing is completed, then additional purging of the water source is not needed before the water sample is collected. If well yield testing is not completed, then the well will be purged before sample collection. Purge volumes will be two times the pressure tank volume. If there is no pressure tank, approximately 60 gallons will be purged. If a reduced purge is requested by the landowner, a minimum of ten gallons will be purged and the reason for a reduced purge will be documented. After purging, GES will collect one sample at each well location and submit to an SXL-approved laboratory for analysis of the following:

	<b>Parameters</b>
Inorganics	pH
	Specific Conductance
	Turbidity
	Total Dissolved Solids (TDS)
	Total Suspended Solids (TSS)
	Hardness
	Anions: Bromide, Chloride, Sulfate
	Total Alkalinity
Trace Metals	Metals Analysis: (Ba, Ca, Fe, K, Mg, Mn, Na)
Organics	BTEX
	Light Gas Analysis [Methane, ethane, Propane]

Field equipment will consist of a YSI water-quality meter, turbidity meter, photo-ionization detector (PID), digital camera, hand-held GPS unit, laboratory-supplied bottleware, calibrated five-gallon bucket, tubing, hand tools, water level meter, plastic sheeting, and decontamination materials. The following items will be documented on the Field Data Survey form.

- Sketch of parcel boundaries, parcel features, and water source location
- Water use (domestic or livestock)
- Well information (if known)
  - Vented
  - Depth
  - Diameter
  - Pump Depth
  - Water Level
  - Year Well Installed
  - Seasonal Information

# **Appendix C**

## **Hydrogeological Review and Aquifer Assessment**

## Hydrogeologic Review and Aquifer Assessment

Groundwater & Environmental Services, Inc. (GES) reviewed certain information described below to identify potential Inadvertent Return (IR) problem areas. GES assembled information related to certain parameters associated with aquifers to assess the relative risk of IRs at HDDs. Of the 17 counties that the proposed Pennsylvania Pipeline Project (PPP) crosses, GES reviewed HDD profiles and supplemental information for nine of the counties where geologies representative of all HDD crossings were evaluated, which are, from west to east: Washington, Allegheny, Westmoreland, Cumberland, Huntingdon, Lebanon, Lancaster, Chester, and Delaware.

For this assignment, GES reviewed the following information:

- HDD locations from the pipeline map
- Identification of geology (i.e., underlying formation) at each HDD location, including:
  - Soils Types and Thicknesses
  - Bedrock type, thickness
  - Structural features (i.e., faults, dikes)
  - Groundwater depth, yield
  - Topography
- Identification of surface water features and classifications
  - Streams (i.e., High Quality, Exception Value, etc.)
  - Wetlands
- Identification of Water Supplies within 200 feet of the HDDs
  - Private Water Supply Wells and Springs
  - Public Water Supply Well Source Water Protection Areas

Concurrently, GES had conversations with the TetraTech design team members and with the HDD drilling contractor to ascertain the risks of potential IRs in aquifers. GES provided resources consisting of Professional Registered Geologists and geologic specialists to conduct a hydrogeologic review of pertinent project files that were made available to GES, which also included the Water Supply Plan, the Void Mitigation Plan for Karst Terrain and Underground Mining and the HDD Inadvertent Return Assessment, Preparedness, Prevention and Contingency Plan (IR Plan).

Based on previous drilling and installation experience with the ME1 pipeline, the IR risk for many of the HDDs required for the PPP was assigned as “low.” GES recommended that the IR risk be elevated to “medium” in circumstances where HDDs are advanced in karst terrain, through faulted bedrock, and in areas where ME1 experienced problematic IRs. None of the HDDs were assigned a “high” risk for an inadvertent return.

In addition to the planning undertaken to locate and design the HDDs, aquifer resources will be further protected through the implementation of the measures described in the IR Plan, the Water Supply Plan and the Void Mitigation Plan.