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Suite E-100  
Conshohocken, PA 19428  
www.aecom.com

610 832 3500 tel  
610 832 3501 fax

December 17, 2018

David Bodnar  
75 Susquehanna Street  
P.O. Box 210  
Jim Thorpe, PA 18229

**Subject: Updated Stormwater Management Analysis  
PennEast Pipeline Project  
Carbon County, Pennsylvania**

Dear David Bodnar,

On November 9, 2016, AECOM notified Carbon County that PennEast Pipeline Company, LLC had submitted Pennsylvania Chapter 105 Joint Permit Applications (JPAs) for authorization of wetland and watercourse crossings for the PennEast Pipeline Project (Project). PennEast will be submitting updated JPAs to the Pennsylvania Department of Environmental Protection (PADEP) in December 2018. In accordance with 25 Pennsylvania Code §105.13(e)(l)(v), PennEast is providing this stormwater management analysis for Project impacts within Carbon County.

**Project Description**

PennEast proposes to construct, install, and operate the Project facilities to provide approximately 1.1 million dekatherms per day (MMDth/d) of year-round natural gas transportation services from the Marcellus Shale producing region in northern Pennsylvania to markets in New Jersey, eastern and southeastern Pennsylvania, and surrounding states. The Project will include a new pipeline and aboveground facilities that will provide a new source of low cost natural gas and enhance the region's supply diversity. The Project facilities include a 36-inch diameter, 115-mile mainline pipeline extending from Luzerne County, Pennsylvania, to Mercer County, New Jersey. The Project will extend from various receipt point interconnections in the eastern Marcellus Shale region to various delivery point interconnections in the heart of major northeastern natural gas-consuming markets.

**Stormwater Management Analysis**

Within Carbon County, PennEast proposes to construct approximately 27.9 miles of 36-inch diameter pipeline, the Kidder Compressor Station, the Blue Mountain Interconnect and Mainline Block Valves 3 and 4. Approximately 0.6 mile of the pipeline is located within the Tobyhanna Creek watershed, for which an Act 167 Stormwater Management Plan has been approved. None of the proposed aboveground facilities are located within watersheds with approved Act 167 Stormwater Management Plans. A location map illustrating the location of the proposed PennEast Mainline Pipeline within Carbon County, the Kidder Compressor Station, the Blue Mountain Interconnect and Mainline Block Valves 3 and 4 is included as Attachment 1.

The pipeline facilities will be restored to pre-construction grade and revegetated following construction in accordance with PennEast's Erosion and Sediment Control Plan (E&SCP), Site Restoration Plan, and the Federal Energy Regulatory Commission's (FERC's) Upland Erosion Control, Revegetation, and Maintenance Plan. Existing drainage patterns will be maintained as practicable by restoring the pre-construction contours and restoring disturbed areas to the existing vegetation cover type or meadow. Restoration measures will include the re-establishment of original

grade and drainage patterns to the extent practicable. Erosion and sedimentation control best management practices will be maintained until final stabilization is achieved to minimize the likelihood of post-construction erosion. The rate and volume of stormwater runoff from the Project area in the post-construction condition is not expected to exceed that of the pre-construction condition. The E&SCP and Site Restoration Plan will be reviewed by the PADEP and Carbon Conservation District as part of the Erosion and Sediment Control General Permit (ESCGP) application process.

For the Kidder Compressor Station, the Blue Mountain Interconnect and Mainline Block Valves 3 and 4, where new impervious surfaces are proposed, PennEast has prepared Post-Construction Stormwater Management (PCSM) Plans and designed the PCSM facilities consistent with 25 PA Code 102.8(g)(3) requirements, which state that the post-development peak runoff rate must not exceed the pre-development peak runoff rate under any storm condition. The stormwater volume and peak runoff rate requirements will be achieved through the installation of infiltration basins, infiltration trenches, level spreaders, silting basins, and swales. The revised PCSM plans and supporting calculations will be submitted to the PADEP and Carbon Conservation District for review and approval as part of the ESCGP application process.

PennEast will continue to coordinate with the PADEP and the Carbon Conservation District regarding stormwater management best management practices to prevent an increase in the rate of stormwater runoff and minimize any increase in stormwater runoff volume. If you have any comments regarding consistency with the approved stormwater management plans, please direct comments to the PADEP Northeast Regional Office, Waterways and Wetlands Program at 2 Public Square, Wilkes-Barre, Pennsylvania 18701-1915 or call 570-826-2511.

Yours sincerely,

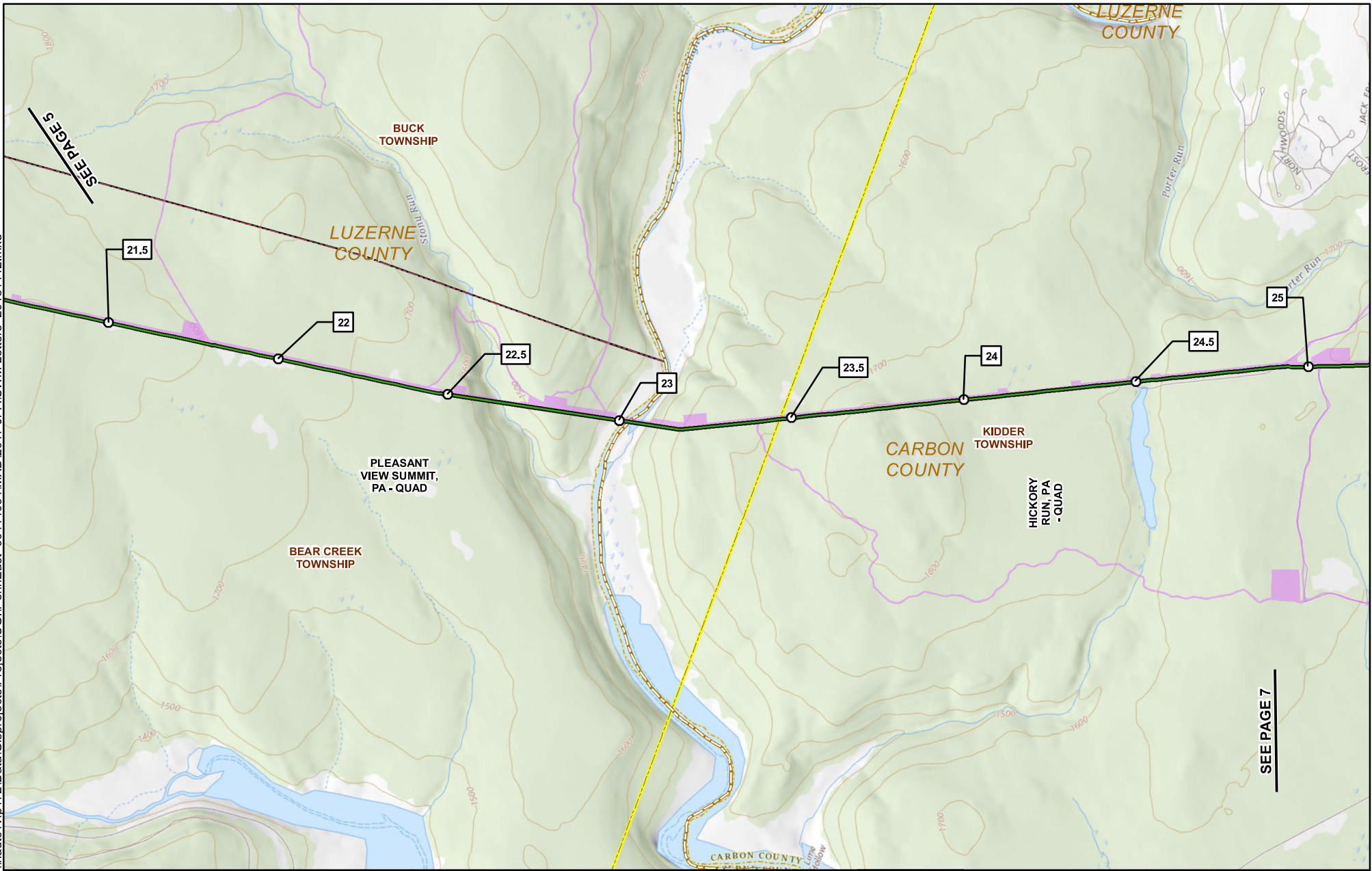
A handwritten signature in black ink that reads "Sarah K. Binckley". The signature is written in a cursive, flowing style.

Sarah K. Binckley  
AECOM

cc: Casey Monagan, UGI Energy Services  
Amber Holly, UGI Energy Services

**ATTACHMENT 1**  
**PROJECT LOCATION MAP**

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<b>1</b>	MILEPOST		PROPOSED CONSTRUCTION LIMIT
<b>1R</b>	MILEPOST (STATION EQUATION DUE TO REROUTE)		USGS QUADRANGLE BOUNDARY
	PROPOSED PERMANENT ABOVE GROUND FACILITY		TOWNSHIP BOUNDARY
	PROPOSED HELLERTOWN LATERAL		COUNTY BOUNDARY
	PROPOSED PENNEAST PIPELINE CENTERLINE		STATE BOUNDARY

## PENNEAST PIPELINE PROJECT USGS QUADRANGLE MAP

**LUZERNE & CARBON COUNTIES,  
PENNSYLVANIA**

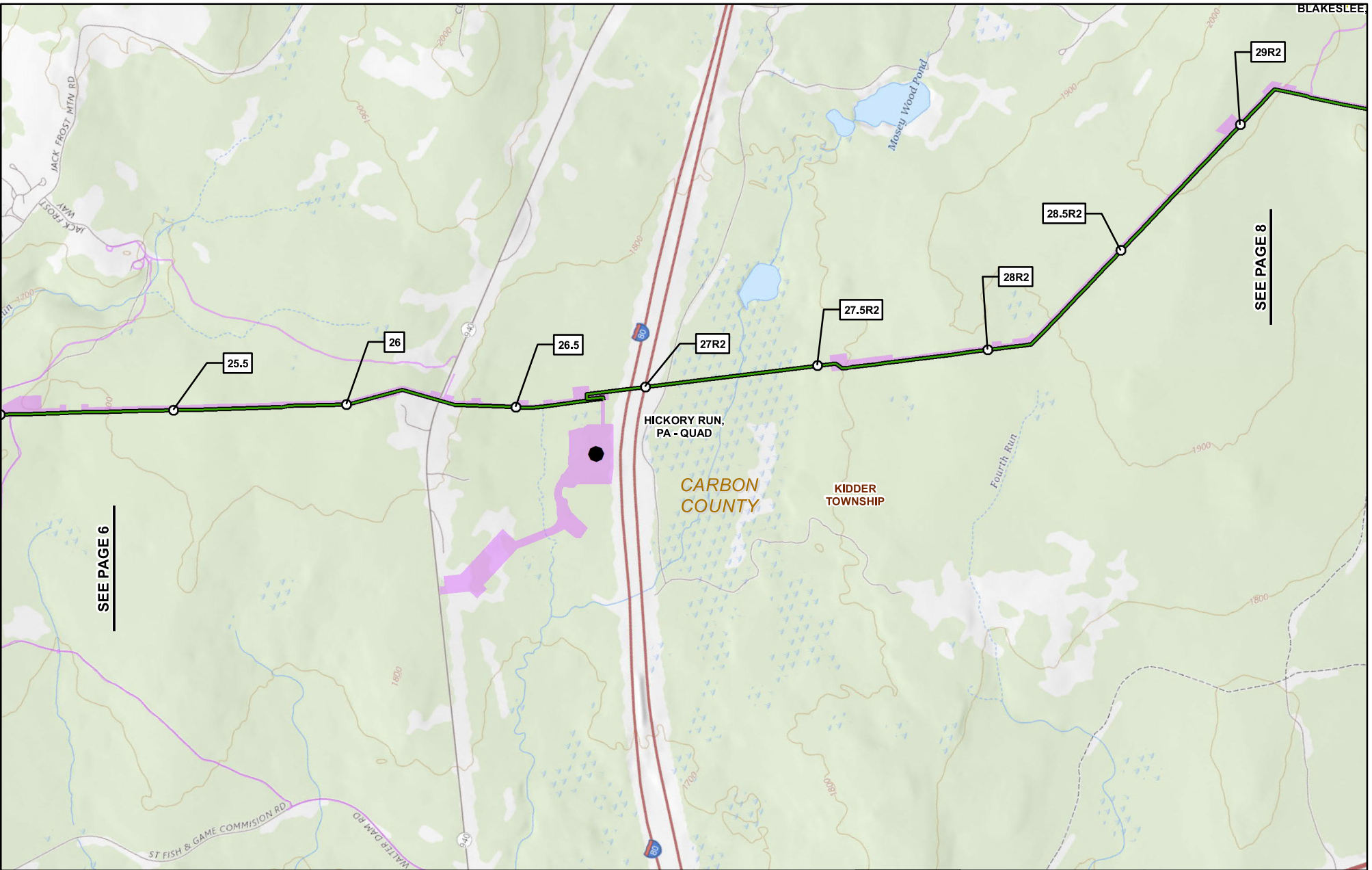


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REFERENCE SCALE:  
1 IN = 2,000 FT



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<b>REVISION:</b>
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1	MILEPOST	PROPOSED CONSTRUCTION LIMIT
1R	MILEPOST (STATION EQUATION DUE TO REROUTE)	USGS QUADRANGLE BOUNDARY
●	PROPOSED PERMANENT ABOVE GROUND FACILITY	TOWNSHIP BOUNDARY
—	PROPOSED HELLERTOWN LATERAL	COUNTY BOUNDARY
—	PROPOSED PENNEAST PIPELINE CENTERLINE	STATE BOUNDARY

## PENNEAST PIPELINE PROJECT USGS QUADRANGLE MAP

CARBON COUNTY,  
PENNSYLVANIA

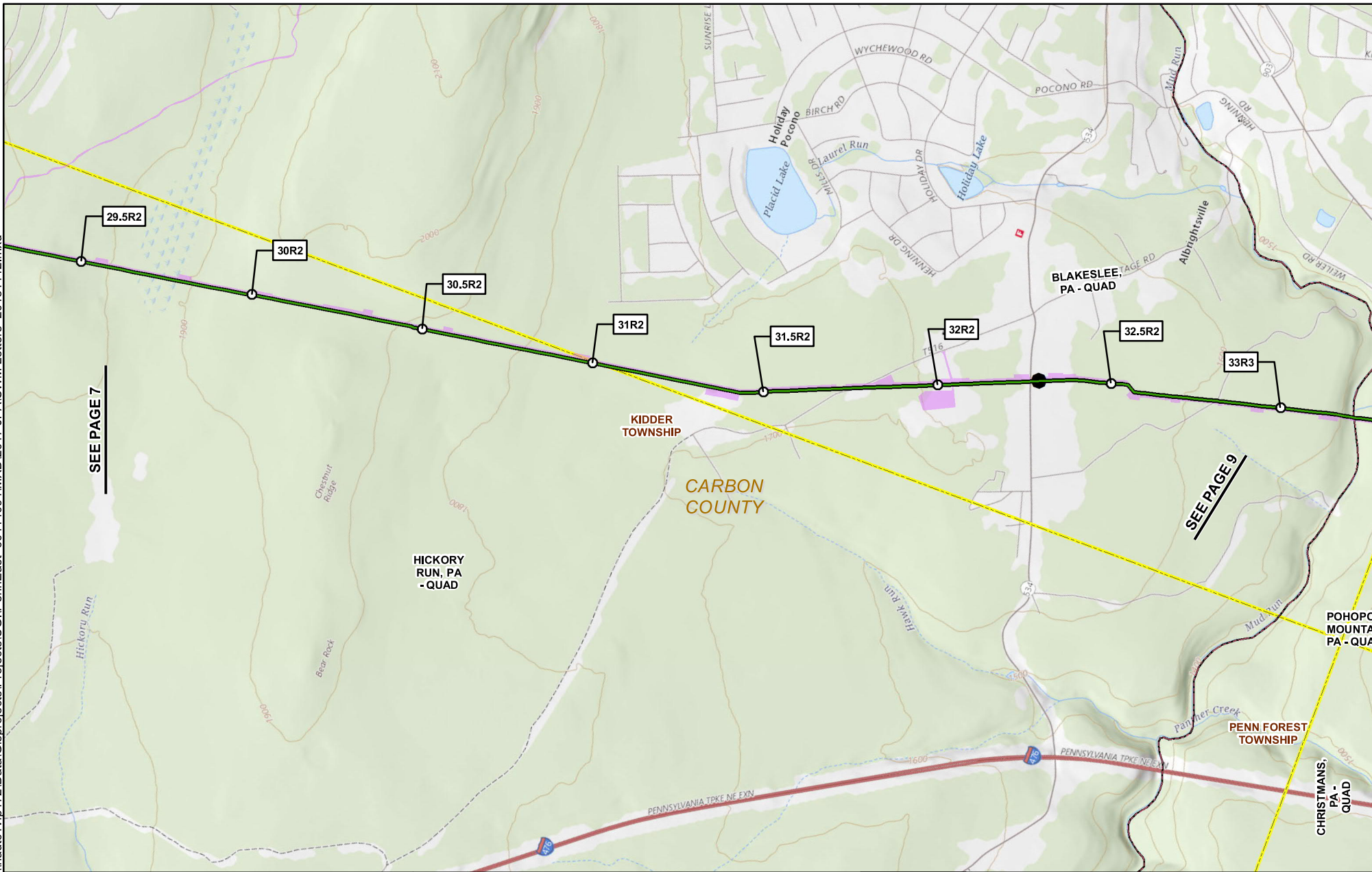


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**CARBON COUNTY,  
PENNSYLVANIA**

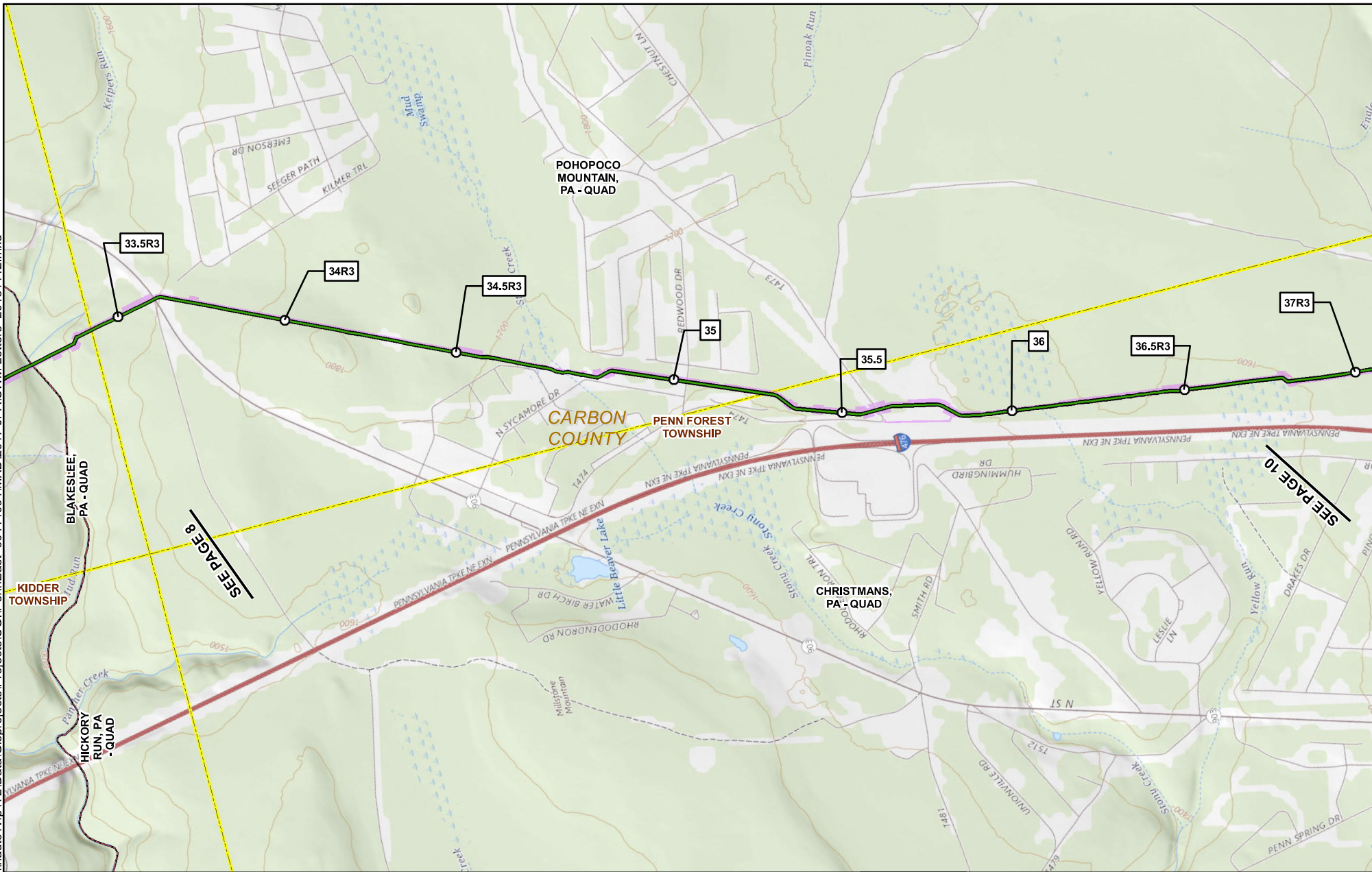


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## PENNEAST PIPELINE PROJECT USGS QUADRANGLE MAP

**CARBON COUNTY,  
PENNSYLVANIA**



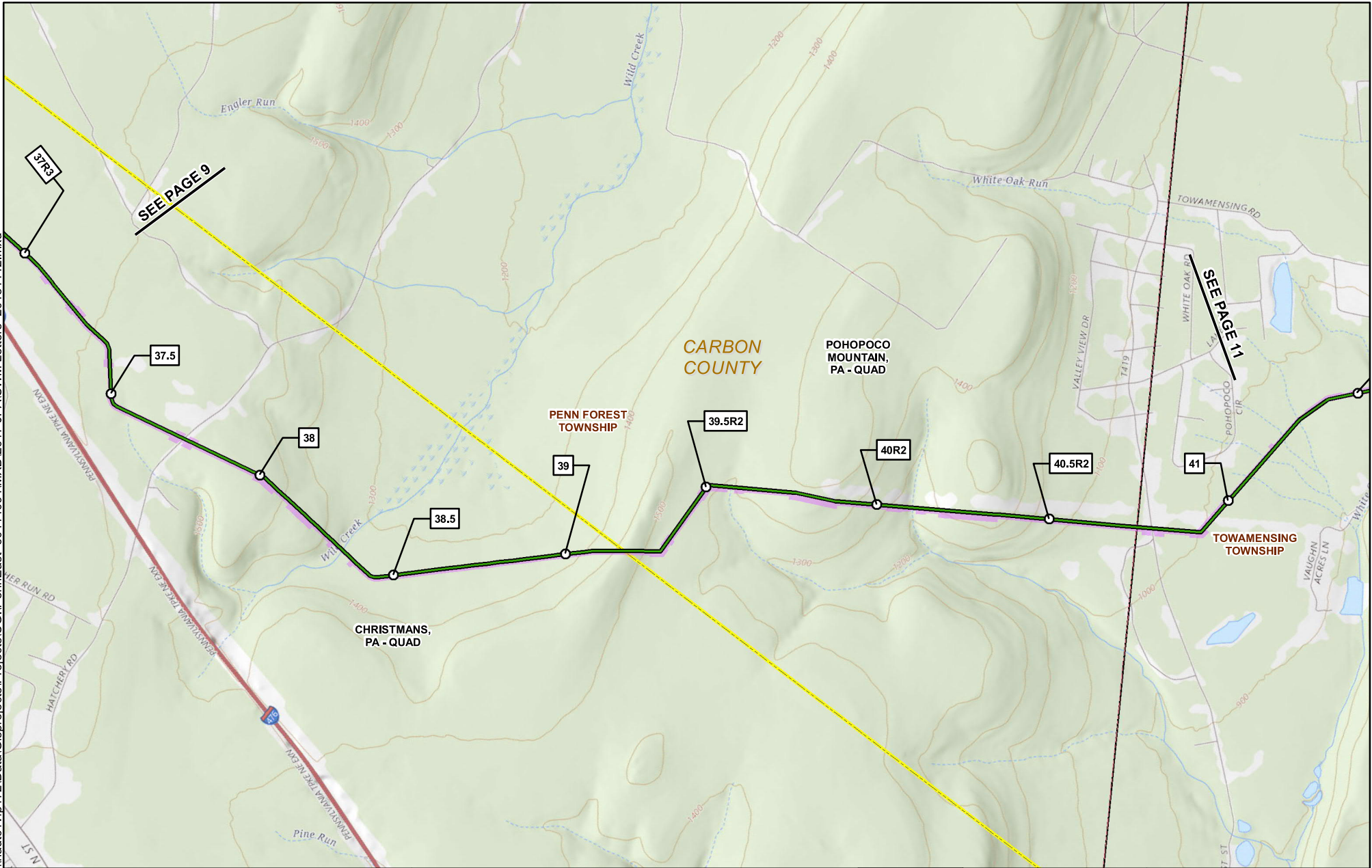
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## PENNEAST PIPELINE PROJECT USGS QUADRANGLE MAP

**CARBON COUNTY,  
PENNSYLVANIA**



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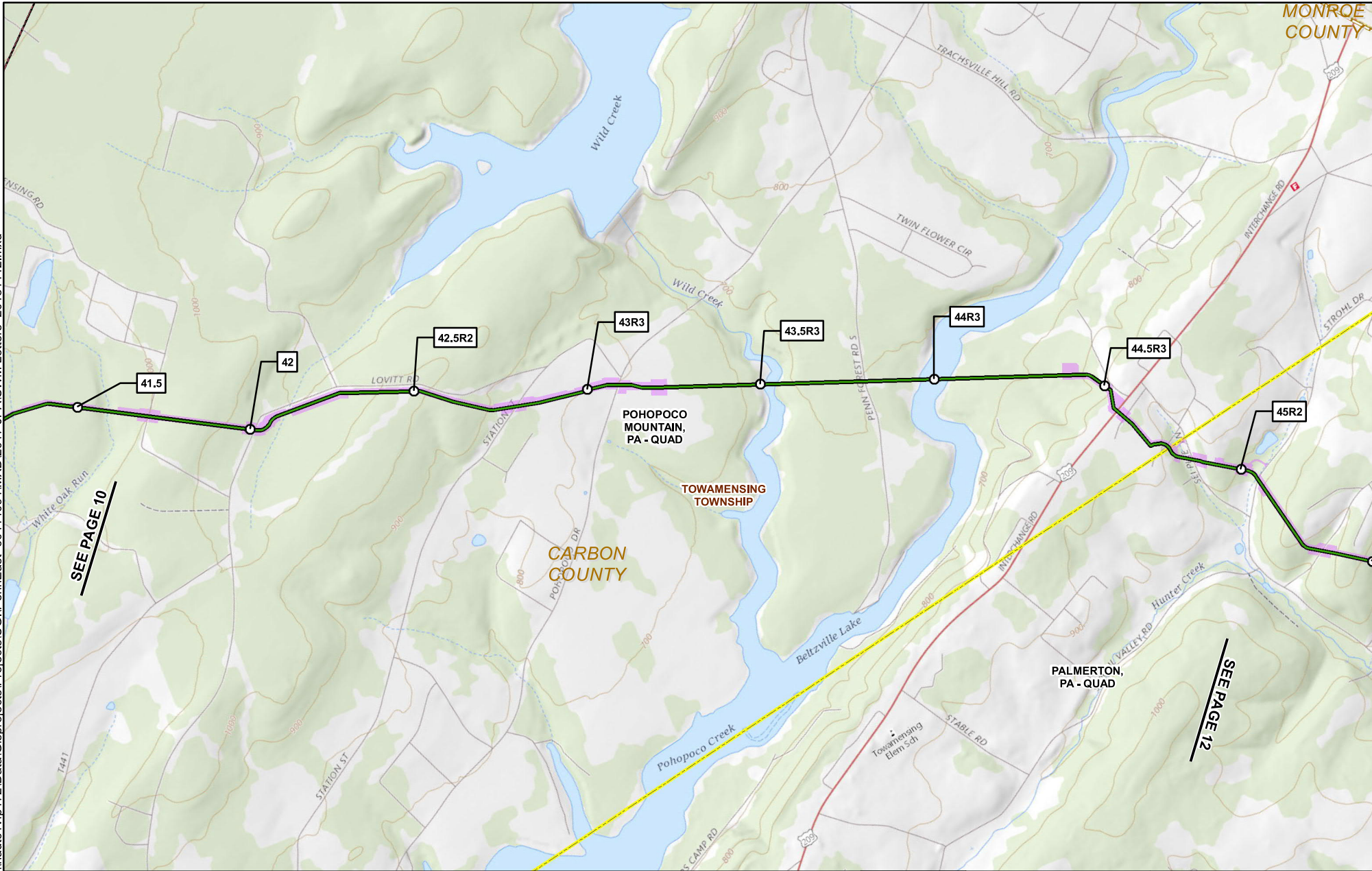
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MONROE COUNTY



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	PROPOSED PERMANENT ABOVE GROUND FACILITY		TOWNSHIP BOUNDARY
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**PENNEAST PIPELINE PROJECT  
USGS QUADRANGLE MAP**

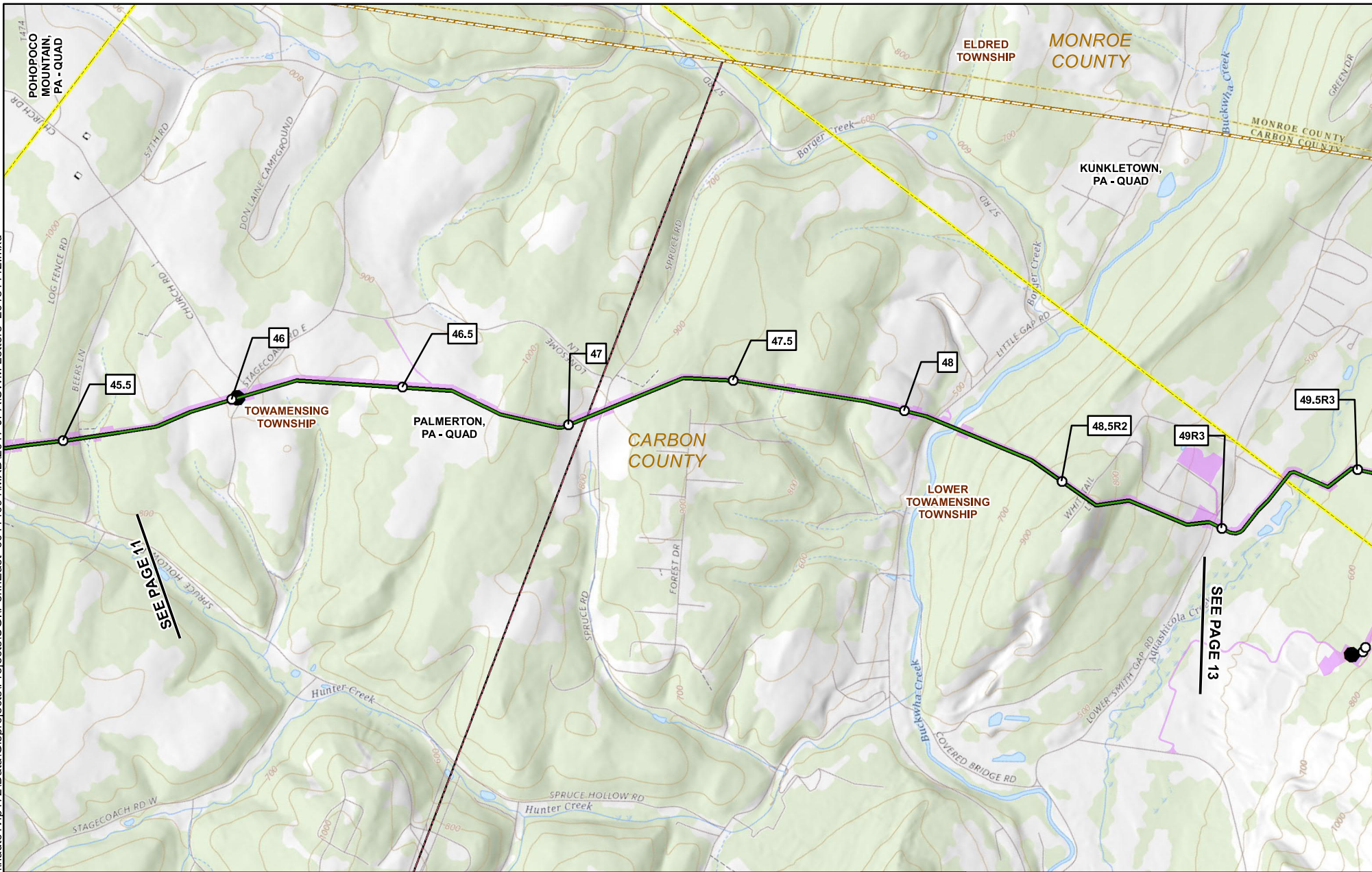
**CARBON COUNTY,  
PENNSYLVANIA**

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## PENNEAST PIPELINE PROJECT USGS QUADRANGLE MAP

**CARBON COUNTY,  
PENNSYLVANIA**

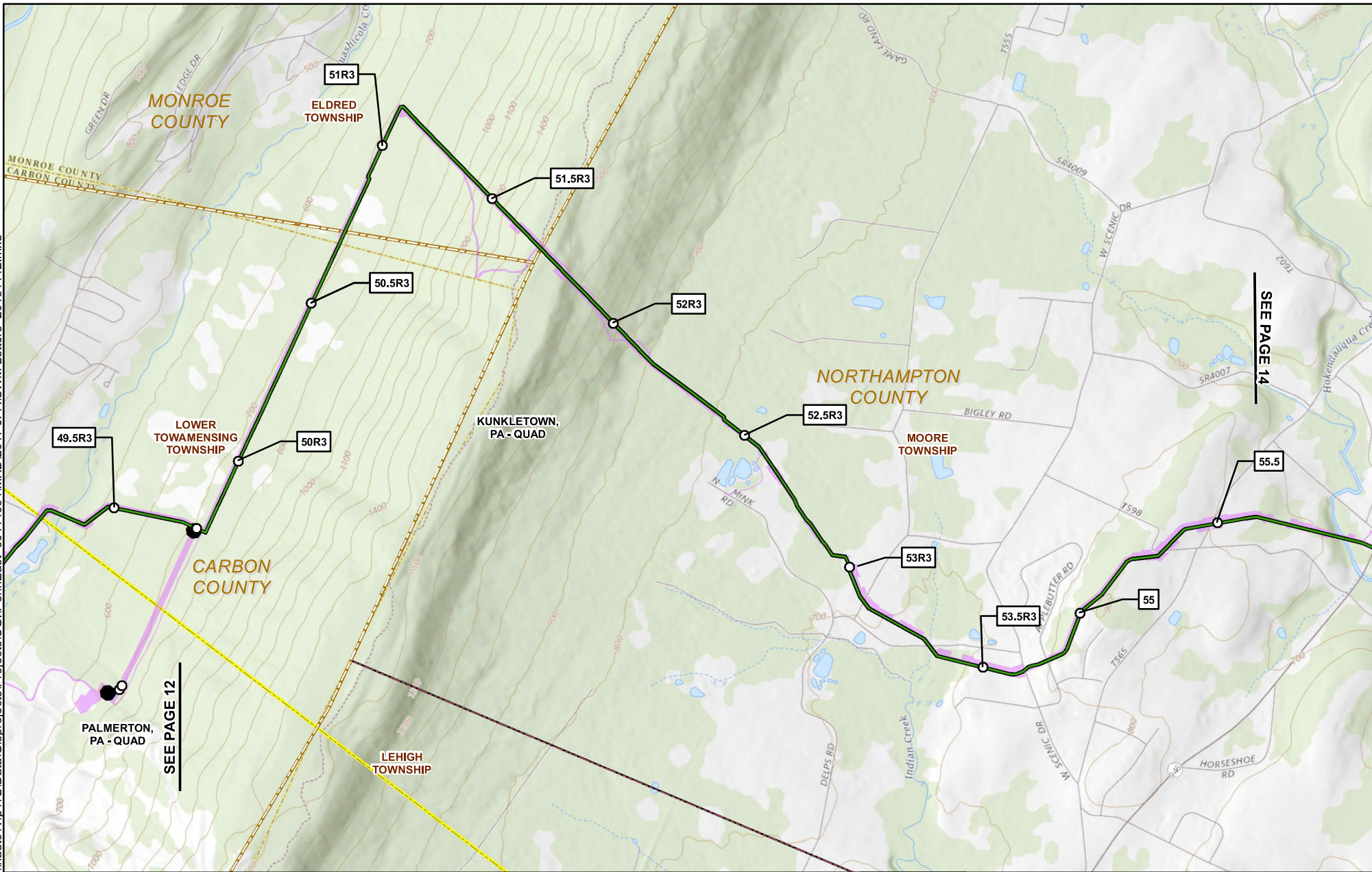


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	PROPOSED HELLERTOWN LATERAL		COUNTY BOUNDARY
	PROPOSED PENNEAST PIPELINE CENTERLINE		STATE BOUNDARY

## PENNEAST PIPELINE PROJECT USGS QUADRANGLE MAP

CARBON, MONROE, & NORTHAMPTON COUNTIES,  
PENNSYLVANIA



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Form



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

**GENERAL INFORMATION FORM – AUTHORIZATION APPLICATION**

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

<p style="text-align: center;"><b>Related ID#s (If Known)</b></p> <p>Client ID# _____ APS ID# _____</p> <p>Site ID# _____ Auth ID# _____</p> <p>Facility ID# _____</p>	<p><b>DEP USE ONLY</b></p> <p>Date Received &amp; General Notes</p>
--	---

**CLIENT INFORMATION**

DEP Client ID#	Client Type / Code			
	LLC			
Organization Name or Registered Fictitious Name		Employer ID# (EIN)	Dun & Bradstreet ID#	
PennEast Pipeline Company LLC		47-1573364		
Individual Last Name	First Name	MI	Suffix	SSN
Additional Individual Last Name	First Name	MI	Suffix	SSN
Mailing Address Line 1		Mailing Address Line 2		
1 Meridian Boulevard		Suite 2C01		
Address Last Line – City		State	ZIP+4	Country
Wyomissing		PA	19610	USA
Client Contact Last Name	First Name	MI	Suffix	
Holly	Amber			
Client Contact Title		Phone	Ext	
Environmental Project Manager		610-373-7999	1172	
Email Address		FAX		
aholly@ugies.com				

**SITE INFORMATION**

DEP Site ID#	Site Name				
	PennEast Pipeline Project				
EPA ID#	Estimated Number of Employees to be Present at Site				
<b>Description of Site</b>					
Proposed natural gas pipeline right-of-way and the associated temporary workspace, compressor station, appurtenant facilities, access roads, staging areas, and wareyards necessary to construct the Project. Additional site description information is provided in JPA Section J - Project Narrative.					
County Name	Municipality	City	Boro	Twp	State
Luzerne, Carbon, Monroe, Northampton, and Bucks	(Luzerne:) Bear Creek Twp, Dallas Twp, Jenkins Twp, Kingston Twp, Plains Twp, West Wyoming Borough, Wyoming Borough, (Carbon:) Kidder Twp, Lower Towamensing Twp, Penn Forest Twp, Towamensing Twp, (Monroe:) Eldred Twp, (Northampton:) Bethlehem Twp, East Allen Twp, Easton City, Lower Nazareth Twp, Lower Saucon Twp, Moore Twp, Upper Nazareth Twp, Williams Twp, (Bucks:) Durham Twp, Riegelsville Borough	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	PA
County Name	Municipality	City	Boro	Twp	State
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Site Location Line 1</b>		<b>Site Location Line 2</b>			
The PA portion of the PennEast Mainline Pipeline begins in Dallas Twp, Luzerne County and extends to Durham		The Hellertown Lateral is located in Lower Saucon Twp, Northampton County. Additional site location information			

Twp, Bucks County. Additional site location information is provided in JPA Section J - Project Narrative.

Site Location Last Line – City State ZIP+4

**Detailed Written Directions to Site**

From Wilkes-Barre: head north on PA-309. At the intersection with State Route 415, bear right to continue on State Route 309/Tunkhannock Highway. After 1 mile, turn right on Upper Demunds Road. Immediately turn right on Hildebrandt Road. After 0.7 mile, turn right onto an unnamed road and follow 0.25 mile to the Wyoming Interconnect and the start of the PennEast Mainline. The entry and exit location for each county crossed by the Project is provided in JPA Section J - Project Narrative.

<b>Site Contact Last Name</b> Holly		<b>First Name</b> Amber	<b>MI</b>	<b>Suffix</b>
<b>Site Contact Title</b> Environmental Project Manager		<b>Site Contact Firm</b> UGI Energy Services, LLC		
<b>Mailing Address Line 1</b> 1 Meridian Boulevard		<b>Mailing Address Line 2</b> Suite 2C01		
<b>Mailing Address Last Line – City</b> Wyomissing		<b>State</b> PA	<b>ZIP+4</b> 19610	
<b>Phone</b> 610-373-7999	<b>Ext</b> 1172	<b>FAX</b>	<b>Email Address</b> aholly@ugies.com	
<b>NAICS Codes</b> (Two- & Three-Digit Codes – List All That Apply) 22, 23, 48			<b>6-Digit Code</b> (Optional) 221210, 237120, 486210	
<b>Client to Site Relationship</b> OWNOP				

**FACILITY INFORMATION**

<b>Modification of Existing Facility</b>		<b>Yes</b>	<b>No</b>
1.	Will this project modify an existing facility, system, or activity?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2.	Will this project involve an addition to an existing facility, system, or activity?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<i>If "Yes", check all relevant facility types and provide DEP facility identification numbers below.</i>			

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

<b>Latitude/Longitude Point of Origin</b>	<b>Latitude</b>			<b>Longitude</b>		
	<b>Degrees</b>	<b>Minutes</b>	<b>Seconds</b>	<b>Degrees</b>	<b>Minutes</b>	<b>Seconds</b>
Station 0+00	41	20	48	75	56	43
<b>Horizontal Accuracy Measure</b>	Feet			--or-- Meters		
<b>Horizontal Reference Datum Code</b>	<input type="checkbox"/> North American Datum of 1927 <input type="checkbox"/> North American Datum of 1983 <input checked="" type="checkbox"/> World Geodetic System of 1984					
<b>Horizontal Collection Method Code</b>	GISDR					
<b>Reference Point Code</b>	CENTER					
<b>Altitude</b>	Feet 1280			--or-- Meters		
<b>Altitude Datum Name</b>	<input type="checkbox"/> The National Geodetic Vertical Datum of 1929 <input checked="" type="checkbox"/> The North American Vertical Datum of 1988 (NAVD88)					

<b>Altitude (Vertical) Location Datum Collection Method Code</b>	TOPO		
<b>Geometric Type Code</b>	POINT		
<b>Data Collection Date</b>	12/08/2018		
<b>Source Map Scale Number</b>	1	Inch(es)	= 2000 Feet
	--or--	Centimeter(s)	= Meters

**PROJECT INFORMATION**

**Project Name**  
PennEast Pipeline Project

**Project Description**  
See Project Description in JPA Section J

<b>Project Consultant Last Name</b>	<b>First Name</b>	<b>MI</b>	<b>Suffix</b>
Binckley	Sarah	K	

**Project Consultant Title**  
Project Manager

**Consulting Firm**  
AECOM

<b>Mailing Address Line 1</b>	<b>Mailing Address Line 2</b>	
625 West Ridge Pike	Suite E-100	
<b>Address Last Line - City</b>	<b>State</b>	<b>ZIP+4</b>
Conshohocken	PA	19428

<b>Phone</b>	<b>Ext</b>	<b>FAX</b>	<b>Email Address</b>
610-832-2713		610-832-3501	sarah.binckley@aecom.com

<b>Time Schedules</b>	<b>Project Milestone (Optional)</b>
09/2015	PennEast submitted FERC Application for Certificate of Public Convenience and Necessity
02/2016 - 03/2016	PennEast submitted PADEP Joint Permit Applications and ESCGP-2 applications
01/2018	Received FERC Certificate of Public Convenience and Necessity
12/2018	PennEast submits revised Joint Permit Applications and ESCGP-3 applications

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

**LAND USE INFORMATION**

**Note:** Applicants are encouraged to submit copies of local land use approvals or other evidence of compliance with local comprehensive plans and zoning ordinances.

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

## COORDINATION INFORMATION

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

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

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

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

3.0	Will your project, activity, or authorization have anything to do with a well related to oil or gas production, have construction within 200 feet of, affect an oil or gas well, involve the waste from such a well, or string power lines above an oil or gas well? If "Yes", respond to 3.1-3.3. If "No", skip to Question 4.0.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
3.1	Does the oil- or gas-related project involve any of the following: placement of fill, excavation within or placement of a structure, located in, along, across or projecting into a watercourse, floodway or body of water (including wetlands)?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
3.2	Will the oil- or gas-related project involve discharge of industrial wastewater or stormwater to a dry swale, surface water, ground water or an existing sanitary sewer system or storm water system? If "Yes", discuss in <i>Project Description</i> .	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
3.3	Will the oil- or gas-related project involve the construction and operation of industrial waste treatment facilities?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
4.0	Will the project involve a construction activity that results in earth disturbance? If "Yes", specify the total disturbed acreage. 4.0.1 Total Disturbed Acreage 1289.4	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
5.0	Does the project involve any of the following? If "Yes", respond to 5.1-5.3. If "No", skip to Question 6.0.	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
5.1	Water Obstruction and Encroachment Projects – Does the project involve any of the following: placement of fill, excavation within or placement of a structure, located in, along, across or projecting into a watercourse, floodway or body of water?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
5.2	Wetland Impacts – Does the project involve any of the following: placement of fill, excavation within or placement of a structure, located in, along, across or projecting into a wetland?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
5.3	Floodplain Projects by the commonwealth, a Political Subdivision of the commonwealth or a Public Utility – Does the project involve any of the following: placement of fill, excavation within or placement of a structure, located in, along, across or projecting into a floodplain?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
6.0	Will the project involve discharge of stormwater or wastewater from an industrial activity to a dry swale, surface water, ground water or an existing sanitary sewer system or separate storm water system?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
7.0	Will the project involve the construction and operation of industrial waste treatment facilities?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
8.0	Will the project involve construction of sewage treatment facilities, sanitary sewers, or sewage pumping stations? If "Yes", indicate estimated proposed flow (gal/day). Also, discuss the sanitary sewer pipe sizes and the number of pumping stations/treatment facilities/name of downstream sewage facilities in the <i>Project Description</i> , where applicable. 8.0.1 Estimated Proposed Flow (gal/day)	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
9.0	Will the project involve the subdivision of land, or the generation of 800 gpd or more of sewage on an existing parcel of land or the generation of an additional 400 gpd of sewage on an already-developed parcel, or the generation of 800 gpd or more of industrial wastewater that would be discharged to an existing sanitary sewer system? 9.0.1 Was Act 537 sewage facilities planning submitted and approved by DEP? If "Yes" attach the approval letter. Approval required prior to 105/NPDES approval.	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
10.0	Is this project for the beneficial use of biosolids for land application within Pennsylvania? If "Yes" indicate how much (i.e. gallons or dry tons per year). 10.0.1 Gallons Per Year (residential septage) _____ 10.0.2 Dry Tons Per Year (biosolids) _____	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
11.0	Does the project involve construction, modification or removal of a dam? If "Yes", identify the dam. 11.0.1 Dam Name	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No

12.0	Will the project interfere with the flow from, or otherwise impact, a dam? If "Yes", identify the dam.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
12.0.1	Dam Name				
13.0	Will the project involve operations (excluding during the construction period) that produce air emissions (i.e., NOX, VOC, etc.)? If "Yes", identify each type of emission followed by the amount of that emission.	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
13.0.1	Enter all types & amounts of emissions; separate each set with semicolons.	The Project operational total Potential to Emit (PTE) in tons per year includes: NOx – 141; CO – 141; SO2 – 5.8; PM10 – 28; PM2.5 – 28; VOC – 13; GHG – 260,800; CH2O – 3.9; Total HAPs – 5.1			
14.0	Does the project include the construction or modification of a drinking water supply to serve 15 or more connections or 25 or more people, at least 60 days out of the year? If "Yes", check all proposed sub-facilities.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
14.0.1	Number of Persons Served				
14.0.2	Number of Employee/Guests				
14.0.3	Number of Connections				
14.0.4	Sub-Fac: Distribution System	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
14.0.5	Sub-Fac: Water Treatment Plant	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
14.0.6	Sub-Fac: Source	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
14.0.7	Sub-Fac: Pump Station	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
14.0.8	Sub Fac: Transmission Main	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
14.0.9	Sub-Fac: Storage Facility	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
15.0	Will your project include infiltration of storm water or waste water to ground water within one-half mile of a public water supply well, spring or infiltration gallery?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
16.0	Is your project to be served by an existing public water supply? If "Yes", indicate name of supplier and attach letter from supplier stating that it will serve the project.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
16.0.1	Supplier's Name				
16.0.2	Letter of Approval from Supplier is Attached	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
17.0	Will this project involve a new or increased drinking water withdrawal from a stream or other water body? If "Yes", should reference both Water Supply and Watershed Management.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
17.0.1	Stream Name				
18.0	Will the construction or operation of this project involve treatment, storage, reuse, or disposal of waste? If "Yes", indicate what type (i.e., hazardous, municipal (including infectious & chemotherapeutic), residual) and the amount to be treated, stored, re-used or disposed.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
18.0.1	Type & Amount				
19.0	Will your project involve the removal of coal, minerals, etc. as part of any earth disturbance activities?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
20.0	Does your project involve installation of a field constructed underground storage tank? If "Yes", list each Substance & its Capacity. <b>Note:</b> Applicant may need a Storage Tank Site Specific Installation Permit.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
20.0.1	Enter all substances & capacity of each; separate each set with semicolons.				
21.0	Does your project involve installation of an aboveground storage tank greater than 21,000 gallons capacity at an existing facility? If "Yes", list each Substance & its Capacity. <b>Note:</b> Applicant may need a Storage Tank Site Specific Installation Permit.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
21.0.1	Enter all substances & capacity of each; separate each set with semicolons.				

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

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

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

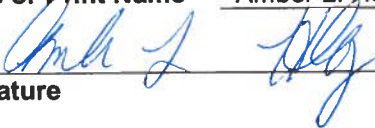
23.0.1 Enter all substances & capacity of each; separate each set with semicolons.

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

**CERTIFICATION**

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

Type or Print Name Amber L. Holly



Environmental Project Manager

Signature

Title

12/10/18

Date

Subject:

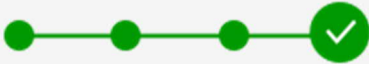
FW: FedEx Shipment 773978570338 Delivered



# Your package has been delivered

Tracking # 773978570338

Ship date: <b>Mon, 12/17/2018</b>	Delivery date: <b>Tue, 12/18/2018 12:43 pm</b>
<b>Sarah Binckley</b> AECOM CONSHOHOCKEN, PA 19428 US	<b>David Bodnar</b> Carbon County 76 Susquehanna Street PO Box 210 JIM THORPE, PA 18229 US

  
**Delivered**

## Shipment Facts

Our records indicate that the following package has been delivered.

<b>Tracking number:</b>	<a href="#">773978570338</a>
<b>Status:</b>	Delivered: 12/18/2018 12:43 PM Signed for By: J.HUNSICKER
<b>Reference:</b>	60414094. 20000363.00035.08.
<b>Signed for by:</b>	J.HUNSICKER
<b>Delivery location:</b>	JIM THORPE, 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>	Deliver Weekday
<b>Standard transit:</b>	12/18/2018 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 11:46 AM CST on 12/18/2018.

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.



625 West Ridge Pike  
Suite E-100  
Conshohocken, PA 19428  
www.aecom.com

610 832 3500 tel  
610 832 3501 fax

December 17, 2018

Lisa M. Klem  
10 Lake Harmony Road  
Lake Harmony, PA 18624

**Subject: Updated Stormwater Management Analysis  
PennEast Pipeline  
Carbon County, Pennsylvania**

Dear Lisa Klem,

On November 9, 2016, AECOM notified Kidder Township that PennEast Pipeline Company, LLC had submitted Pennsylvania Chapter 105 Joint Permit Applications (JPAs) for authorization of wetland and watercourse crossings for the PennEast Pipeline Project (Project). PennEast will be submitting updated JPAs to the Pennsylvania Department of Environmental Protection (PADEP) in December 2018. In accordance with 25 Pennsylvania Code §105.13(e)(l)(v), PennEast is providing this stormwater management analysis for Project impacts within Kidder Township.

**Project Description**

PennEast proposes to construct, install, and operate the Project facilities to provide approximately 1.1 million dekatherms per day (MMDth/d) of year-round natural gas transportation services from the Marcellus Shale producing region in northern Pennsylvania to markets in New Jersey, eastern and southeastern Pennsylvania, and surrounding states. The Project will include a new pipeline and aboveground facilities that will provide a new source of low cost natural gas and enhance the region's supply diversity. The Project facilities include a 36-inch diameter, 115-mile mainline pipeline extending from Luzerne County, Pennsylvania, to Mercer County, New Jersey. The Project will extend from various receipt point interconnections in the eastern Marcellus Shale region to various delivery point interconnections in the heart of major northeastern natural gas-consuming markets.

**Stormwater Management Analysis**

Within Kidder Township, PennEast proposes to construct approximately 10.2 miles of 36-inch diameter pipeline, the Kidder Compressor Station, and Mainline Block Valve 3. Approximately 0.6 miles of the proposed pipeline will be located within the Tobyhanna Creek watershed, for which an Act 167 Stormwater Management Plan has been approved. The remaining 9.6 miles of proposed pipeline, the Kidder Compressor Station, and Mainline Block Valve 3 are sited within watersheds that do not have approved Act 167 Stormwater Management Plans. A location map illustrating the location of the proposed PennEast Mainline Pipeline, the Kidder Compressor Station, and Mainline Block Valve 3, proposed within Kidder Township, is included as Attachment 1.

The pipeline facilities will be restored to pre-construction grade and revegetated following construction in accordance with PennEast's Erosion and Sediment Control Plan (E&SCP), Site Restoration Plan, and the Federal Energy Regulatory Commission's (FERC's) Upland Erosion Control, Revegetation and Maintenance Plan. Existing drainage patterns will be maintained as feasible by utilizing the existing contours or restoring any disturbed area to the existing condition or meadow. Restoration measures will include the re-establishment of original grade and drainage patterns to the extent practicable. Erosion and sedimentation control best management practices will be maintained until final stabilization is achieved to minimize the likelihood of post-construction erosion. The rate and volume of stormwater runoff from the Project area in the post-construction



condition is not expected to exceed that of the pre-construction condition. The E&SCP and Site Restoration Plan will be reviewed by the PADEP and Carbon Conservation District as part of the Erosion and Sediment Control General Permit (ESCGP) application process.

For the Kidder Compressor Station and Mainline Block Valve 3, where new impervious surfaces are proposed, PennEast has prepared a Post-Construction Stormwater Management (PCSM) Plan and designed the PCSM facilities consistent with Pennsylvania Code §102.8(g)(3) requirements, which state that the post-development peak runoff rate must not exceed the pre-development peak runoff rate under any storm condition. The stormwater volume and peak runoff rate requirements will be achieved through the installation of infiltration basins, an infiltration trench, swales, and stilling basins. The revised PCSM plans and supporting calculations will be submitted to the PADEP and Carbon Conservation District for review and approval as part of the ESCGP application process.

Through compliance with the requirements of Pennsylvania Code §102.8, the PCSM plan for the Kidder Compressor Station also meets the requirements of Kidder Township Code under Chapter 153 – Subdivision and Land Development. PennEast is working with the Township and is engaged in the Township’s zoning and land development process. On September 19, 2016, PennEast filed an application with the Zoning Hearing Board for approval of a special exception for the proposed compressor station. Stormwater management is addressed in the application narrative, site plans, and Environmental Impact Statement. A land development plan, including a stormwater management report, was submitted for Township and County Planning Commission review, and the plan approval was ratified by the Kidder Township Board of Supervisors on April 19, 2018.

PennEast will continue to coordinate with the PADEP and the Carbon Conservation District regarding stormwater management best management practices to prevent an increase in the rate of stormwater runoff and minimize any increase in stormwater runoff volume. If you have any comments regarding consistency with the approved stormwater management plans, please direct comments to the PADEP Northeast Regional Office, Waterways and Wetlands Program at 2 Public Square, Wilkes-Barre, Pennsylvania 18701-1915 or call 570-826-2511.

Yours sincerely,

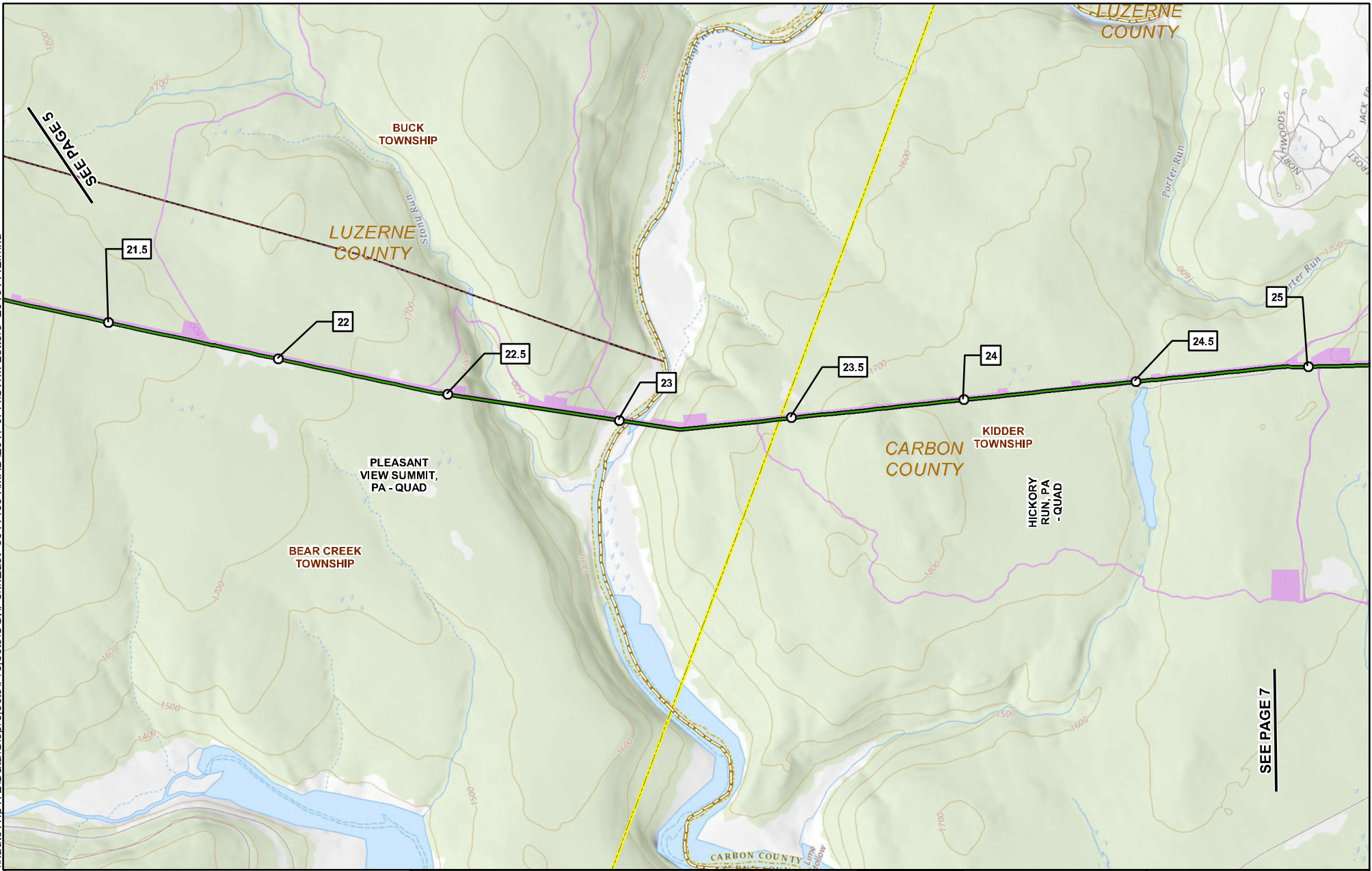
A handwritten signature in black ink that reads "Sarah K. Binckley". The signature is written in a cursive, flowing style.

Sarah K. Binckley  
AECOM

cc: Casey Monagan, UGI Energy Services  
Amber Holly, UGI Energy Services

**ATTACHMENT 1**  
**PROJECT LOCATION MAP**

\\nadc1vfp172\Data\Gis\projects\Projects\UG\PennEast\_60414094\MXD\2017\_JPA\SWM Letters 20181112.mxd



SEE PAGE 5

SEE PAGE 7

<b>1</b>	MILEPOST		PROPOSED CONSTRUCTION LIMIT
<b>1R</b>	MILEPOST (STATION EQUATION DUE TO REROUTE)		USGS QUADRANGLE BOUNDARY
	PROPOSED PERMANENT ABOVE GROUND FACILITY		TOWNSHIP BOUNDARY
	PROPOSED HELLERTOWN LATERAL		COUNTY BOUNDARY
	PROPOSED PENNEAST PIPELINE CENTERLINE		STATE BOUNDARY

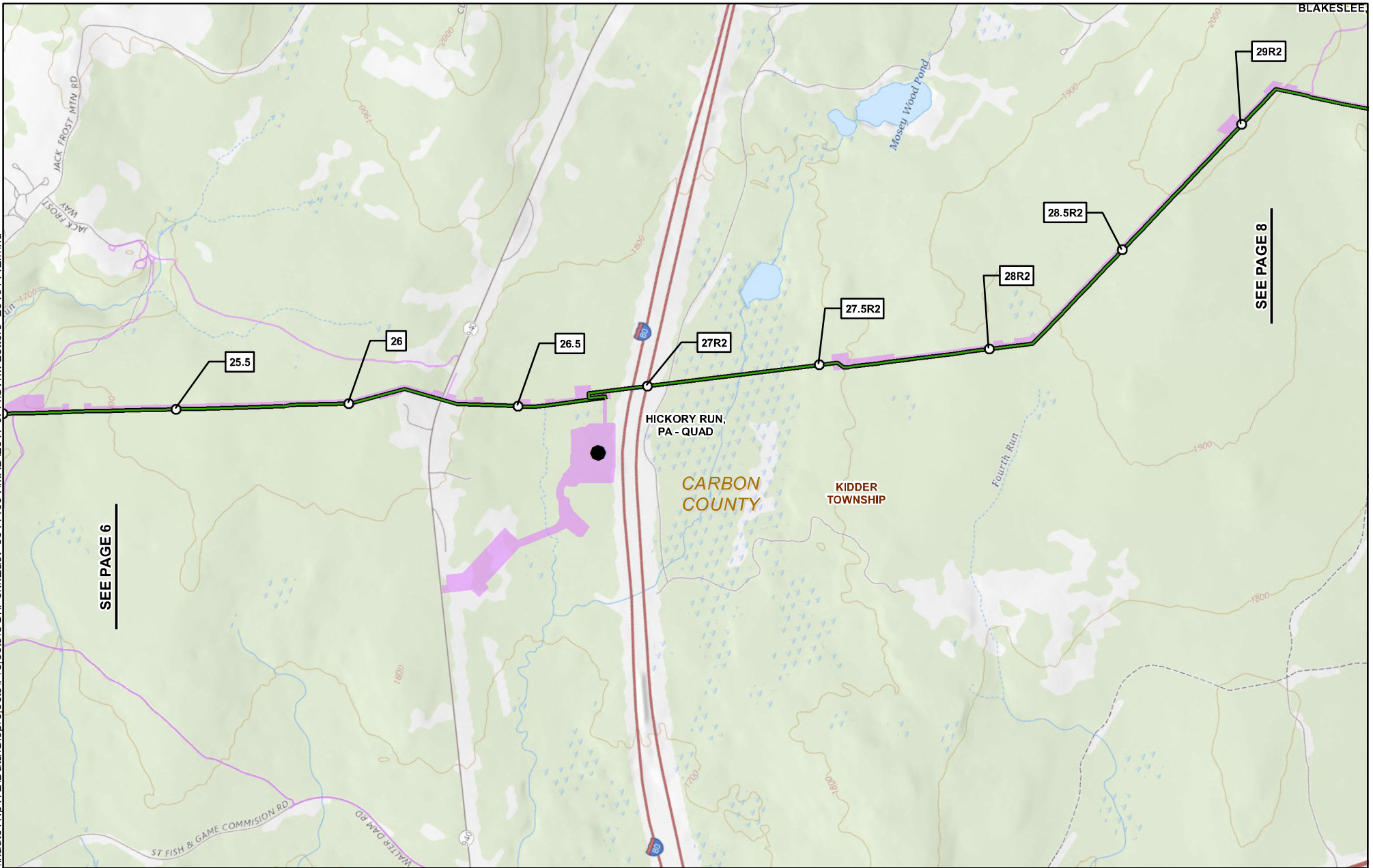
**PENNEAST PIPELINE PROJECT**  
**USGS QUADRANGLE MAP**

**LUZERNE & CARBON COUNTIES,  
 PENNSYLVANIA**

ABSOLUTE SCALE:  
1:24,000

REFERENCE SCALE:  
1 IN = 2,000 FT

<b>DRAWN BY:</b> KFS
<b>CHECKED BY:</b>
<b>APPROVED BY:</b>
<b>REV. DATE:</b> 11/19/2018
<b>REVISION:</b>
<b>DESC:</b> ISSUED FOR PERMITTING
<b>PAGE:</b> PAGE 6 OF 20



SEE PAGE 6

SEE PAGE 8

1	MILEPOST		PROPOSED CONSTRUCTION LIMIT
1R	MILEPOST (STATION EQUATION DUE TO REROUTE)		USGS QUADRANGLE BOUNDARY
	PROPOSED PERMANENT ABOVE GROUND FACILITY		TOWNSHIP BOUNDARY
	PROPOSED HELLERTOWN LATERAL		COUNTY BOUNDARY
	PROPOSED PENNEAST PIPELINE CENTERLINE		STATE BOUNDARY

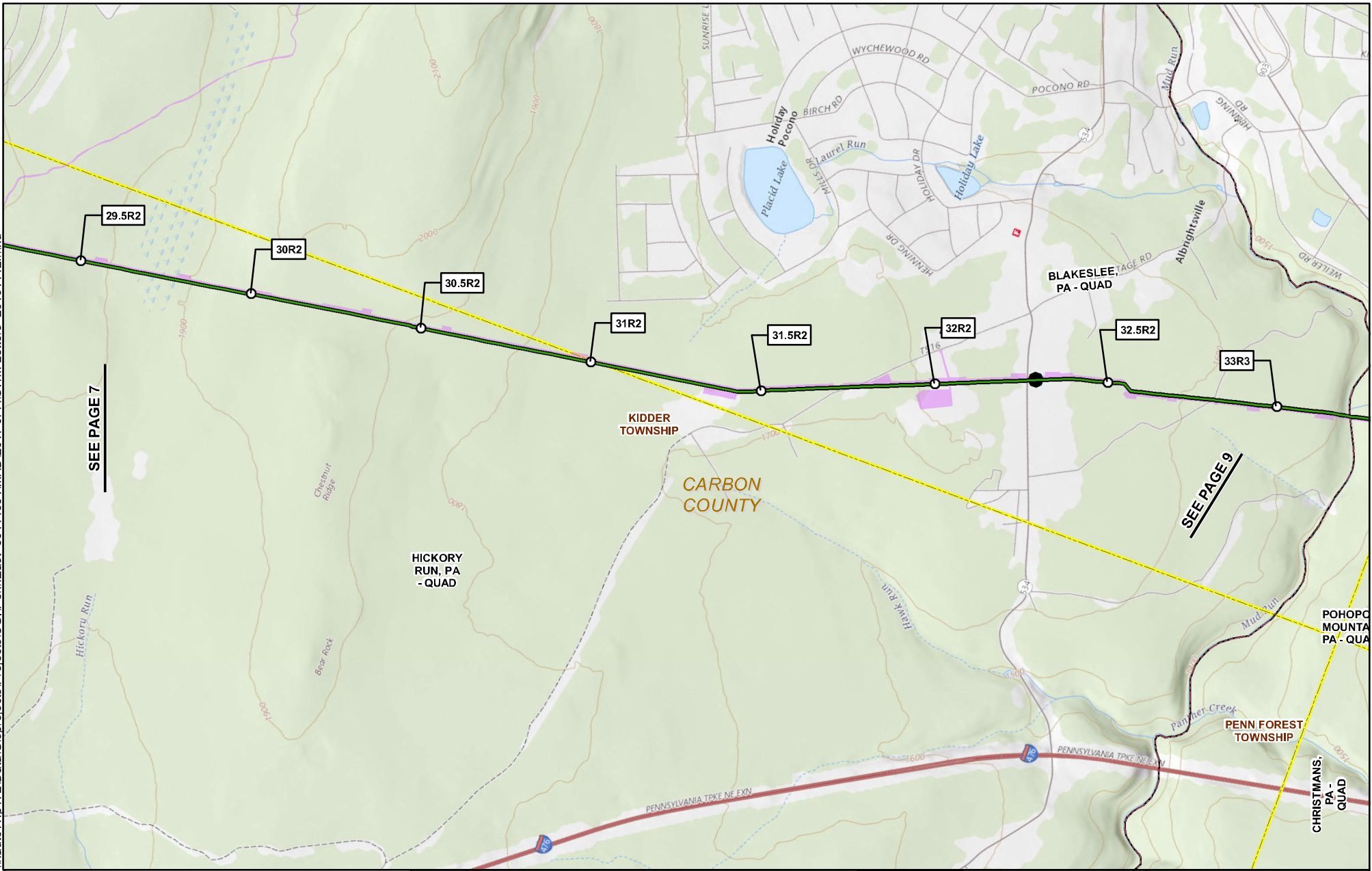
**PENNEAST PIPELINE PROJECT  
USGS QUADRANGLE MAP**

**CARBON COUNTY,  
PENNSYLVANIA**

ABSOLUTE SCALE:  
1:24,000

REFERENCE SCALE:  
1 IN = 2,000 FT

<b>DRAWN BY:</b> KFS
<b>CHECKED BY:</b>
<b>APPROVED BY:</b>
<b>REV. DATE:</b> 11/19/2018
<b>REVISION:</b>
<b>DESC:</b> ISSUED FOR PERMITTING
<b>PAGE:</b> PAGE 7 OF 20



SEE PAGE 7

SEE PAGE 9

<b>1</b>	MILEPOST		PROPOSED CONSTRUCTION LIMIT
<b>1R</b>	MILEPOST (STATION EQUATION DUE TO REROUTE)		USGS QUADRANGLE BOUNDARY
	PROPOSED PERMANENT ABOVE GROUND FACILITY		TOWNSHIP BOUNDARY
	PROPOSED HELLERTOWN LATERAL		COUNTY BOUNDARY
	PROPOSED PENNEAST PIPELINE CENTERLINE		STATE BOUNDARY

## PENNEAST PIPELINE PROJECT USGS QUADRANGLE MAP

CARBON COUNTY,  
PENNSYLVANIA



ABSOLUTE SCALE:  
1:24,000

REFERENCE SCALE:  
1 IN = 2,000 FT



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<b>REV. DATE:</b> 11/19/2018
<b>REVISION:</b>
<b>DESC:</b> ISSUED FOR PERMITTING
<b>PAGE:</b> PAGE 8 OF 20

Form



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

**GENERAL INFORMATION FORM – AUTHORIZATION APPLICATION**

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

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

**CLIENT INFORMATION**

<b>DEP Client ID#</b>	<b>Client Type / Code</b>			
	LLC			
<b>Organization Name or Registered Fictitious Name</b>		<b>Employer ID# (EIN)</b>	<b>Dun &amp; Bradstreet ID#</b>	
PennEast Pipeline Company LLC		47-1573364		
<b>Individual Last Name</b>	<b>First Name</b>	<b>MI</b>	<b>Suffix</b>	<b>SSN</b>
<b>Additional Individual Last Name</b>	<b>First Name</b>	<b>MI</b>	<b>Suffix</b>	<b>SSN</b>
<b>Mailing Address Line 1</b>		<b>Mailing Address Line 2</b>		
1 Meridian Boulevard		Suite 2C01		
<b>Address Last Line – City</b>		<b>State</b>	<b>ZIP+4</b>	<b>Country</b>
Wyomissing		PA	19610	USA
<b>Client Contact Last Name</b>	<b>First Name</b>	<b>MI</b>	<b>Suffix</b>	
Holly	Amber			
<b>Client Contact Title</b>		<b>Phone</b>	<b>Ext</b>	
Environmental Project Manager		610-373-7999	1172	
<b>Email Address</b>		<b>FAX</b>		
aholly@ugies.com				

**SITE INFORMATION**

<b>DEP Site ID#</b>	<b>Site Name</b>				
	PennEast Pipeline Project				
<b>EPA ID#</b>	<b>Estimated Number of Employees to be Present at Site</b>				
<b>Description of Site</b>					
Proposed natural gas pipeline right-of-way and the associated temporary workspace, compressor station, appurtenant facilities, access roads, staging areas, and wareyards necessary to construct the Project. Additional site description information is provided in JPA Section J - Project Narrative.					
<b>County Name</b>	<b>Municipality</b>	<b>City</b>	<b>Boro</b>	<b>Twp</b>	<b>State</b>
Luzerne, Carbon, Monroe, Northampton, and Bucks	(Luzerne:) Bear Creek Twp, Dallas Twp, Jenkins Twp, Kingston Twp, Plains Twp, West Wyoming Borough, Wyoming Borough, (Carbon:) Kidder Twp, Lower Towamensing Twp, Penn Forest Twp, Towamensing Twp, (Monroe:) Eldred Twp, (Northampton:) Bethlehem Twp, East Allen Twp, Easton City, Lower Nazareth Twp, Lower Saucon Twp, Moore Twp, Upper Nazareth Twp, Williams Twp, (Bucks:) Durham Twp, Riegelsville Borough	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	PA
<b>County Name</b>	<b>Municipality</b>	<b>City</b>	<b>Boro</b>	<b>Twp</b>	<b>State</b>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Site Location Line 1</b>		<b>Site Location Line 2</b>			
The PA portion of the PennEast Mainline Pipeline begins in Dallas Twp, Luzerne County and extends to Durham		The Hellertown Lateral is located in Lower Saucon Twp, Northampton County. Additional site location information			

Twp, Bucks County. Additional site location information is provided in JPA Section J - Project Narrative.

Site Location Last Line – City State ZIP+4

**Detailed Written Directions to Site**

From Wilkes-Barre: head north on PA-309. At the intersection with State Route 415, bear right to continue on State Route 309/Tunkhannock Highway. After 1 mile, turn right on Upper Demunds Road. Immediately turn right on Hildebrandt Road. After 0.7 mile, turn right onto an unnamed road and follow 0.25 mile to the Wyoming Interconnect and the start of the PennEast Mainline. The entry and exit location for each county crossed by the Project is provided in JPA Section J - Project Narrative.

<b>Site Contact Last Name</b> Holly		<b>First Name</b> Amber	<b>MI</b>	<b>Suffix</b>
<b>Site Contact Title</b> Environmental Project Manager		<b>Site Contact Firm</b> UGI Energy Services, LLC		
<b>Mailing Address Line 1</b> 1 Meridian Boulevard		<b>Mailing Address Line 2</b> Suite 2C01		
<b>Mailing Address Last Line – City</b> Wyomissing		<b>State</b> PA	<b>ZIP+4</b> 19610	
<b>Phone</b> 610-373-7999	<b>Ext</b> 1172	<b>FAX</b>	<b>Email Address</b> aholly@ugies.com	
<b>NAICS Codes</b> (Two- & Three-Digit Codes – List All That Apply) 22, 23, 48			<b>6-Digit Code</b> (Optional) 221210, 237120, 486210	
<b>Client to Site Relationship</b> OWNOP				

**FACILITY INFORMATION**

<b>Modification of Existing Facility</b>		<b>Yes</b>	<b>No</b>
1.	Will this project modify an existing facility, system, or activity?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2.	Will this project involve an addition to an existing facility, system, or activity?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<i>If "Yes", check all relevant facility types and provide DEP facility identification numbers below.</i>			

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

<b>Latitude/Longitude Point of Origin</b>	<b>Latitude</b>			<b>Longitude</b>		
	<b>Degrees</b>	<b>Minutes</b>	<b>Seconds</b>	<b>Degrees</b>	<b>Minutes</b>	<b>Seconds</b>
Station 0+00	41	20	48	75	56	43
<b>Horizontal Accuracy Measure</b>	Feet			--or-- Meters		
<b>Horizontal Reference Datum Code</b>	<input type="checkbox"/> North American Datum of 1927 <input type="checkbox"/> North American Datum of 1983 <input checked="" type="checkbox"/> World Geodetic System of 1984					
<b>Horizontal Collection Method Code</b>	GISDR					
<b>Reference Point Code</b>	CNTER					
<b>Altitude</b>	Feet 1280			--or-- Meters		
<b>Altitude Datum Name</b>	<input type="checkbox"/> The National Geodetic Vertical Datum of 1929 <input checked="" type="checkbox"/> The North American Vertical Datum of 1988 (NAVD88)					

<b>Altitude (Vertical) Location Datum Collection Method Code</b>	TOPO	
<b>Geometric Type Code</b>	POINT	
<b>Data Collection Date</b>	12/08/2018	
<b>Source Map Scale Number</b>	1	Inch(es) = 2000 Feet
	--or--	Centimeter(s) = Meters

**PROJECT INFORMATION**

**Project Name**  
PennEast Pipeline Project

**Project Description**  
See Project Description in JPA Section J

<b>Project Consultant Last Name</b>	<b>First Name</b>	<b>MI</b>	<b>Suffix</b>
Binckley	Sarah	K	

**Project Consultant Title**  
Project Manager

**Consulting Firm**  
AECOM

<b>Mailing Address Line 1</b>	<b>Mailing Address Line 2</b>
625 West Ridge Pike	Suite E-100
<b>Address Last Line - City</b>	<b>State</b>
Conshohocken	PA
	<b>ZIP+4</b>
	19428

<b>Phone</b>	<b>Ext</b>	<b>FAX</b>	<b>Email Address</b>
610-832-2713		610-832-3501	sarah.binckley@aecom.com

<b>Time Schedules</b>	<b>Project Milestone (Optional)</b>
09/2015	PennEast submitted FERC Application for Certificate of Public Convenience and Necessity
02/2016 - 03/2016	PennEast submitted PADEP Joint Permit Applications and ESCGP-2 applications
01/2018	Received FERC Certificate of Public Convenience and Necessity
12/2018	PennEast submits revised Joint Permit Applications and ESCGP-3 applications

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

**LAND USE INFORMATION**

**Note:** Applicants are encouraged to submit copies of local land use approvals or other evidence of compliance with local comprehensive plans and zoning ordinances.

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

## COORDINATION INFORMATION

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

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

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

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

3.0	Will your project, activity, or authorization have anything to do with a well related to oil or gas production, have construction within 200 feet of, affect an oil or gas well, involve the waste from such a well, or string power lines above an oil or gas well? If "Yes", respond to 3.1-3.3. If "No", skip to Question 4.0.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
3.1	Does the oil- or gas-related project involve any of the following: placement of fill, excavation within or placement of a structure, located in, along, across or projecting into a watercourse, floodway or body of water (including wetlands)?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
3.2	Will the oil- or gas-related project involve discharge of industrial wastewater or stormwater to a dry swale, surface water, ground water or an existing sanitary sewer system or storm water system? If "Yes", discuss in <i>Project Description</i> .	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
3.3	Will the oil- or gas-related project involve the construction and operation of industrial waste treatment facilities?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
4.0	Will the project involve a construction activity that results in earth disturbance? If "Yes", specify the total disturbed acreage. 4.0.1 Total Disturbed Acreage 1289.4	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
5.0	Does the project involve any of the following? If "Yes", respond to 5.1-5.3. If "No", skip to Question 6.0.	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
5.1	Water Obstruction and Encroachment Projects – Does the project involve any of the following: placement of fill, excavation within or placement of a structure, located in, along, across or projecting into a watercourse, floodway or body of water?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
5.2	Wetland Impacts – Does the project involve any of the following: placement of fill, excavation within or placement of a structure, located in, along, across or projecting into a wetland?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
5.3	Floodplain Projects by the commonwealth, a Political Subdivision of the commonwealth or a Public Utility – Does the project involve any of the following: placement of fill, excavation within or placement of a structure, located in, along, across or projecting into a floodplain?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
6.0	Will the project involve discharge of stormwater or wastewater from an industrial activity to a dry swale, surface water, ground water or an existing sanitary sewer system or separate storm water system?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
7.0	Will the project involve the construction and operation of industrial waste treatment facilities?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
8.0	Will the project involve construction of sewage treatment facilities, sanitary sewers, or sewage pumping stations? If "Yes", indicate estimated proposed flow (gal/day). Also, discuss the sanitary sewer pipe sizes and the number of pumping stations/treatment facilities/name of downstream sewage facilities in the <i>Project Description</i> , where applicable. 8.0.1 Estimated Proposed Flow (gal/day)	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
9.0	Will the project involve the subdivision of land, or the generation of 800 gpd or more of sewage on an existing parcel of land or the generation of an additional 400 gpd of sewage on an already-developed parcel, or the generation of 800 gpd or more of industrial wastewater that would be discharged to an existing sanitary sewer system? 9.0.1 Was Act 537 sewage facilities planning submitted and approved by DEP? If "Yes" attach the approval letter. Approval required prior to 105/NPDES approval.	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
10.0	Is this project for the beneficial use of biosolids for land application within Pennsylvania? If "Yes" indicate how much (i.e. gallons or dry tons per year). 10.0.1 Gallons Per Year (residential septage) _____ 10.0.2 Dry Tons Per Year (biosolids) _____	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
11.0	Does the project involve construction, modification or removal of a dam? If "Yes", identify the dam. 11.0.1 Dam Name	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No

12.0	Will the project interfere with the flow from, or otherwise impact, a dam? If "Yes", identify the dam.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
12.0.1	Dam Name				
13.0	Will the project involve operations (excluding during the construction period) that produce air emissions (i.e., NOX, VOC, etc.)? If "Yes", identify each type of emission followed by the amount of that emission.	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
13.0.1	Enter all types & amounts of emissions; separate each set with semicolons.	The Project operational total Potential to Emit (PTE) in tons per year includes: NOx – 141; CO – 141; SO2 – 5.8; PM10 – 28; PM2.5 – 28; VOC – 13; GHG – 260,800; CH2O – 3.9; Total HAPs – 5.1			
14.0	Does the project include the construction or modification of a drinking water supply to serve 15 or more connections or 25 or more people, at least 60 days out of the year? If "Yes", check all proposed sub-facilities.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
14.0.1	Number of Persons Served				
14.0.2	Number of Employee/Guests				
14.0.3	Number of Connections				
14.0.4	Sub-Fac: Distribution System	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
14.0.5	Sub-Fac: Water Treatment Plant	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
14.0.6	Sub-Fac: Source	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
14.0.7	Sub-Fac: Pump Station	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
14.0.8	Sub Fac: Transmission Main	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
14.0.9	Sub-Fac: Storage Facility	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
15.0	Will your project include infiltration of storm water or waste water to ground water within one-half mile of a public water supply well, spring or infiltration gallery?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
16.0	Is your project to be served by an existing public water supply? If "Yes", indicate name of supplier and attach letter from supplier stating that it will serve the project.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
16.0.1	Supplier's Name				
16.0.2	Letter of Approval from Supplier is Attached	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
17.0	Will this project involve a new or increased drinking water withdrawal from a stream or other water body? If "Yes", should reference both Water Supply and Watershed Management.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
17.0.1	Stream Name				
18.0	Will the construction or operation of this project involve treatment, storage, reuse, or disposal of waste? If "Yes", indicate what type (i.e., hazardous, municipal (including infectious & chemotherapeutic), residual) and the amount to be treated, stored, re-used or disposed.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
18.0.1	Type & Amount				
19.0	Will your project involve the removal of coal, minerals, etc. as part of any earth disturbance activities?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
20.0	Does your project involve installation of a field constructed underground storage tank? If "Yes", list each Substance & its Capacity. <b>Note:</b> Applicant may need a Storage Tank Site Specific Installation Permit.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
20.0.1	Enter all substances & capacity of each; separate each set with semicolons.				
21.0	Does your project involve installation of an aboveground storage tank greater than 21,000 gallons capacity at an existing facility? If "Yes", list each Substance & its Capacity. <b>Note:</b> Applicant may need a Storage Tank Site Specific Installation Permit.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
21.0.1	Enter all substances & capacity of each; separate each set with semicolons.				

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

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

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

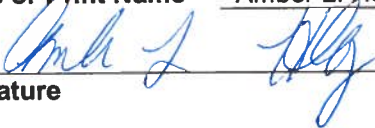
23.0.1 Enter all substances & capacity of each; separate each set with semicolons.

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

**CERTIFICATION**

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

Type or Print Name Amber L. Holly



Environmental Project Manager

Signature

Title

12/10/18

Date




Subject:

FW: FedEx Shipment 773978892904 Delivered



# Your package has been delivered


Tracking # 773978892904

Ship date: <b>Mon, 12/17/2018</b>		Delivery date: <b>Tue, 12/18/2018 1:25 pm</b>
<b>Sarah Binckley</b> AECOM CONSHOHOCKEN, PA 19428 US		<b>Lisa M. Klem</b> Kidder Township 10 Lake Harmony Road LAKE HARMONY, PA 18624 US

## Shipment Facts

Our records indicate that the following package has been delivered.

<b>Tracking number:</b>	<a href="#">773978892904</a>
<b>Status:</b>	Delivered: 12/18/2018 1:25 PM Signed for By: C.LINDSEY
<b>Reference:</b>	60414094. 20000363.00035.08.
<b>Signed for by:</b>	C.LINDSEY
<b>Delivery location:</b>	LAKE HARMONY, 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>	1.00 lb.
<b>Special handling/Services:</b>	Deliver Weekday
<b>Standard transit:</b>	12/18/2018 by 4:30 pm

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Thank you for your business.



625 West Ridge Pike  
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610 832 3500 tel  
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December 17, 2018

Brett Green  
Lower Towamensing Township  
595 Hahns Dairy Road  
Palmerton, PA 18071  
Jenkins, PA 18640

**Subject: Updated Stormwater Management Analysis  
PennEast Pipeline  
Carbon County, Pennsylvania**

Dear Brett Green,

On November 9, 2016, AECOM notified Lower Towamensing Township that PennEast Pipeline Company, LLC had submitted Pennsylvania Chapter 105 Joint Permit Applications (JPAs) for authorization of wetland and watercourse crossings for the PennEast Pipeline Project (Project). PennEast will be submitting updated JPAs to the Pennsylvania Department of Environmental Protection (PADEP) in December 2018. In accordance with 25 Pennsylvania Code §105.13(e)(l)(v), PennEast is providing this stormwater management analysis for Project impacts within Lower Towamensing Township.

**Project Description**

PennEast proposes to construct, install and operate the Project facilities to provide approximately 1.1 million dekatherms per day (MMDth/d) of year-round natural gas transportation services from the Marcellus Shale producing region in northern Pennsylvania to markets in New Jersey, eastern and southeastern Pennsylvania, and surrounding states. The Project will include a new pipeline and aboveground facilities that will provide a new source of low cost natural gas and enhance the region's supply diversity. The Project facilities include a 36-inch diameter, 115-mile mainline pipeline extending from Luzerne County, Pennsylvania, to Mercer County, New Jersey. The Project will extend from various receipt point interconnections in the eastern Marcellus Shale region to various delivery point interconnections in the heart of major northeastern natural gas-consuming markets.

**Stormwater Management Analysis**

Within Lower Towamensing Township, PennEast proposes to construct approximately 3.7 miles of 36-inch diameter pipeline between Mile Post (MP) 47.1 and MP 50.7R3. The Blue Mountain Lateral, an approximately 0.5-mile lateral of 4-inch diameter pipe, will also be constructed in Lower Towamensing Township. The Blue Mountain Lateral interconnects with the PennEast Mainline Route at MP 49.7R3. Various associated aboveground facilities will be constructed to support the pipeline system. Specifically in Lower Towamensing Township, PennEast proposes to construct Blue Mountain Side Valve and Blue Mountain Interconnect (UGI Central Penn Gas, Inc), new facilities located at MP BL-0R3 and BL-0.51R3, respectively. These facilities will be located within the Aquashicola Creek watershed, for which an Act 167 Stormwater Management Plan has not been approved. A location map illustrating the location of the proposed PennEast Mainline Pipeline is included as Attachment 1.

The pipeline facilities will be restored to pre-construction grade and revegetated following construction in accordance with PennEast's Erosion and Sediment Control Plan (E&SCP), Site



Restoration Plan, and the Federal Energy Regulatory Commission's (FERC's) Upland Erosion Control, Revegetation and Maintenance Plan. Existing drainage patterns will be maintained as feasible by utilizing the existing contours or restoring any disturbed area to the existing condition or meadow. Restoration measures will include the re-establishment of original grade and drainage patterns to the extent practicable. Erosion and sedimentation control best management practices will be maintained until final stabilization is achieved to minimize the likelihood of post-construction erosion. The rate and volume of stormwater runoff from the Project area in the post-construction condition is not expected to exceed that of the pre-construction condition. The E&SCP and Site Restoration Plan will be reviewed by the PADEP and Carbon Conservation District as part of the Erosion and Sediment Control General Permit (ESCGP) application process.

For the Blue Mountain Side Valve and Blue Mountain Interconnect, where new impervious surfaces are proposed, PennEast has prepared a Post-Construction Stormwater Management (PCSM) Plan and designed the PCSM facilities consistent with Pennsylvania Code §102.8(g)(3) requirements, which state that the post-development peak runoff rate must not exceed the pre-development peak runoff rate under any storm condition. The stormwater volume and peak runoff rate requirements will be achieved through the installation of an infiltration basins, infiltration berms, level spreaders, and swales. The revised PCSM plans and supporting calculations will be submitted to the PADEP and Carbon Conservation District for review and approval as part of the ESCGP application process.

PennEast will continue to coordinate with the PADEP and the Carbon Conservation District regarding stormwater management best management practices to prevent an increase in the rate of stormwater runoff and minimize any increase in stormwater runoff volume. If you have any comments regarding consistency with the approved stormwater management plans, please direct comments to the PADEP Northeast Regional Office, Waterways and Wetlands Program at 2 Public Square, Wilkes-Barre, Pennsylvania 18701-1915 or call 570-826-2511.

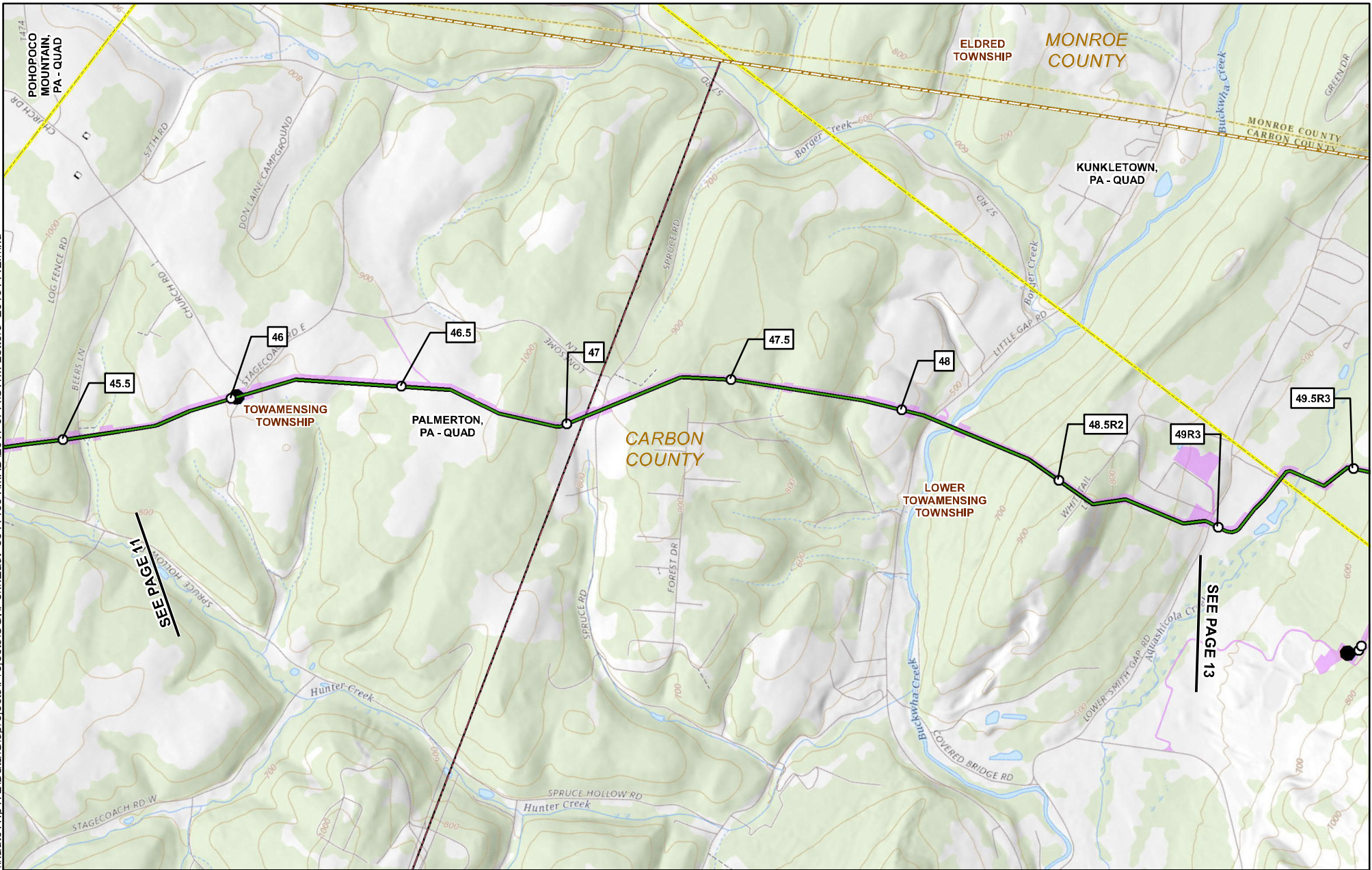
Yours sincerely,

A handwritten signature in black ink that reads 'Sarah K. Binckley'. The signature is written in a cursive, flowing style.

Sarah K. Binckley  
AECOM

cc: Casey Monagan, UGI Energy Services  
Amber Holly, UGI Energy Services

**ATTACHMENT 1**  
**PROJECT LOCATION MAP**



<b>1</b>	MILEPOST		PROPOSED CONSTRUCTION LIMIT
<b>1R</b>	MILEPOST (STATION EQUATION DUE TO REROUTE)		USGS QUADRANGLE BOUNDARY
	PROPOSED PERMANENT ABOVE GROUND FACILITY		TOWNSHIP BOUNDARY
	PROPOSED HELLERTOWN LATERAL		COUNTY BOUNDARY
	PROPOSED PENNEAST PIPELINE CENTERLINE		STATE BOUNDARY

## PENNEAST PIPELINE PROJECT USGS QUADRANGLE MAP

**CARBON COUNTY,  
PENNSYLVANIA**



ABSOLUTE SCALE:  
1:24,000

REFERENCE SCALE:  
1 IN = 2,000 FT

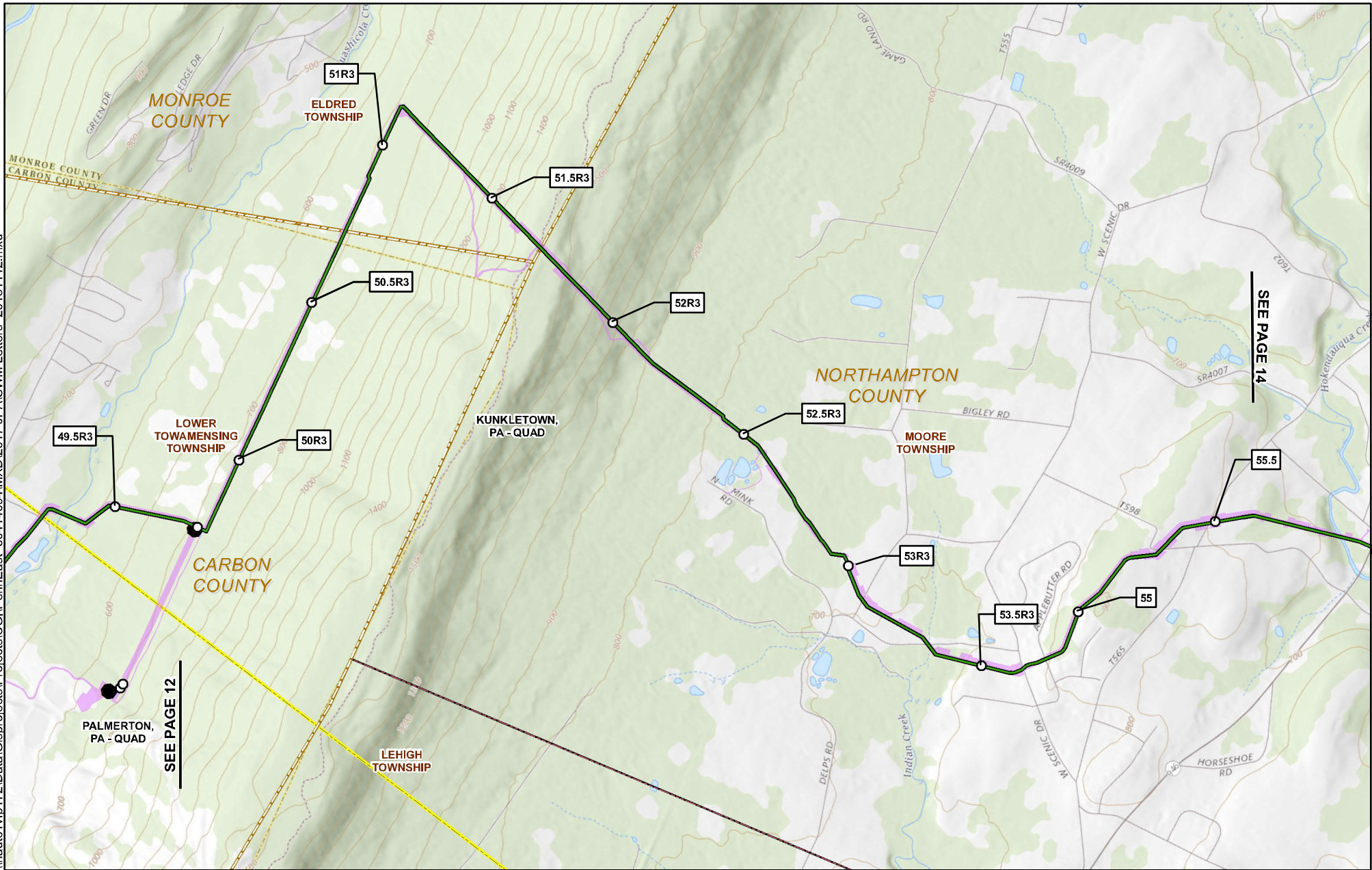


<b>DRAWN BY:</b> KFS
<b>CHECKED BY:</b>
<b>APPROVED BY:</b>
<b>REV. DATE:</b> 11/19/2018
<b>REVISION:</b>
<b>DESC:</b> ISSUED FOR PERMITTING
<b>PAGE:</b> PAGE 12 OF 20

SEE PAGE 11

SEE PAGE 13

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SEE PAGE 12

SEE PAGE 14

<b>1</b>	MILEPOST		PROPOSED CONSTRUCTION LIMIT
<b>1R</b>	MILEPOST (STATION EQUATION DUE TO REROUTE)		USGS QUADRANGLE BOUNDARY
	PROPOSED PERMANENT ABOVE GROUND FACILITY		TOWNSHIP BOUNDARY
	PROPOSED HELLERTOWN LATERAL		COUNTY BOUNDARY
	PROPOSED PENNEAST PIPELINE CENTERLINE		STATE BOUNDARY

## PENNEAST PIPELINE PROJECT USGS QUADRANGLE MAP

CARBON, MONROE, & NORTHAMPTON COUNTIES,  
PENNSYLVANIA



ABSOLUTE SCALE:  
1:24,000

REFERENCE SCALE:  
1 IN = 2,000 FT



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<b>CHECKED BY:</b>
<b>APPROVED BY:</b>
<b>REV. DATE:</b> 11/19/2018
<b>REVISION:</b>
<b>DESC:</b> ISSUED FOR PERMITTING
<b>PAGE:</b> PAGE 13 OF 20

Form



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

**GENERAL INFORMATION FORM – AUTHORIZATION APPLICATION**

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

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

**CLIENT INFORMATION**

<b>DEP Client ID#</b>	<b>Client Type / Code</b>			
	LLC			
<b>Organization Name or Registered Fictitious Name</b>		<b>Employer ID# (EIN)</b>	<b>Dun &amp; Bradstreet ID#</b>	
PennEast Pipeline Company LLC		47-1573364		
<b>Individual Last Name</b>	<b>First Name</b>	<b>MI</b>	<b>Suffix</b>	<b>SSN</b>
<b>Additional Individual Last Name</b>	<b>First Name</b>	<b>MI</b>	<b>Suffix</b>	<b>SSN</b>
<b>Mailing Address Line 1</b>		<b>Mailing Address Line 2</b>		
1 Meridian Boulevard		Suite 2C01		
<b>Address Last Line – City</b>		<b>State</b>	<b>ZIP+4</b>	<b>Country</b>
Wyomissing		PA	19610	USA
<b>Client Contact Last Name</b>	<b>First Name</b>	<b>MI</b>	<b>Suffix</b>	
Holly	Amber			
<b>Client Contact Title</b>		<b>Phone</b>	<b>Ext</b>	
Environmental Project Manager		610-373-7999	1172	
<b>Email Address</b>		<b>FAX</b>		
aholly@ugies.com				

**SITE INFORMATION**

<b>DEP Site ID#</b>	<b>Site Name</b>				
	PennEast Pipeline Project				
<b>EPA ID#</b>	<b>Estimated Number of Employees to be Present at Site</b>				
<b>Description of Site</b>					
Proposed natural gas pipeline right-of-way and the associated temporary workspace, compressor station, appurtenant facilities, access roads, staging areas, and wareyards necessary to construct the Project. Additional site description information is provided in JPA Section J - Project Narrative.					
<b>County Name</b>	<b>Municipality</b>	<b>City</b>	<b>Boro</b>	<b>Twp</b>	<b>State</b>
Luzerne, Carbon, Monroe, Northampton, and Bucks	(Luzerne:) Bear Creek Twp, Dallas Twp, Jenkins Twp, Kingston Twp, Plains Twp, West Wyoming Borough, Wyoming Borough, (Carbon:) Kidder Twp, Lower Towamensing Twp, Penn Forest Twp, Towamensing Twp, (Monroe:) Eldred Twp, (Northampton:) Bethlehem Twp, East Allen Twp, Easton City, Lower Nazareth Twp, Lower Saucon Twp, Moore Twp, Upper Nazareth Twp, Williams Twp, (Bucks:) Durham Twp, Riegelsville Borough	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	PA
<b>County Name</b>	<b>Municipality</b>	<b>City</b>	<b>Boro</b>	<b>Twp</b>	<b>State</b>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Site Location Line 1</b>		<b>Site Location Line 2</b>			
The PA portion of the PennEast Mainline Pipeline begins in Dallas Twp, Luzerne County and extends to Durham		The Hellertown Lateral is located in Lower Saucon Twp, Northampton County. Additional site location information			

Twp, Bucks County. Additional site location information is provided in JPA Section J - Project Narrative.

Site Location Last Line – City State ZIP+4

**Detailed Written Directions to Site**

From Wilkes-Barre: head north on PA-309. At the intersection with State Route 415, bear right to continue on State Route 309/Tunkhannock Highway. After 1 mile, turn right on Upper Demunds Road. Immediately turn right on Hildebrandt Road. After 0.7 mile, turn right onto an unnamed road and follow 0.25 mile to the Wyoming Interconnect and the start of the PennEast Mainline. The entry and exit location for each county crossed by the Project is provided in JPA Section J - Project Narrative.

<b>Site Contact Last Name</b> Holly		<b>First Name</b> Amber	<b>MI</b>	<b>Suffix</b>
<b>Site Contact Title</b> Environmental Project Manager		<b>Site Contact Firm</b> UGI Energy Services, LLC		
<b>Mailing Address Line 1</b> 1 Meridian Boulevard		<b>Mailing Address Line 2</b> Suite 2C01		
<b>Mailing Address Last Line – City</b> Wyomissing		<b>State</b> PA	<b>ZIP+4</b> 19610	
<b>Phone</b> 610-373-7999	<b>Ext</b> 1172	<b>FAX</b>	<b>Email Address</b> aholly@ugies.com	
<b>NAICS Codes</b> (Two- & Three-Digit Codes – List All That Apply) 22, 23, 48			<b>6-Digit Code</b> (Optional) 221210, 237120, 486210	
<b>Client to Site Relationship</b> OWNOP				

**FACILITY INFORMATION**

**Modification of Existing Facility**

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

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

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

<b>Latitude/Longitude Point of Origin</b>	<b>Latitude</b>			<b>Longitude</b>		
	<b>Degrees</b>	<b>Minutes</b>	<b>Seconds</b>	<b>Degrees</b>	<b>Minutes</b>	<b>Seconds</b>
Station 0+00	41	20	48	75	56	43
<b>Horizontal Accuracy Measure</b>	Feet			--or-- Meters		
<b>Horizontal Reference Datum Code</b>	<input type="checkbox"/> North American Datum of 1927 <input type="checkbox"/> North American Datum of 1983 <input checked="" type="checkbox"/> World Geodetic System of 1984					
<b>Horizontal Collection Method Code</b>	GISDR					
<b>Reference Point Code</b>	CENTER					
<b>Altitude</b>	Feet 1280			--or-- Meters		
<b>Altitude Datum Name</b>	<input type="checkbox"/> The National Geodetic Vertical Datum of 1929 <input checked="" type="checkbox"/> The North American Vertical Datum of 1988 (NAVD88)					

<b>Altitude (Vertical) Location Datum Collection Method Code</b>	TOPO		
<b>Geometric Type Code</b>	POINT		
<b>Data Collection Date</b>	12/08/2018		
<b>Source Map Scale Number</b>	1	Inch(es)	= 2000 Feet
	--or--	Centimeter(s)	= Meters

**PROJECT INFORMATION**

**Project Name**  
PennEast Pipeline Project

**Project Description**  
See Project Description in JPA Section J

<b>Project Consultant Last Name</b>	<b>First Name</b>	<b>MI</b>	<b>Suffix</b>
Binckley	Sarah	K	

**Project Consultant Title**  
Project Manager

**Consulting Firm**  
AECOM

<b>Mailing Address Line 1</b>	<b>Mailing Address Line 2</b>	
625 West Ridge Pike	Suite E-100	
<b>Address Last Line - City</b>	<b>State</b>	<b>ZIP+4</b>
Conshohocken	PA	19428

<b>Phone</b>	<b>Ext</b>	<b>FAX</b>	<b>Email Address</b>
610-832-2713		610-832-3501	sarah.binckley@aecom.com

<b>Time Schedules</b>	<b>Project Milestone (Optional)</b>
09/2015	PennEast submitted FERC Application for Certificate of Public Convenience and Necessity
02/2016 - 03/2016	PennEast submitted PADEP Joint Permit Applications and ESCGP-2 applications
01/2018	Received FERC Certificate of Public Convenience and Necessity
12/2018	PennEast submits revised Joint Permit Applications and ESCGP-3 applications

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

**LAND USE INFORMATION**

**Note:** Applicants are encouraged to submit copies of local land use approvals or other evidence of compliance with local comprehensive plans and zoning ordinances.

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

## COORDINATION INFORMATION

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

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

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

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

3.0	Will your project, activity, or authorization have anything to do with a well related to oil or gas production, have construction within 200 feet of, affect an oil or gas well, involve the waste from such a well, or string power lines above an oil or gas well? If "Yes", respond to 3.1-3.3. If "No", skip to Question 4.0.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
3.1	Does the oil- or gas-related project involve any of the following: placement of fill, excavation within or placement of a structure, located in, along, across or projecting into a watercourse, floodway or body of water (including wetlands)?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
3.2	Will the oil- or gas-related project involve discharge of industrial wastewater or stormwater to a dry swale, surface water, ground water or an existing sanitary sewer system or storm water system? If "Yes", discuss in <i>Project Description</i> .	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
3.3	Will the oil- or gas-related project involve the construction and operation of industrial waste treatment facilities?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
4.0	Will the project involve a construction activity that results in earth disturbance? If "Yes", specify the total disturbed acreage. 4.0.1 Total Disturbed Acreage 1289.4	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
5.0	Does the project involve any of the following? If "Yes", respond to 5.1-5.3. If "No", skip to Question 6.0.	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
5.1	Water Obstruction and Encroachment Projects – Does the project involve any of the following: placement of fill, excavation within or placement of a structure, located in, along, across or projecting into a watercourse, floodway or body of water?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
5.2	Wetland Impacts – Does the project involve any of the following: placement of fill, excavation within or placement of a structure, located in, along, across or projecting into a wetland?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
5.3	Floodplain Projects by the commonwealth, a Political Subdivision of the commonwealth or a Public Utility – Does the project involve any of the following: placement of fill, excavation within or placement of a structure, located in, along, across or projecting into a floodplain?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
6.0	Will the project involve discharge of stormwater or wastewater from an industrial activity to a dry swale, surface water, ground water or an existing sanitary sewer system or separate storm water system?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
7.0	Will the project involve the construction and operation of industrial waste treatment facilities?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
8.0	Will the project involve construction of sewage treatment facilities, sanitary sewers, or sewage pumping stations? If "Yes", indicate estimated proposed flow (gal/day). Also, discuss the sanitary sewer pipe sizes and the number of pumping stations/treatment facilities/name of downstream sewage facilities in the <i>Project Description</i> , where applicable. 8.0.1 Estimated Proposed Flow (gal/day)	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
9.0	Will the project involve the subdivision of land, or the generation of 800 gpd or more of sewage on an existing parcel of land or the generation of an additional 400 gpd of sewage on an already-developed parcel, or the generation of 800 gpd or more of industrial wastewater that would be discharged to an existing sanitary sewer system? 9.0.1 Was Act 537 sewage facilities planning submitted and approved by DEP? If "Yes" attach the approval letter. Approval required prior to 105/NPDES approval.	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
10.0	Is this project for the beneficial use of biosolids for land application within Pennsylvania? If "Yes" indicate how much (i.e. gallons or dry tons per year). 10.0.1 Gallons Per Year (residential septage) _____ 10.0.2 Dry Tons Per Year (biosolids) _____	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
11.0	Does the project involve construction, modification or removal of a dam? If "Yes", identify the dam. 11.0.1 Dam Name	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No

12.0	Will the project interfere with the flow from, or otherwise impact, a dam? If "Yes", identify the dam.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
12.0.1	Dam Name				
13.0	Will the project involve operations (excluding during the construction period) that produce air emissions (i.e., NOX, VOC, etc.)? If "Yes", identify each type of emission followed by the amount of that emission.	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
13.0.1	Enter all types & amounts of emissions; separate each set with semicolons.	The Project operational total Potential to Emit (PTE) in tons per year includes: NOx – 141; CO – 141; SO2 – 5.8; PM10 – 28; PM2.5 – 28; VOC – 13; GHG – 260,800; CH2O – 3.9; Total HAPs – 5.1			
14.0	Does the project include the construction or modification of a drinking water supply to serve 15 or more connections or 25 or more people, at least 60 days out of the year? If "Yes", check all proposed sub-facilities.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
14.0.1	Number of Persons Served				
14.0.2	Number of Employee/Guests				
14.0.3	Number of Connections				
14.0.4	Sub-Fac: Distribution System	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
14.0.5	Sub-Fac: Water Treatment Plant	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
14.0.6	Sub-Fac: Source	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
14.0.7	Sub-Fac: Pump Station	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
14.0.8	Sub Fac: Transmission Main	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
14.0.9	Sub-Fac: Storage Facility	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
15.0	Will your project include infiltration of storm water or waste water to ground water within one-half mile of a public water supply well, spring or infiltration gallery?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
16.0	Is your project to be served by an existing public water supply? If "Yes", indicate name of supplier and attach letter from supplier stating that it will serve the project.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
16.0.1	Supplier's Name				
16.0.2	Letter of Approval from Supplier is Attached	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
17.0	Will this project involve a new or increased drinking water withdrawal from a stream or other water body? If "Yes", should reference both Water Supply and Watershed Management.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
17.0.1	Stream Name				
18.0	Will the construction or operation of this project involve treatment, storage, reuse, or disposal of waste? If "Yes", indicate what type (i.e., hazardous, municipal (including infectious & chemotherapeutic), residual) and the amount to be treated, stored, re-used or disposed.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
18.0.1	Type & Amount				
19.0	Will your project involve the removal of coal, minerals, etc. as part of any earth disturbance activities?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
20.0	Does your project involve installation of a field constructed underground storage tank? If "Yes", list each Substance & its Capacity. <b>Note:</b> Applicant may need a Storage Tank Site Specific Installation Permit.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
20.0.1	Enter all substances & capacity of each; separate each set with semicolons.				
21.0	Does your project involve installation of an aboveground storage tank greater than 21,000 gallons capacity at an existing facility? If "Yes", list each Substance & its Capacity. <b>Note:</b> Applicant may need a Storage Tank Site Specific Installation Permit.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
21.0.1	Enter all substances & capacity of each; separate each set with semicolons.				

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

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

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

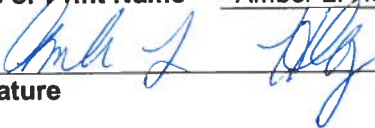
23.0.1 Enter all substances & capacity of each; separate each set with semicolons.

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

**CERTIFICATION**

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

Type or Print Name Amber L. Holly



Environmental Project Manager

Signature

Title

12/10/18

Date


Subject:

FW: FedEx Shipment 773980143013 Delivered

## Your package has been delivered

Tracking # 773980143013


Ship date: <b>Mon, 12/17/2018</b>	Delivery date: <b>Tue, 12/18/2018 4:25 pm</b>
<b>Sarah Binckley</b> AECOM CONSHOHOCKEN, PA 19428 US	<b>Brent Green</b> Lower Towamensing Township 595 Hahns Dairy Road PALMERTON, PA 18071 US



### Shipment Facts

Our records indicate that the following package has been delivered.

<b>Tracking number:</b>	<a href="#">773980143013</a>
<b>Status:</b>	Delivered: 12/18/2018 4:25 PM Signed for By: C.WENTZ
<b>Reference:</b>	60414094. 20000363.00035.08
<b>Signed for by:</b>	C.WENTZ
<b>Delivery location:</b>	PALMERTON, 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>	Deliver Weekday
<b>Standard transit:</b>	12/18/2018 by 3:00 pm

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Thank you for your business.



625 West Ridge Pike  
Suite E-100  
Conshohocken, PA 19428  
www.aecom.com

610 832 3500 tel  
610 832 3501 fax

December 17, 2018

Dana Vitale  
Penn Forest Township  
2010 State Route 903  
Jim Thorpe, PA 18229

**Subject: Updated Stormwater Management Analysis  
PennEast Pipeline Project  
Carbon County, Pennsylvania**

Dear Dana Vitale,

On November 9, 2016, AECOM notified Penn Forest Township that PennEast Pipeline Company, LLC had submitted Pennsylvania Chapter 105 Joint Permit Applications (JPAs) for authorization of wetland and watercourse crossings for the PennEast Pipeline Project (Project). PennEast will be submitting updated JPAs to the Pennsylvania Department of Environmental Protection (PADEP) in December 2018. In accordance with 25 Pennsylvania Code §105.13(e)(I)(v), PennEast is providing this stormwater management analysis for Project impacts within Penn Forest Township.

**Project Description**

PennEast proposes to construct, install and operate the Project facilities to provide approximately 1.1 million dekatherms per day (MMDth/d) of year-round natural gas transportation services from the Marcellus Shale producing region in northern Pennsylvania to markets in New Jersey, eastern and southeastern Pennsylvania, and surrounding states. The Project will include a new pipeline and aboveground facilities that will provide a new source of low cost natural gas and enhance the region's supply diversity. The Project facilities include a 36-inch diameter, 115-mile mainline pipeline extending from Luzerne County, Pennsylvania, to Mercer County, New Jersey. The Project will extend from various receipt point interconnections in the eastern Marcellus Shale region to various delivery point interconnections in the heart of major northeastern natural gas-consuming markets.

**Stormwater Management Analysis**

Within Penn Forest Township, PennEast proposes to construct approximately 7.7 miles of 36-inch diameter pipeline between Mile Post (MP) 33.2R3 and MP 40.7R2, which will be located within the Lehigh River, Pohopoco Creek, and Mud Run watersheds, for which Act 167 Stormwater Management Plans have not been approved. A location map illustrating the location of the proposed PennEast Mainline Pipeline is included as Attachment 1.

The pipeline facilities will be restored to pre-construction grade and revegetated following construction in accordance with PennEast's Erosion and Sediment Control Plan (E&SCP), Site Restoration Plan, and the Federal Energy Regulatory Commission's (FERC's) Upland Erosion Control, Revegetation, and Maintenance Plan. Existing drainage patterns will be maintained as feasible by utilizing the existing contours or restoring any disturbed area to the existing condition or meadow. Restoration measures will include the re-establishment of original grade and drainage patterns to the extent practicable. Erosion and sedimentation control best management practices will be maintained until final stabilization is achieved to minimize the likelihood of post-construction erosion. The rate and volume of stormwater runoff from the Project area in the post-construction condition is not expected to exceed that of the pre-construction condition. The E&SCP and Site



Restoration Plan will be reviewed by the PADEP and Carbon Conservation District as part of the Erosion and Sediment Control General Permit (ESCGP) application process.

PennEast will continue to coordinate with the PADEP and the Carbon Conservation District regarding stormwater management best management practices to prevent an increase in the rate of stormwater runoff and minimize any increase in stormwater runoff volume. If you have any comments regarding consistency with the approved stormwater management plans, please direct comments to the PADEP Northeast Regional Office, Waterways and Wetlands Program at 2 Public Square, Wilkes-Barre, Pennsylvania 18701-1915 or call 570-826-2511.

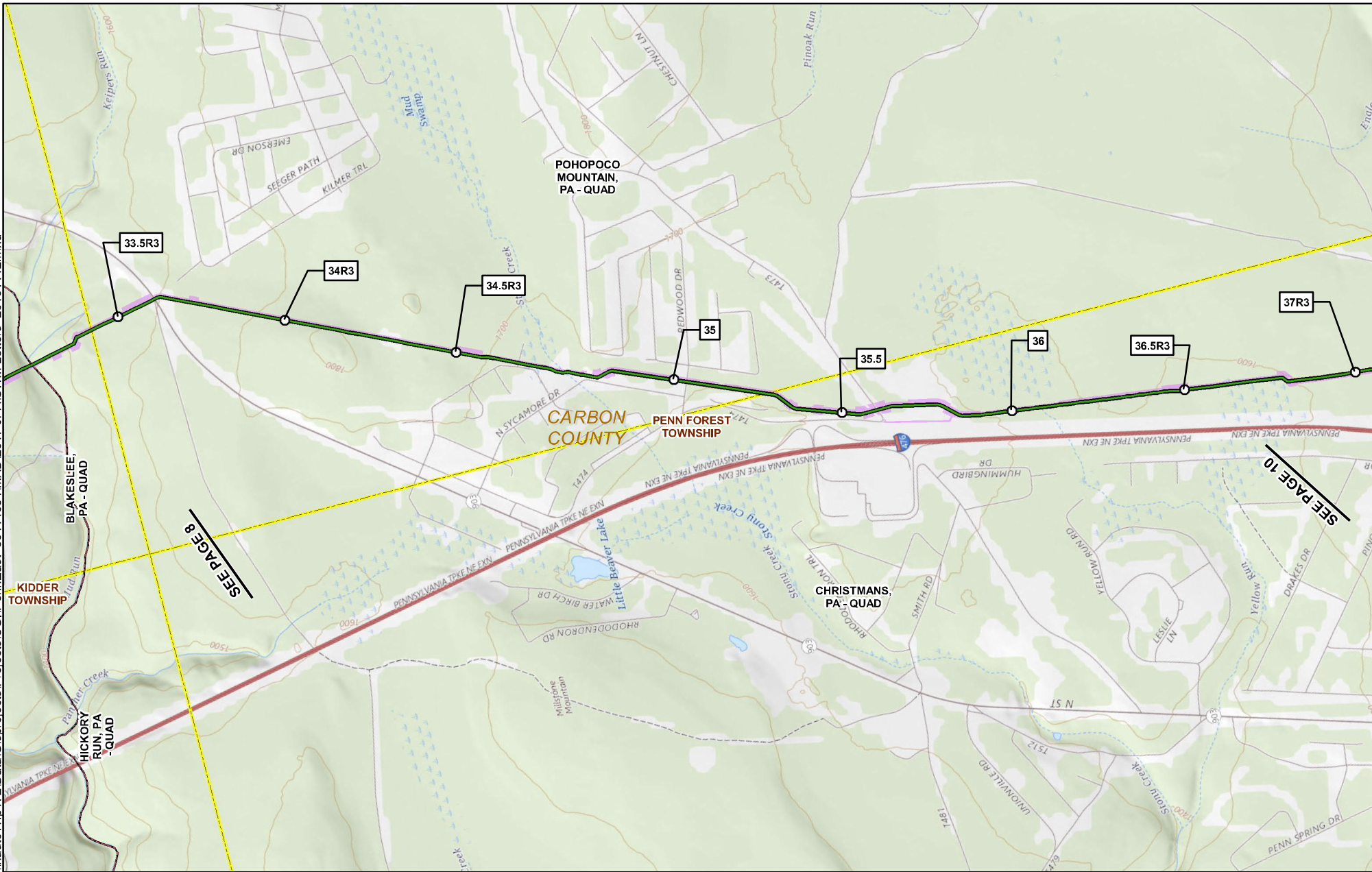
Yours sincerely,

A handwritten signature in black ink that reads "Sarah K. Binckley". The signature is written in a cursive, flowing style.

Sarah K. Binckley  
AECOM

cc: Casey Monagan, UGI Energy Services  
Amber Holly, UGI Energy Services

**ATTACHMENT 1**  
**PROJECT LOCATION MAP**



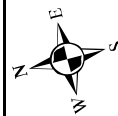
SEE PAGE 8

SEE PAGE 10

1	MILEPOST	PROPOSED CONSTRUCTION LIMIT
1R	MILEPOST (STATION EQUATION DUE TO REROUTE)	USGS QUADRANGLE BOUNDARY
●	PROPOSED PERMANENT ABOVE GROUND FACILITY	TOWNSHIP BOUNDARY
—	PROPOSED HELLERTOWN LATERAL	COUNTY BOUNDARY
—	PROPOSED PENNEAST PIPELINE CENTERLINE	STATE BOUNDARY

## PENNEAST PIPELINE PROJECT USGS QUADRANGLE MAP

CARBON COUNTY,  
PENNSYLVANIA

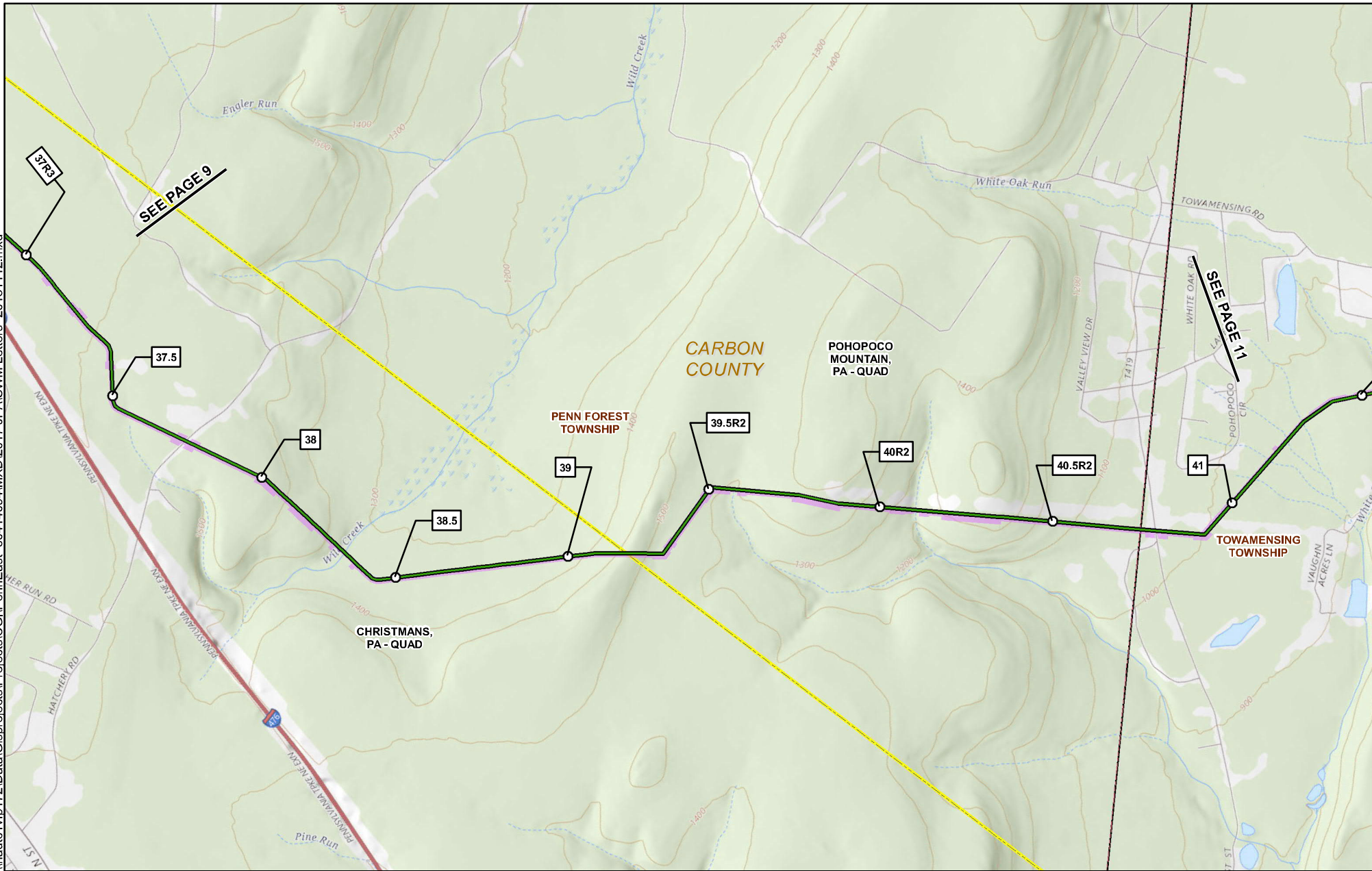


ABSOLUTE SCALE:  
1:24,000  
REFERENCE SCALE:  
1 IN = 2,000 FT



<b>DRAWN BY:</b> KFS
<b>CHECKED BY:</b>
<b>APPROVED BY:</b>
<b>REV. DATE:</b> 11/19/2018
<b>REVISION:</b>
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<b>PAGE:</b> PAGE 9 OF 20

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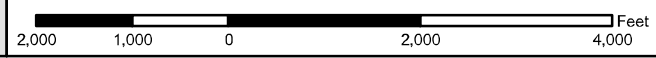
SEE PAGE 9

SEE PAGE 11

<b>1</b>	MILEPOST		PROPOSED CONSTRUCTION LIMIT
<b>1R</b>	MILEPOST (STATION EQUATION DUE TO REROUTE)		USGS QUADRANGLE BOUNDARY
	PROPOSED PERMANENT ABOVE GROUND FACILITY		TOWNSHIP BOUNDARY
	PROPOSED HELLERTOWN LATERAL		COUNTY BOUNDARY
	PROPOSED PENNEAST PIPELINE CENTERLINE		STATE BOUNDARY

## PENNEAST PIPELINE PROJECT USGS QUADRANGLE MAP

**CARBON COUNTY,  
PENNSYLVANIA**



ABSOLUTE SCALE:  
1:24,000

REFERENCE SCALE:  
1 IN = 2,000 FT



<b>DRAWN BY:</b> KFS
<b>CHECKED BY:</b>
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<b>REVISION:</b>
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<b>PAGE:</b> PAGE 10 OF 20

Form



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

**GENERAL INFORMATION FORM – AUTHORIZATION APPLICATION**

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

<p style="text-align: center;"><b>Related ID#s (If Known)</b></p> <p>Client ID# _____ APS ID# _____</p> <p>Site ID# _____ Auth ID# _____</p> <p>Facility ID# _____</p>	<p><b>DEP USE ONLY</b></p> <p>Date Received &amp; General Notes</p>
--	---

**CLIENT INFORMATION**

DEP Client ID#	Client Type / Code LLC				
Organization Name or Registered Fictitious Name PennEast Pipeline Company LLC		Employer ID# (EIN) 47-1573364	Dun & Bradstreet ID#		
Individual Last Name	First Name	MI	Suffix	SSN	
Additional Individual Last Name	First Name	MI	Suffix	SSN	
Mailing Address Line 1 1 Meridian Boulevard		Mailing Address Line 2 Suite 2C01			
Address Last Line – City Wyomissing		State PA	ZIP+4 19610	Country USA	
Client Contact Last Name Holly	First Name Amber	MI	Suffix		
Client Contact Title Environmental Project Manager		Phone 610-373-7999	Ext 1172		
Email Address aholly@ugies.com		FAX			

**SITE INFORMATION**

DEP Site ID#	Site Name PennEast Pipeline Project				
EPA ID#	Estimated Number of Employees to be Present at Site				
Description of Site Proposed natural gas pipeline right-of-way and the associated temporary workspace, compressor station, appurtenant facilities, access roads, staging areas, and wareyards necessary to construct the Project. Additional site description information is provided in JPA Section J - Project Narrative.					
County Name	Municipality	City	Boro	Twp	State
Luzerne, Carbon, Monroe, Northampton, and Bucks	(Luzerne:) Bear Creek Twp, Dallas Twp, Jenkins Twp, Kingston Twp, Plains Twp, West Wyoming Borough, Wyoming Borough, (Carbon:) Kidder Twp, Lower Towamensing Twp, Penn Forest Twp, Towamensing Twp, (Monroe:) Eldred Twp, (Northampton:) Bethlehem Twp, East Allen Twp, Easton City, Lower Nazareth Twp, Lower Saucon Twp, Moore Twp, Upper Nazareth Twp, Williams Twp, (Bucks:) Durham Twp, Riegelsville Borough	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	PA
County Name	Municipality	City	Boro	Twp	State
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Site Location Line 1 The PA portion of the PennEast Mainline Pipeline begins in Dallas Twp, Luzerne County and extends to Durham		Site Location Line 2 The Hellertown Lateral is located in Lower Saucon Twp, Northampton County. Additional site location information			

Twp, Bucks County. Additional site location information is provided in JPA Section J - Project Narrative.

Site Location Last Line – City State ZIP+4

**Detailed Written Directions to Site**

From Wilkes-Barre: head north on PA-309. At the intersection with State Route 415, bear right to continue on State Route 309/Tunkhannock Highway. After 1 mile, turn right on Upper Demunds Road. Immediately turn right on Hildebrandt Road. After 0.7 mile, turn right onto an unnamed road and follow 0.25 mile to the Wyoming Interconnect and the start of the PennEast Mainline. The entry and exit location for each county crossed by the Project is provided in JPA Section J - Project Narrative.

<b>Site Contact Last Name</b> Holly		<b>First Name</b> Amber	<b>MI</b>	<b>Suffix</b>
<b>Site Contact Title</b> Environmental Project Manager		<b>Site Contact Firm</b> UGI Energy Services, LLC		
<b>Mailing Address Line 1</b> 1 Meridian Boulevard		<b>Mailing Address Line 2</b> Suite 2C01		
<b>Mailing Address Last Line – City</b> Wyomissing		<b>State</b> PA	<b>ZIP+4</b> 19610	
<b>Phone</b> 610-373-7999	<b>Ext</b> 1172	<b>FAX</b>	<b>Email Address</b> aholly@ugies.com	
<b>NAICS Codes</b> (Two- & Three-Digit Codes – List All That Apply) 22, 23, 48			<b>6-Digit Code</b> (Optional) 221210, 237120, 486210	
<b>Client to Site Relationship</b> OWNOP				

**FACILITY INFORMATION**

<b>Modification of Existing Facility</b>		<b>Yes</b>	<b>No</b>
1.	Will this project modify an existing facility, system, or activity?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2.	Will this project involve an addition to an existing facility, system, or activity?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<i>If "Yes", check all relevant facility types and provide DEP facility identification numbers below.</i>			

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

<b>Latitude/Longitude Point of Origin</b>	<b>Latitude</b>			<b>Longitude</b>		
	<b>Degrees</b>	<b>Minutes</b>	<b>Seconds</b>	<b>Degrees</b>	<b>Minutes</b>	<b>Seconds</b>
Station 0+00	41	20	48	75	56	43
<b>Horizontal Accuracy Measure</b>	Feet			--or-- Meters		
<b>Horizontal Reference Datum Code</b>	<input type="checkbox"/> North American Datum of 1927 <input type="checkbox"/> North American Datum of 1983 <input checked="" type="checkbox"/> World Geodetic System of 1984					
<b>Horizontal Collection Method Code</b>	GISDR					
<b>Reference Point Code</b>	CENTER					
<b>Altitude</b>	Feet 1280			--or-- Meters		
<b>Altitude Datum Name</b>	<input type="checkbox"/> The National Geodetic Vertical Datum of 1929 <input checked="" type="checkbox"/> The North American Vertical Datum of 1988 (NAVD88)					

<b>Altitude (Vertical) Location Datum Collection Method Code</b>	TOPO	
<b>Geometric Type Code</b>	POINT	
<b>Data Collection Date</b>	12/08/2018	
<b>Source Map Scale Number</b>	1	Inch(es) = 2000 Feet
	--or--	Centimeter(s) = Meters

**PROJECT INFORMATION**

**Project Name**  
PennEast Pipeline Project

**Project Description**  
See Project Description in JPA Section J

<b>Project Consultant Last Name</b>	<b>First Name</b>	<b>MI</b>	<b>Suffix</b>
Binckley	Sarah	K	

**Project Consultant Title**      **Consulting Firm**  
Project Manager      AECOM

**Mailing Address Line 1**      **Mailing Address Line 2**  
625 West Ridge Pike      Suite E-100

**Address Last Line – City**      **State**      **ZIP+4**  
Conshohocken      PA      19428

<b>Phone</b>	<b>Ext</b>	<b>FAX</b>	<b>Email Address</b>
610-832-2713		610-832-3501	sarah.binckley@aecom.com

<b>Time Schedules</b>	<b>Project Milestone (Optional)</b>
09/2015	PennEast submitted FERC Application for Certificate of Public Convenience and Necessity
02/2016 - 03/2016	PennEast submitted PADEP Joint Permit Applications and ESCGP-2 applications
01/2018	Received FERC Certificate of Public Convenience and Necessity
12/2018	PennEast submits revised Joint Permit Applications and ESCGP-3 applications

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

**LAND USE INFORMATION**

**Note:** Applicants are encouraged to submit copies of local land use approvals or other evidence of compliance with local comprehensive plans and zoning ordinances.

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

### COORDINATION INFORMATION

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

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

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

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

3.0	Will your project, activity, or authorization have anything to do with a well related to oil or gas production, have construction within 200 feet of, affect an oil or gas well, involve the waste from such a well, or string power lines above an oil or gas well? If "Yes", respond to 3.1-3.3. If "No", skip to Question 4.0.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
3.1	Does the oil- or gas-related project involve any of the following: placement of fill, excavation within or placement of a structure, located in, along, across or projecting into a watercourse, floodway or body of water (including wetlands)?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
3.2	Will the oil- or gas-related project involve discharge of industrial wastewater or stormwater to a dry swale, surface water, ground water or an existing sanitary sewer system or storm water system? If "Yes", discuss in <i>Project Description</i> .	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
3.3	Will the oil- or gas-related project involve the construction and operation of industrial waste treatment facilities?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
4.0	Will the project involve a construction activity that results in earth disturbance? If "Yes", specify the total disturbed acreage. 4.0.1 Total Disturbed Acreage 1289.4	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
5.0	Does the project involve any of the following? If "Yes", respond to 5.1-5.3. If "No", skip to Question 6.0.	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
5.1	Water Obstruction and Encroachment Projects – Does the project involve any of the following: placement of fill, excavation within or placement of a structure, located in, along, across or projecting into a watercourse, floodway or body of water?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
5.2	Wetland Impacts – Does the project involve any of the following: placement of fill, excavation within or placement of a structure, located in, along, across or projecting into a wetland?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
5.3	Floodplain Projects by the commonwealth, a Political Subdivision of the commonwealth or a Public Utility – Does the project involve any of the following: placement of fill, excavation within or placement of a structure, located in, along, across or projecting into a floodplain?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
6.0	Will the project involve discharge of stormwater or wastewater from an industrial activity to a dry swale, surface water, ground water or an existing sanitary sewer system or separate storm water system?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
7.0	Will the project involve the construction and operation of industrial waste treatment facilities?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
8.0	Will the project involve construction of sewage treatment facilities, sanitary sewers, or sewage pumping stations? If "Yes", indicate estimated proposed flow (gal/day). Also, discuss the sanitary sewer pipe sizes and the number of pumping stations/treatment facilities/name of downstream sewage facilities in the <i>Project Description</i> , where applicable. 8.0.1 Estimated Proposed Flow (gal/day)	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
9.0	Will the project involve the subdivision of land, or the generation of 800 gpd or more of sewage on an existing parcel of land or the generation of an additional 400 gpd of sewage on an already-developed parcel, or the generation of 800 gpd or more of industrial wastewater that would be discharged to an existing sanitary sewer system? 9.0.1 Was Act 537 sewage facilities planning submitted and approved by DEP? If "Yes" attach the approval letter. Approval required prior to 105/NPDES approval.	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
10.0	Is this project for the beneficial use of biosolids for land application within Pennsylvania? If "Yes" indicate how much (i.e. gallons or dry tons per year). 10.0.1 Gallons Per Year (residential septage) _____ 10.0.2 Dry Tons Per Year (biosolids) _____	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
11.0	Does the project involve construction, modification or removal of a dam? If "Yes", identify the dam. 11.0.1 Dam Name	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No

12.0	Will the project interfere with the flow from, or otherwise impact, a dam? If "Yes", identify the dam.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
12.0.1	Dam Name				
13.0	Will the project involve operations (excluding during the construction period) that produce air emissions (i.e., NOX, VOC, etc.)? If "Yes", identify each type of emission followed by the amount of that emission.	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
13.0.1	Enter all types & amounts of emissions; separate each set with semicolons.	The Project operational total Potential to Emit (PTE) in tons per year includes: NOx – 141; CO – 141; SO2 – 5.8; PM10 – 28; PM2.5 – 28; VOC – 13; GHG – 260,800; CH2O – 3.9; Total HAPs – 5.1			
14.0	Does the project include the construction or modification of a drinking water supply to serve 15 or more connections or 25 or more people, at least 60 days out of the year? If "Yes", check all proposed sub-facilities.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
14.0.1	Number of Persons Served				
14.0.2	Number of Employee/Guests				
14.0.3	Number of Connections				
14.0.4	Sub-Fac: Distribution System	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
14.0.5	Sub-Fac: Water Treatment Plant	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
14.0.6	Sub-Fac: Source	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
14.0.7	Sub-Fac: Pump Station	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
14.0.8	Sub Fac: Transmission Main	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
14.0.9	Sub-Fac: Storage Facility	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
15.0	Will your project include infiltration of storm water or waste water to ground water within one-half mile of a public water supply well, spring or infiltration gallery?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
16.0	Is your project to be served by an existing public water supply? If "Yes", indicate name of supplier and attach letter from supplier stating that it will serve the project.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
16.0.1	Supplier's Name				
16.0.2	Letter of Approval from Supplier is Attached	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
17.0	Will this project involve a new or increased drinking water withdrawal from a stream or other water body? If "Yes", should reference both Water Supply and Watershed Management.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
17.0.1	Stream Name				
18.0	Will the construction or operation of this project involve treatment, storage, reuse, or disposal of waste? If "Yes", indicate what type (i.e., hazardous, municipal (including infectious & chemotherapeutic), residual) and the amount to be treated, stored, re-used or disposed.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
18.0.1	Type & Amount				
19.0	Will your project involve the removal of coal, minerals, etc. as part of any earth disturbance activities?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
20.0	Does your project involve installation of a field constructed underground storage tank? If "Yes", list each Substance & its Capacity. <b>Note:</b> Applicant may need a Storage Tank Site Specific Installation Permit.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
20.0.1	Enter all substances & capacity of each; separate each set with semicolons.				
21.0	Does your project involve installation of an aboveground storage tank greater than 21,000 gallons capacity at an existing facility? If "Yes", list each Substance & its Capacity. <b>Note:</b> Applicant may need a Storage Tank Site Specific Installation Permit.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
21.0.1	Enter all substances & capacity of each; separate each set with semicolons.				

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

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

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

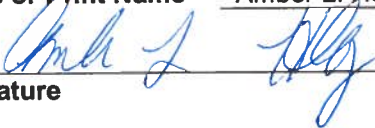
23.0.1 Enter all substances & capacity of each; separate each set with semicolons.

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

**CERTIFICATION**

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

Type or Print Name Amber L. Holly



Environmental Project Manager

Signature

Title

12/10/18

Date


Subject:

FW: FedEx Shipment 773980420113 Delivered



# Your package has been delivered


Tracking # 773980420113

Ship date: <b>Mon, 12/17/2018</b>		Delivery date: <b>Tue, 12/18/2018 10:37 am</b>
<b>Sarah Binckley</b> AECOM CONSHOHOCKEN, PA 19428 US	 <b>Delivered</b>	<b>Dana Vitale</b> Penn Forest Township 2010 State Route 903 JIM THORPE, PA 18229 US

## Shipment Facts

Our records indicate that the following package has been delivered.

<b>Tracking number:</b>	<a href="#">773980420113</a>
<b>Status:</b>	Delivered: 12/18/2018 10:37 AM Signed for By: T.MCMAHON
<b>Reference:</b>	60414094. 20000363.00035.08.
<b>Signed for by:</b>	T.MCMAHON
<b>Delivery location:</b>	JIM THORPE, 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>	Deliver Weekday
<b>Standard transit:</b>	12/18/2018 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 9:41 AM CST on 12/18/2018.

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.



625 West Ridge Pike  
Suite E-100  
Conshohocken, PA 19428  
www.aecom.com

610 832 3500 tel  
610 832 3501 fax

December 17, 2018

Brenda Drew  
Towamensing Township  
120 Stable Road  
Lehigh, PA 18235

**Subject: Updated Stormwater Management Analysis  
PennEast Pipeline Project  
Northampton County, Pennsylvania**

Dear Brenda Drew,

On November 9, 2016, AECOM notified Towamensing Township that PennEast Pipeline Company, LLC had submitted Pennsylvania Chapter 105 Joint Permit Applications (JPAs) for authorization of wetland and watercourse crossings for the PennEast Pipeline Project (Project). PennEast will be submitting updated JPAs to the Pennsylvania Department of Environmental Protection (PADEP) in December 2018. In accordance with 25 Pennsylvania Code §105.13(e)(1)(v), PennEast is providing this stormwater management analysis for Project impacts within Towamensing Township.

**Project Description**

PennEast proposes to construct, install and operate the Project facilities to provide approximately 1.1 million dekatherms per day (MMDth/d) of year-round natural gas transportation services from the Marcellus Shale producing region in northern Pennsylvania to markets in New Jersey, eastern and southeastern Pennsylvania, and surrounding states. The Project will include a new pipeline and aboveground facilities that will provide a new source of low cost natural gas and enhance the region's supply diversity. The Project facilities include a 36-inch diameter, 115-mile mainline pipeline extending from Luzerne County, Pennsylvania, to Mercer County, New Jersey. The Project will extend from various receipt point interconnections in the eastern Marcellus Shale region to various delivery point interconnections in the heart of major northeastern natural gas-consuming markets.

**Stormwater Management Analysis**

Within Towamensing Township, PennEast proposes to construct approximately 6.4 miles of 36-inch diameter pipeline between Mile Post (MP) 40.7R2 and MP 47.1. Various associated aboveground facilities will be constructed to support the pipeline system. Specifically, in Towamensing Township, PennEast proposes to construct Mainline Block Valve 4, a new facility located at MP 46. The pipeline and aboveground facility will be located within the Pohopoco and Aquashicola Creek watersheds for which an Act 167 Stormwater Management Plan has not been approved. A location map illustrating the location of the proposed pipeline and aboveground facility in Towamensing Township is included as Attachment 1.

The pipeline facilities will be restored to pre-construction grade and revegetated following construction in accordance with PennEast's Erosion and Sediment Control Plan (E&SCP), Site Restoration Plan, and the Federal Energy Regulatory Commission's (FERC's) Upland Erosion Control, Revegetation, and Maintenance Plan. Existing drainage patterns will be maintained as feasible by utilizing the existing contours or restoring any disturbed area to the existing condition or meadow. Restoration measures will include the re-establishment of original grade and drainage patterns to the extent practicable. Erosion and sedimentation control best management practices will



be maintained until final stabilization is achieved to minimize the likelihood of post-construction erosion. The rate and volume of stormwater runoff from the Project area in the post-construction condition is not expected to exceed that of the pre-construction condition. The E&SCP and Site Restoration Plan will be reviewed by the PADEP and Northampton County Conservation District as part of the Erosion and Sediment Control General Permit (ESCGP) application process.

For the Mainline Block Valve 4, where new impervious surfaces are proposed, PennEast has prepared a Post-Construction Stormwater Management (PCSM) Plan and designed the PCSM facilities consistent with Pennsylvania Code §102.8(g)(3) requirements, which states that the post-development peak runoff rate must not exceed the pre-development peak runoff rate under any storm condition. The stormwater volume and peak runoff rate requirements will be achieved through the installation of an infiltration trench and swale. The revised PCSM plans and supporting calculations will be submitted to the PADEP and Carbon Conservation District for review and approval as part of the ESCGP application process.

PennEast will continue to coordinate with the PADEP and the Carbon Conservation District regarding stormwater management best management practices to prevent an increase in the rate of stormwater runoff and minimize any increase in stormwater runoff volume. If you have any comments regarding consistency with the approved stormwater management plans, please direct comments to the PADEP Northeast Regional Office, Waterways and Wetlands Program at 2 Public Square, Wilkes-Barre, Pennsylvania 18701-1915 or call 570-826-2511.

Yours sincerely,

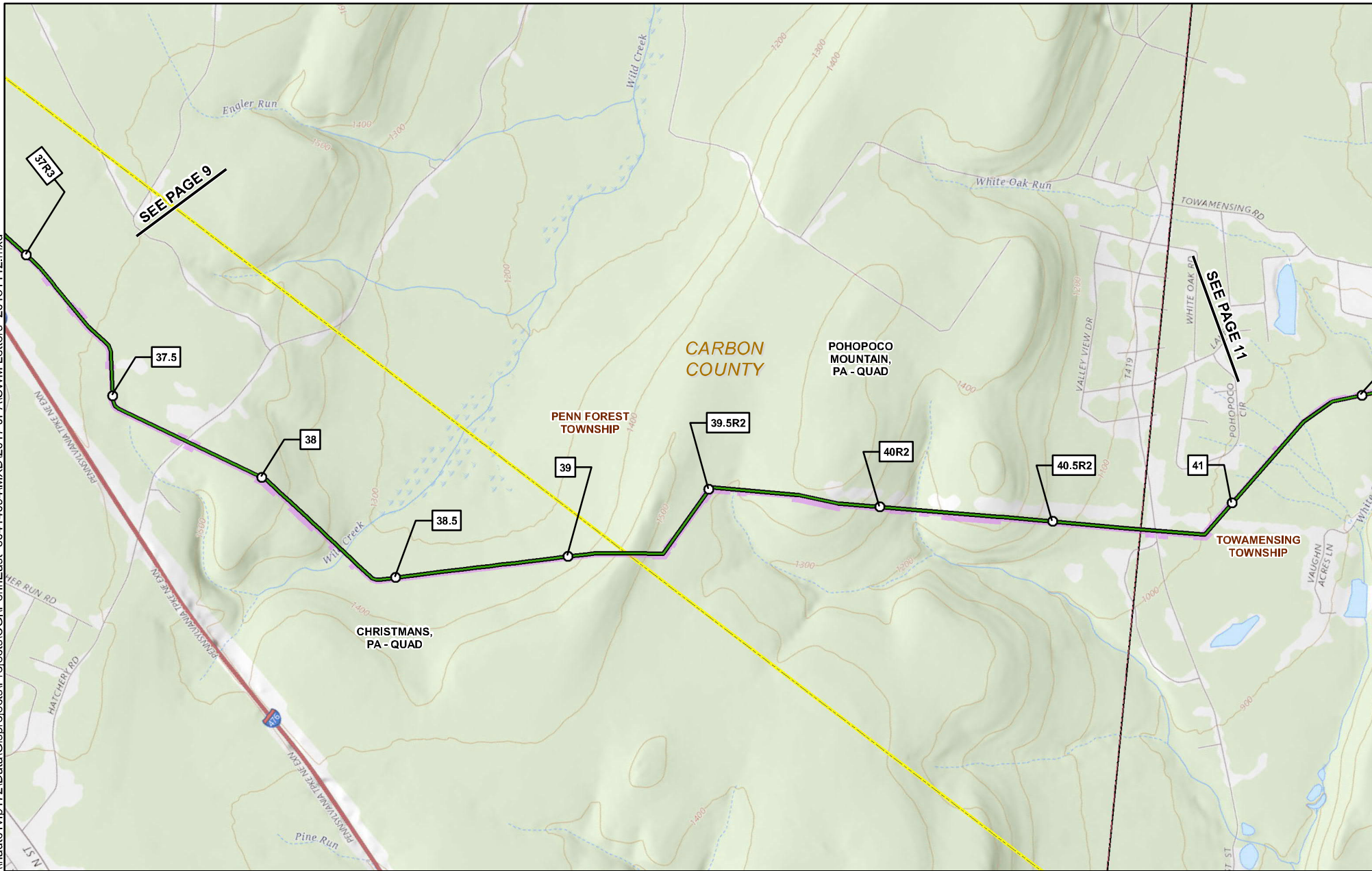
A handwritten signature in black ink that reads "Sarah K. Binckley". The signature is written in a cursive, flowing style.

Sarah K. Binckley  
AECOM

cc: Casey Monagan, UGI Energy Services  
Amber Holly, UGI Energy Services

**ATTACHMENT 1**  
**PROJECT LOCATION MAP**

I:\nadc\1vfp\172\GIS\projects\Projects\UGI\PennEast\_60414094\MXD\2017\_JPA\SWM Letters 2018\1112.mxd



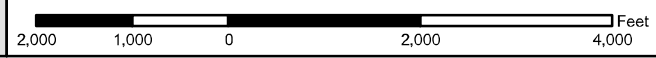
SEE PAGE 9

SEE PAGE 11

<b>1</b>	MILEPOST		PROPOSED CONSTRUCTION LIMIT
<b>1R</b>	MILEPOST (STATION EQUATION DUE TO REROUTE)		USGS QUADRANGLE BOUNDARY
	PROPOSED PERMANENT ABOVE GROUND FACILITY		TOWNSHIP BOUNDARY
	PROPOSED HELLERTOWN LATERAL		COUNTY BOUNDARY
	PROPOSED PENNEAST PIPELINE CENTERLINE		STATE BOUNDARY

## PENNEAST PIPELINE PROJECT USGS QUADRANGLE MAP

**CARBON COUNTY,  
PENNSYLVANIA**

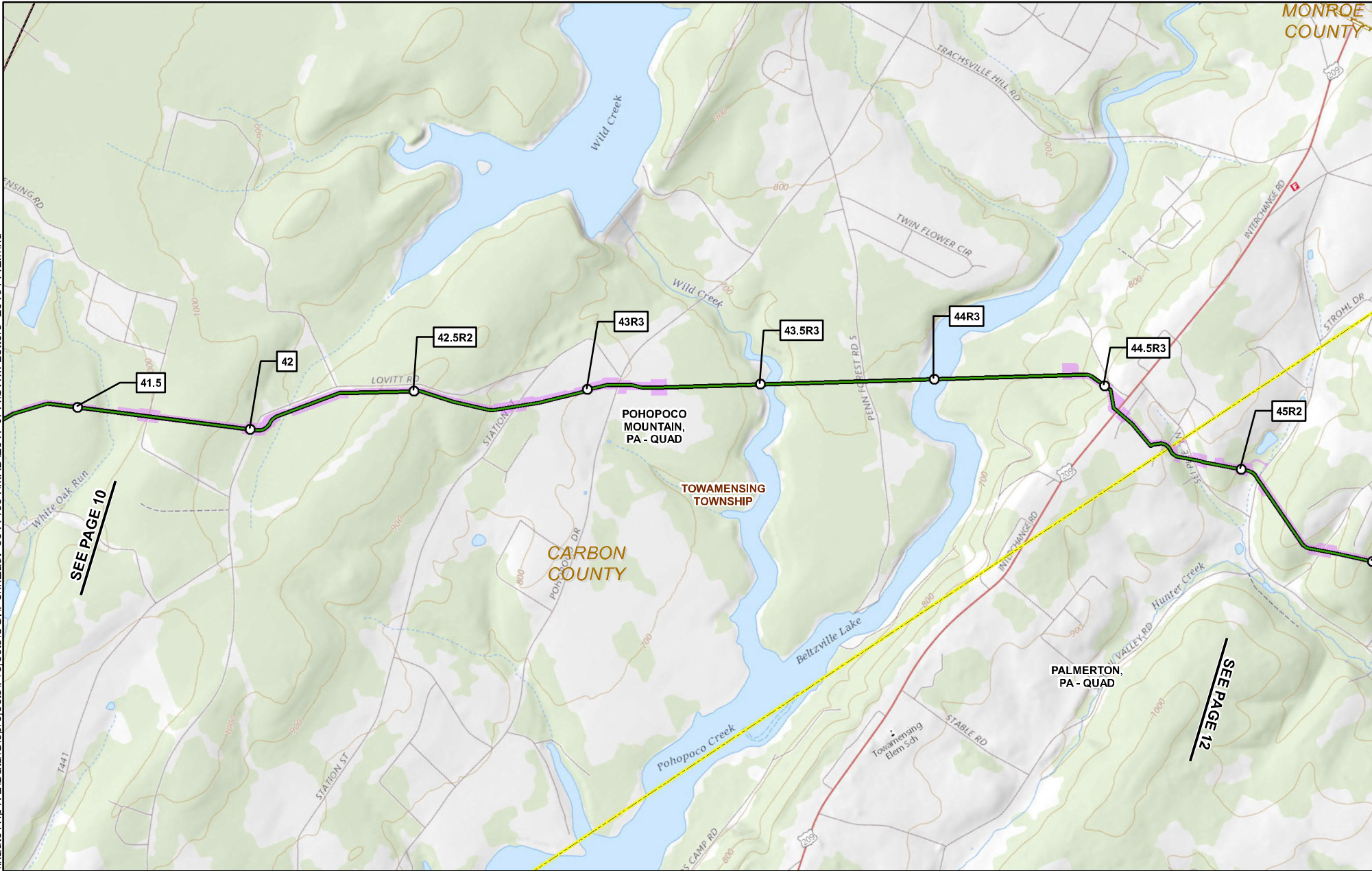


ABSOLUTE SCALE:  
1:24,000

REFERENCE SCALE:  
1 IN = 2,000 FT



<b>DRAWN BY:</b> KFS
<b>CHECKED BY:</b>
<b>APPROVED BY:</b>
<b>REV. DATE:</b> 11/19/2018
<b>REVISION:</b>
<b>DESC:</b> ISSUED FOR PERMITTING
<b>PAGE:</b> PAGE 10 OF 20



SEE PAGE 10

SEE PAGE 12

1	MILEPOST	PROPOSED CONSTRUCTION LIMIT
1R	MILEPOST (STATION EQUATION DUE TO REROUTE)	USGS QUADRANGLE BOUNDARY
●	PROPOSED PERMANENT ABOVE GROUND FACILITY	TOWNSHIP BOUNDARY
—	PROPOSED HELLERTOWN LATERAL	COUNTY BOUNDARY
—	PROPOSED PENNEAST PIPELINE CENTERLINE	STATE BOUNDARY

**PENNEAST PIPELINE PROJECT  
USGS QUADRANGLE MAP**

**CARBON COUNTY,  
PENNSYLVANIA**

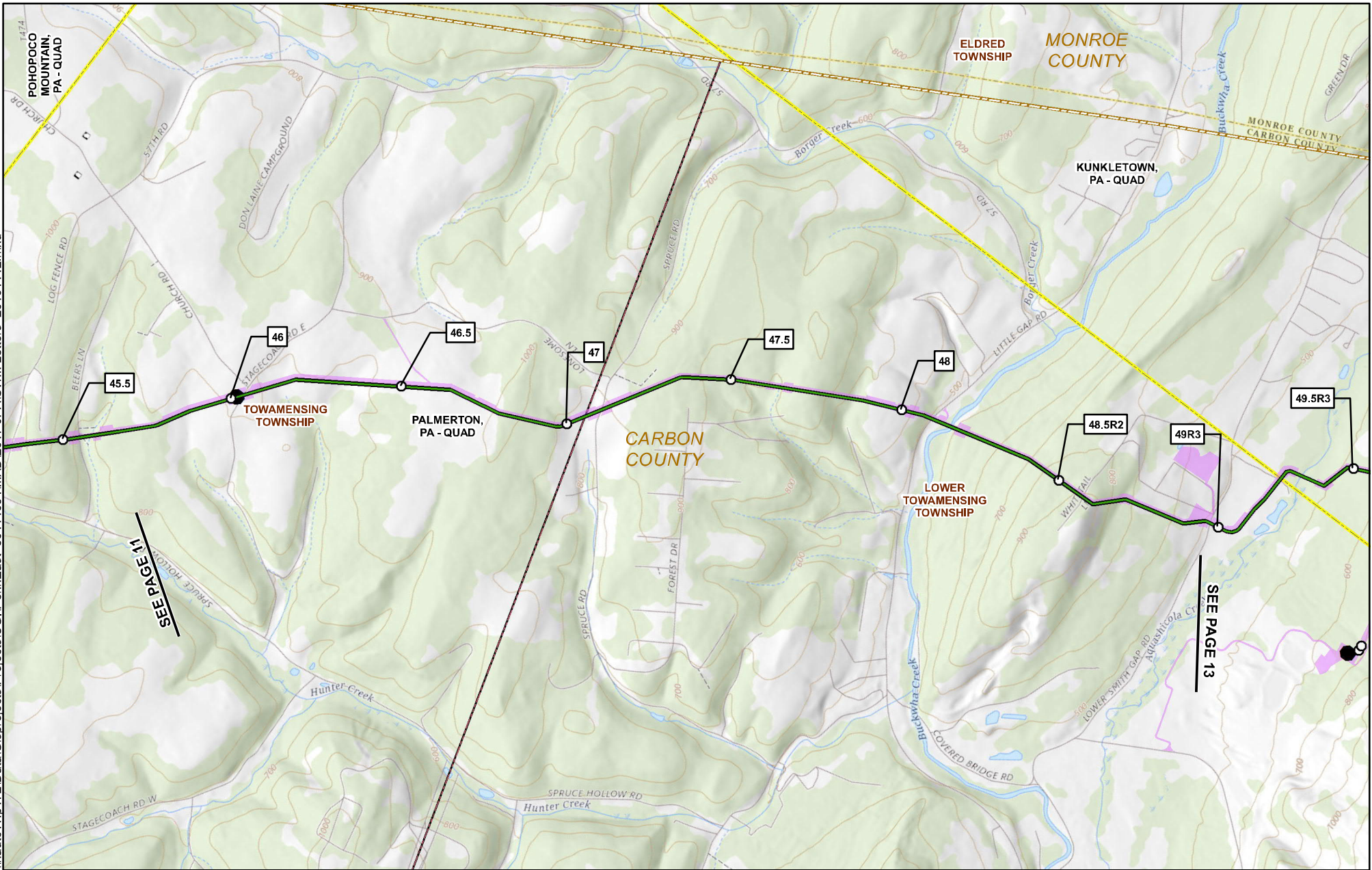


ABSOLUTE SCALE:  
1:24,000

REFERENCE SCALE:  
1 IN = 2,000 FT



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<b>REV. DATE:</b> 11/19/2018
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<b>PAGE:</b> PAGE 11 OF 20



<b>1</b>	MILEPOST		PROPOSED CONSTRUCTION LIMIT
<b>1R</b>	MILEPOST (STATION EQUATION DUE TO REROUTE)		USGS QUADRANGLE BOUNDARY
	PROPOSED PERMANENT ABOVE GROUND FACILITY		TOWNSHIP BOUNDARY
	PROPOSED HELLERTOWN LATERAL		COUNTY BOUNDARY
	PROPOSED PENNEAST PIPELINE CENTERLINE		STATE BOUNDARY

## PENNEAST PIPELINE PROJECT USGS QUADRANGLE MAP

**CARBON COUNTY,  
PENNSYLVANIA**



ABSOLUTE SCALE:  
1:24,000

REFERENCE SCALE:  
1 IN = 2,000 FT



<b>DRAWN BY:</b> KFS
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<b>REVISION:</b>
<b>DESC:</b> ISSUED FOR PERMITTING
<b>PAGE:</b> PAGE 12 OF 20

SEE PAGE 11

SEE PAGE 13

Form



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

**GENERAL INFORMATION FORM – AUTHORIZATION APPLICATION**

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

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

**CLIENT INFORMATION**

DEP Client ID#	Client Type / Code			
	LLC			
Organization Name or Registered Fictitious Name	Employer ID# (EIN)	Dun & Bradstreet ID#		
PennEast Pipeline Company LLC	47-1573364			
Individual Last Name	First Name	MI	Suffix	SSN
Additional Individual Last Name	First Name	MI	Suffix	SSN
Mailing Address Line 1	Mailing Address Line 2			
1 Meridian Boulevard	Suite 2C01			
Address Last Line – City	State	ZIP+4	Country	
Wyomissing	PA	19610	USA	
Client Contact Last Name	First Name	MI	Suffix	
Holly	Amber			
Client Contact Title	Phone		Ext	
Environmental Project Manager	610-373-7999		1172	
Email Address	FAX			
aholly@ugies.com				

**SITE INFORMATION**

DEP Site ID#	Site Name				
	PennEast Pipeline Project				
EPA ID#	Estimated Number of Employees to be Present at Site				
Description of Site	Proposed natural gas pipeline right-of-way and the associated temporary workspace, compressor station, appurtenant facilities, access roads, staging areas, and wareyards necessary to construct the Project. Additional site description information is provided in JPA Section J - Project Narrative.				
County Name	Municipality	City	Boro	Twp	State
Luzerne, Carbon, Monroe, Northampton, and Bucks	(Luzerne:) Bear Creek Twp, Dallas Twp, Jenkins Twp, Kingston Twp, Plains Twp, West Wyoming Borough, Wyoming Borough, (Carbon:) Kidder Twp, Lower Towamensing Twp, Penn Forest Twp, Towamensing Twp, (Monroe:) Eldred Twp, (Northampton:) Bethlehem Twp, East Allen Twp, Easton City, Lower Nazareth Twp, Lower Saucon Twp, Moore Twp, Upper Nazareth Twp, Williams Twp, (Bucks:) Durham Twp, Riegelsville Borough	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	PA
County Name	Municipality	City	Boro	Twp	State
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Site Location Line 1	Site Location Line 2				
The PA portion of the PennEast Mainline Pipeline begins in Dallas Twp, Luzerne County and extends to Durham	The Hellertown Lateral is located in Lower Saucon Twp, Northampton County. Additional site location information				

Twp, Bucks County. Additional site location information is provided in JPA Section J - Project Narrative.

Site Location Last Line – City State ZIP+4

**Detailed Written Directions to Site**

From Wilkes-Barre: head north on PA-309. At the intersection with State Route 415, bear right to continue on State Route 309/Tunkhannock Highway. After 1 mile, turn right on Upper Demunds Road. Immediately turn right on Hildebrandt Road. After 0.7 mile, turn right onto an unnamed road and follow 0.25 mile to the Wyoming Interconnect and the start of the PennEast Mainline. The entry and exit location for each county crossed by the Project is provided in JPA Section J - Project Narrative.

<b>Site Contact Last Name</b> Holly		<b>First Name</b> Amber	<b>MI</b>	<b>Suffix</b>
<b>Site Contact Title</b> Environmental Project Manager		<b>Site Contact Firm</b> UGI Energy Services, LLC		
<b>Mailing Address Line 1</b> 1 Meridian Boulevard		<b>Mailing Address Line 2</b> Suite 2C01		
<b>Mailing Address Last Line – City</b> Wyomissing		<b>State</b> PA	<b>ZIP+4</b> 19610	
<b>Phone</b> 610-373-7999	<b>Ext</b> 1172	<b>FAX</b>	<b>Email Address</b> aholly@ugies.com	
<b>NAICS Codes</b> (Two- & Three-Digit Codes – List All That Apply) 22, 23, 48			<b>6-Digit Code</b> (Optional) 221210, 237120, 486210	
<b>Client to Site Relationship</b> OWNOP				

**FACILITY INFORMATION**

<b>Modification of Existing Facility</b>		<b>Yes</b>	<b>No</b>
1.	Will this project modify an existing facility, system, or activity?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2.	Will this project involve an addition to an existing facility, system, or activity?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<i>If "Yes", check all relevant facility types and provide DEP facility identification numbers below.</i>			

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

<b>Latitude/Longitude Point of Origin</b>	<b>Latitude</b>			<b>Longitude</b>		
	<b>Degrees</b>	<b>Minutes</b>	<b>Seconds</b>	<b>Degrees</b>	<b>Minutes</b>	<b>Seconds</b>
Station 0+00	41	20	48	75	56	43
<b>Horizontal Accuracy Measure</b>	Feet			--or-- Meters		
<b>Horizontal Reference Datum Code</b>	<input type="checkbox"/> North American Datum of 1927 <input type="checkbox"/> North American Datum of 1983 <input checked="" type="checkbox"/> World Geodetic System of 1984					
<b>Horizontal Collection Method Code</b>	GISDR					
<b>Reference Point Code</b>	CENTER					
<b>Altitude</b>	Feet 1280			--or-- Meters		
<b>Altitude Datum Name</b>	<input type="checkbox"/> The National Geodetic Vertical Datum of 1929 <input checked="" type="checkbox"/> The North American Vertical Datum of 1988 (NAVD88)					

<b>Altitude (Vertical) Location Datum Collection Method Code</b>	TOPO	
<b>Geometric Type Code</b>	POINT	
<b>Data Collection Date</b>	12/08/2018	
<b>Source Map Scale Number</b>	1	Inch(es) = 2000 Feet
	--or--	Centimeter(s) = Meters

**PROJECT INFORMATION**

**Project Name**  
PennEast Pipeline Project

**Project Description**  
See Project Description in JPA Section J

<b>Project Consultant Last Name</b>	<b>First Name</b>	<b>MI</b>	<b>Suffix</b>
Binckley	Sarah	K	

**Project Consultant Title**      **Consulting Firm**  
Project Manager      AECOM

<b>Mailing Address Line 1</b>	<b>Mailing Address Line 2</b>
625 West Ridge Pike	Suite E-100
<b>Address Last Line – City</b>	<b>State</b> <b>ZIP+4</b>
Conshohocken	PA      19428

<b>Phone</b>	<b>Ext</b>	<b>FAX</b>	<b>Email Address</b>
610-832-2713		610-832-3501	sarah.binckley@aecom.com

<b>Time Schedules</b>	<b>Project Milestone (Optional)</b>
09/2015	PennEast submitted FERC Application for Certificate of Public Convenience and Necessity
02/2016 - 03/2016	PennEast submitted PADEP Joint Permit Applications and ESCGP-2 applications
01/2018	Received FERC Certificate of Public Convenience and Necessity
12/2018	PennEast submits revised Joint Permit Applications and ESCGP-3 applications

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

**LAND USE INFORMATION**

**Note:** Applicants are encouraged to submit copies of local land use approvals or other evidence of compliance with local comprehensive plans and zoning ordinances.

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

### COORDINATION INFORMATION

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

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

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

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

3.0	Will your project, activity, or authorization have anything to do with a well related to oil or gas production, have construction within 200 feet of, affect an oil or gas well, involve the waste from such a well, or string power lines above an oil or gas well? If "Yes", respond to 3.1-3.3. If "No", skip to Question 4.0.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
3.1	Does the oil- or gas-related project involve any of the following: placement of fill, excavation within or placement of a structure, located in, along, across or projecting into a watercourse, floodway or body of water (including wetlands)?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
3.2	Will the oil- or gas-related project involve discharge of industrial wastewater or stormwater to a dry swale, surface water, ground water or an existing sanitary sewer system or storm water system? If "Yes", discuss in <i>Project Description</i> .	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
3.3	Will the oil- or gas-related project involve the construction and operation of industrial waste treatment facilities?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
4.0	Will the project involve a construction activity that results in earth disturbance? If "Yes", specify the total disturbed acreage. 4.0.1 Total Disturbed Acreage 1289.4	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
5.0	Does the project involve any of the following? If "Yes", respond to 5.1-5.3. If "No", skip to Question 6.0.	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
5.1	Water Obstruction and Encroachment Projects – Does the project involve any of the following: placement of fill, excavation within or placement of a structure, located in, along, across or projecting into a watercourse, floodway or body of water?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
5.2	Wetland Impacts – Does the project involve any of the following: placement of fill, excavation within or placement of a structure, located in, along, across or projecting into a wetland?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
5.3	Floodplain Projects by the commonwealth, a Political Subdivision of the commonwealth or a Public Utility – Does the project involve any of the following: placement of fill, excavation within or placement of a structure, located in, along, across or projecting into a floodplain?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
6.0	Will the project involve discharge of stormwater or wastewater from an industrial activity to a dry swale, surface water, ground water or an existing sanitary sewer system or separate storm water system?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
7.0	Will the project involve the construction and operation of industrial waste treatment facilities?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
8.0	Will the project involve construction of sewage treatment facilities, sanitary sewers, or sewage pumping stations? If "Yes", indicate estimated proposed flow (gal/day). Also, discuss the sanitary sewer pipe sizes and the number of pumping stations/treatment facilities/name of downstream sewage facilities in the <i>Project Description</i> , where applicable. 8.0.1 Estimated Proposed Flow (gal/day)	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
9.0	Will the project involve the subdivision of land, or the generation of 800 gpd or more of sewage on an existing parcel of land or the generation of an additional 400 gpd of sewage on an already-developed parcel, or the generation of 800 gpd or more of industrial wastewater that would be discharged to an existing sanitary sewer system? 9.0.1 Was Act 537 sewage facilities planning submitted and approved by DEP? If "Yes" attach the approval letter. Approval required prior to 105/NPDES approval.	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
10.0	Is this project for the beneficial use of biosolids for land application within Pennsylvania? If "Yes" indicate how much (i.e. gallons or dry tons per year). 10.0.1 Gallons Per Year (residential septage) _____ 10.0.2 Dry Tons Per Year (biosolids) _____	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
11.0	Does the project involve construction, modification or removal of a dam? If "Yes", identify the dam. 11.0.1 Dam Name	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No

12.0	Will the project interfere with the flow from, or otherwise impact, a dam? If "Yes", identify the dam.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
12.0.1	Dam Name				
13.0	Will the project involve operations (excluding during the construction period) that produce air emissions (i.e., NOX, VOC, etc.)? If "Yes", identify each type of emission followed by the amount of that emission.	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
13.0.1	Enter all types & amounts of emissions; separate each set with semicolons.	The Project operational total Potential to Emit (PTE) in tons per year includes: NOx – 141; CO – 141; SO2 – 5.8; PM10 – 28; PM2.5 – 28; VOC – 13; GHG – 260,800; CH2O – 3.9; Total HAPs – 5.1			
14.0	Does the project include the construction or modification of a drinking water supply to serve 15 or more connections or 25 or more people, at least 60 days out of the year? If "Yes", check all proposed sub-facilities.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
14.0.1	Number of Persons Served				
14.0.2	Number of Employee/Guests				
14.0.3	Number of Connections				
14.0.4	Sub-Fac: Distribution System	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
14.0.5	Sub-Fac: Water Treatment Plant	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
14.0.6	Sub-Fac: Source	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
14.0.7	Sub-Fac: Pump Station	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
14.0.8	Sub Fac: Transmission Main	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
14.0.9	Sub-Fac: Storage Facility	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
15.0	Will your project include infiltration of storm water or waste water to ground water within one-half mile of a public water supply well, spring or infiltration gallery?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
16.0	Is your project to be served by an existing public water supply? If "Yes", indicate name of supplier and attach letter from supplier stating that it will serve the project.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
16.0.1	Supplier's Name				
16.0.2	Letter of Approval from Supplier is Attached	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
17.0	Will this project involve a new or increased drinking water withdrawal from a stream or other water body? If "Yes", should reference both Water Supply and Watershed Management.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
17.0.1	Stream Name				
18.0	Will the construction or operation of this project involve treatment, storage, reuse, or disposal of waste? If "Yes", indicate what type (i.e., hazardous, municipal (including infectious & chemotherapeutic), residual) and the amount to be treated, stored, re-used or disposed.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
18.0.1	Type & Amount				
19.0	Will your project involve the removal of coal, minerals, etc. as part of any earth disturbance activities?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
20.0	Does your project involve installation of a field constructed underground storage tank? If "Yes", list each Substance & its Capacity. <b>Note:</b> Applicant may need a Storage Tank Site Specific Installation Permit.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
20.0.1	Enter all substances & capacity of each; separate each set with semicolons.				
21.0	Does your project involve installation of an aboveground storage tank greater than 21,000 gallons capacity at an existing facility? If "Yes", list each Substance & its Capacity. <b>Note:</b> Applicant may need a Storage Tank Site Specific Installation Permit.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
21.0.1	Enter all substances & capacity of each; separate each set with semicolons.				

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

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

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

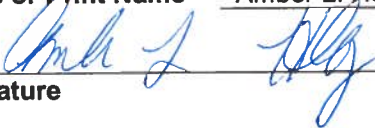
23.0.1 Enter all substances & capacity of each; separate each set with semicolons.

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

**CERTIFICATION**

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

Type or Print Name Amber L. Holly



Environmental Project Manager

Signature

Title

12/10/18

Date


Subject:

FW: FedEx Shipment 773980516547 Delivered



# Your package has been delivered


Tracking # 773980516547

Ship date: <b>Mon, 12/17/2018</b>		Delivery date: <b>Tue, 12/18/2018 10:25 am</b>
<b>Sarah Binckley</b> AECOM CONSHOHOCKEN, PA 19428 US	 <b>Delivered</b>	<b>Brenda Drew</b> Towamensing Township 120 Stable Road LEHIGHTON, PA 18235 US

## Shipment Facts

Our records indicate that the following package has been delivered.

<b>Tracking number:</b>	<a href="#">773980516547</a>
<b>Status:</b>	Delivered: 12/18/2018 10:25 AM Signed for By: E.ESNST
<b>Reference:</b>	60414094. 20000363.00035.08.
<b>Signed for by:</b>	E.ESNST
<b>Delivery location:</b>	LEHIGHTON, 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>	1.00 lb.
<b>Special handling/Services:</b>	Deliver Weekday
<b>Standard transit:</b>	12/18/2018 by 3:00 pm

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All weights are estimated.

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Thank you for your business.