



**Downtown
M&R Mainline
"A" Bypass**

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Path: Y:\Projects\WilliamsNew_York_Boj_Expansion\KID\WilliamsNew_York_Station_Aerial.mxd

<p>Map Location</p>	<p>Legend</p> <p> Approximate Limits of Disturbance</p> <p>0 90 180 Feet</p>	<p>Transcontinental Gas Pipe Line Company New York Bay Expansion</p> <p>Downtown M&R Mainline "A" Bypass East Brandywine Township, PA Attachment 3 Aerial Project Location Map</p>	<p>AECOM 125 Rock Road Horsham, PA 19044 Phone: 215.315.4150</p> <hr/> <p>Appendix A</p> <hr/> <p>June 2015</p> <hr/> <p>Project #: 60342576</p>
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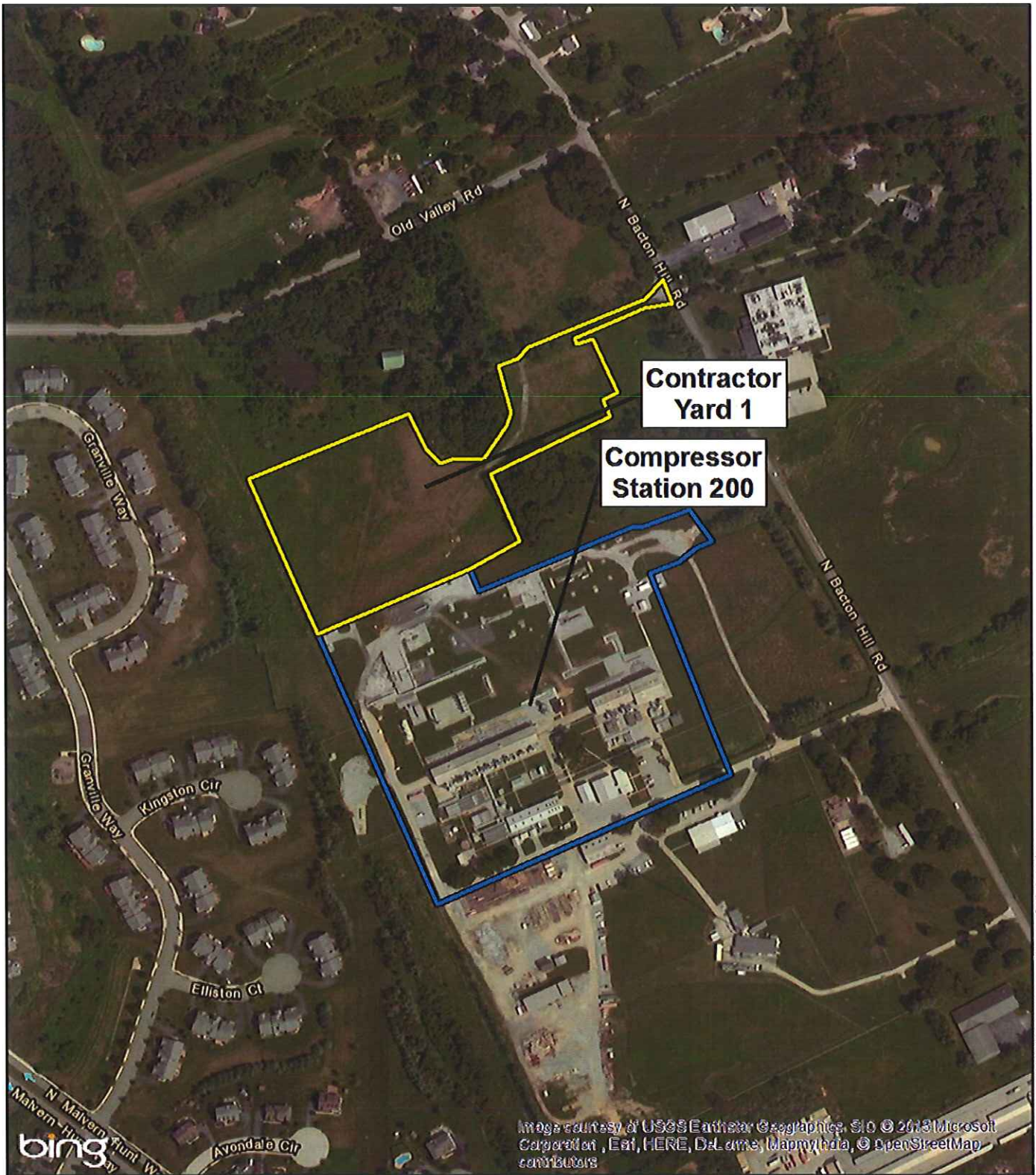


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Legend

- Approximate Limits of Disturbance
- Contractor Yard 1

0 250 500 Feet

N

**Transcontinental Gas Pipe Line Company
New York Bay Expansion**

**Compressor Station 200
East Whiteland Township, PA**

**Attachment 3
Aerial Project Location Map**

AECOM

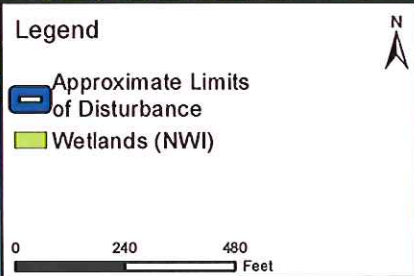
125 Rock Road
Horsham, PA 19044
Phone: 215.315.4150

Appendix A

June 2015

Project #: 60342576

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Transcontinental Gas Pipe Line Company
New York Bay Expansion

Downingtown M&R
Mainline "A" Bypass
Attachment 4
National Wetlands Inventory

AECOM
125 Rock Road
Horsham, PA 19044
Phone: 215.315.4150

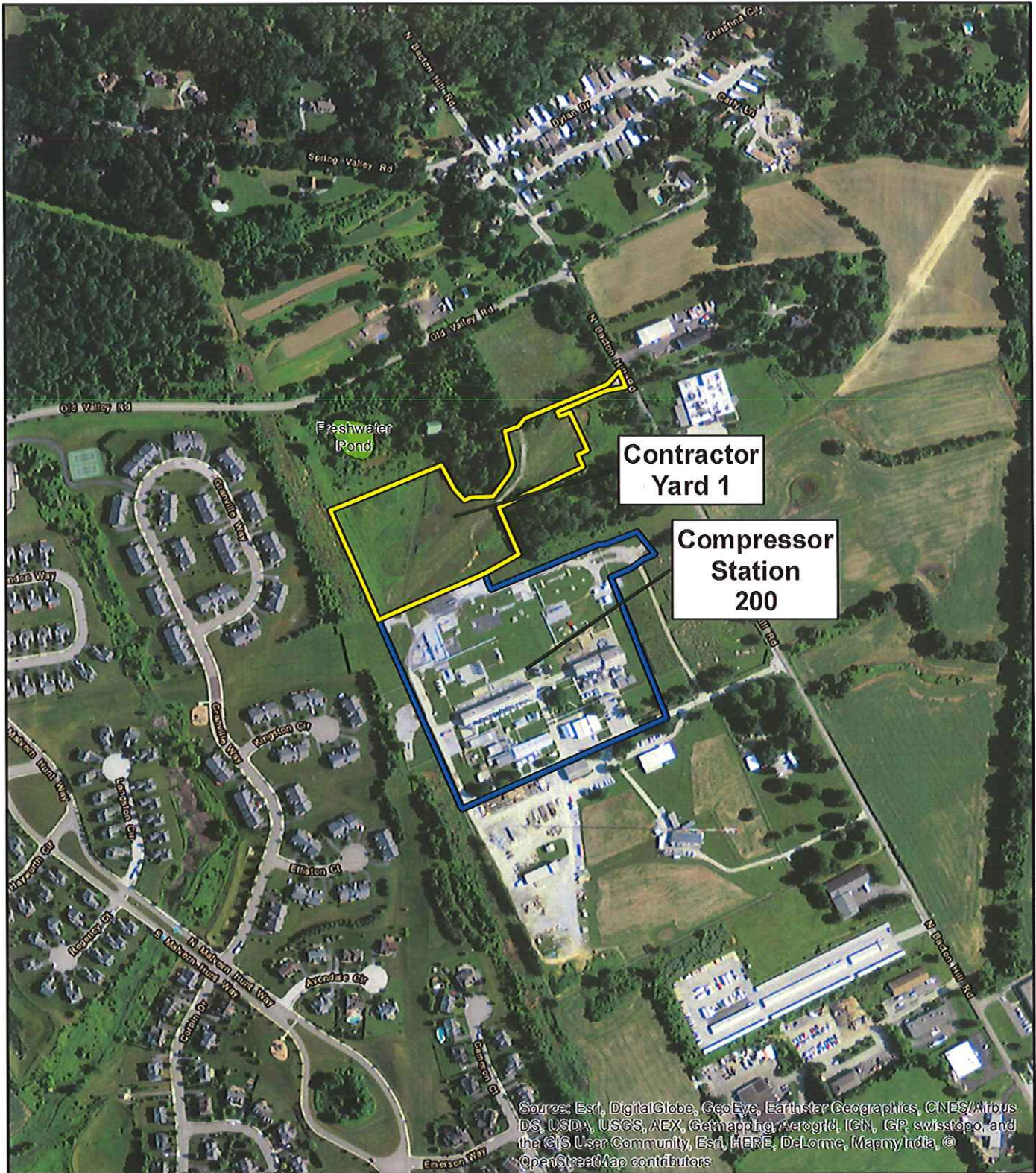
Appendix A

June 2015

Project #: 60342576

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Legend

- Approximate Limits of Disturbance
- Contractor Yard 1
- Wetlands (NWI)

0 300 600 Feet

N

Transcontinental Gas
Pipe Line Company
New York Bay Expansion

Compressor Station 200
East Whiteland Township, PA

Attachment 4
National Wetlands Inventory

AECOM

125 Rock Road
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Appendix A

June 2015

Project #: 60342576

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AREA OF MINIMAL FLOOD HAZARD Zone X

**Downingtown
M&R Mainline
"A" Bypass**

Flood Hazard Zones

Zone Type

-  1% Annual Chance Flood Hazard
-  Regulatory Floodway
-  Special Floodway
-  Area of Undetermined Flood Hazard
-  0.2% Annual Chance Flood Hazard
-  Future Conditions 1% Annual Chance Flood Hazard
-  Area with Reduced Risk Due to Levee


Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

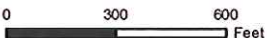
Zone AE

Map Location



Legend

 Approximate Limits of Disturbance



Transcontinental Gas
Pipe Line Company
New York Bay Expansion

Downingtown M&R
Mainline "A" Bypass
East Brandywine Township, PA
Attachment 5
FEMA Flood Hazard Zones

AECOM

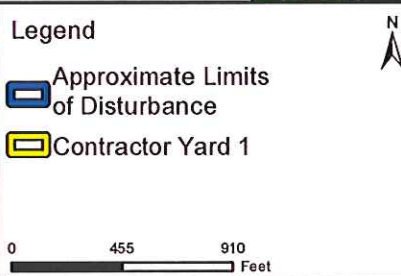
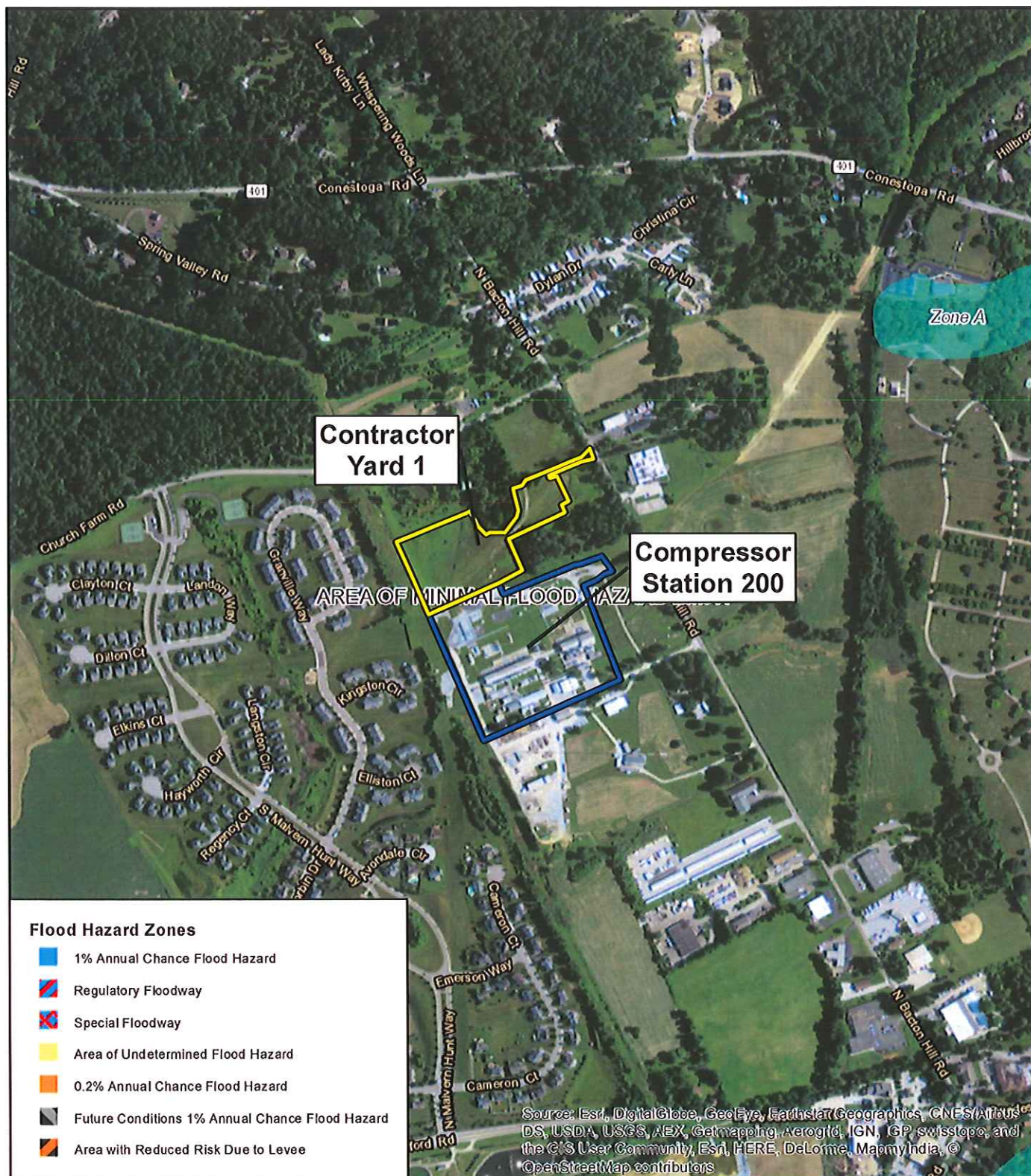
125 Rock Road
Horsham, PA 19044
Phone: 215.315.4150

Appendix A

June 2015

Project #: 60342576

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Transcontinental Gas Pipe Line Company
 New York Bay Expansion

Compressor Station 200
 East Whiteland Township, PA

Attachment 5
 FEMA Flood Hazard Zones

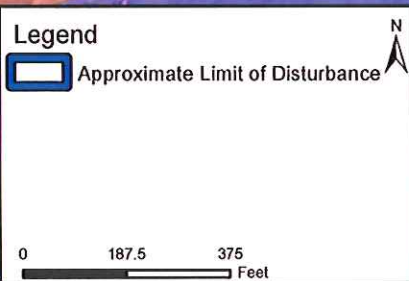
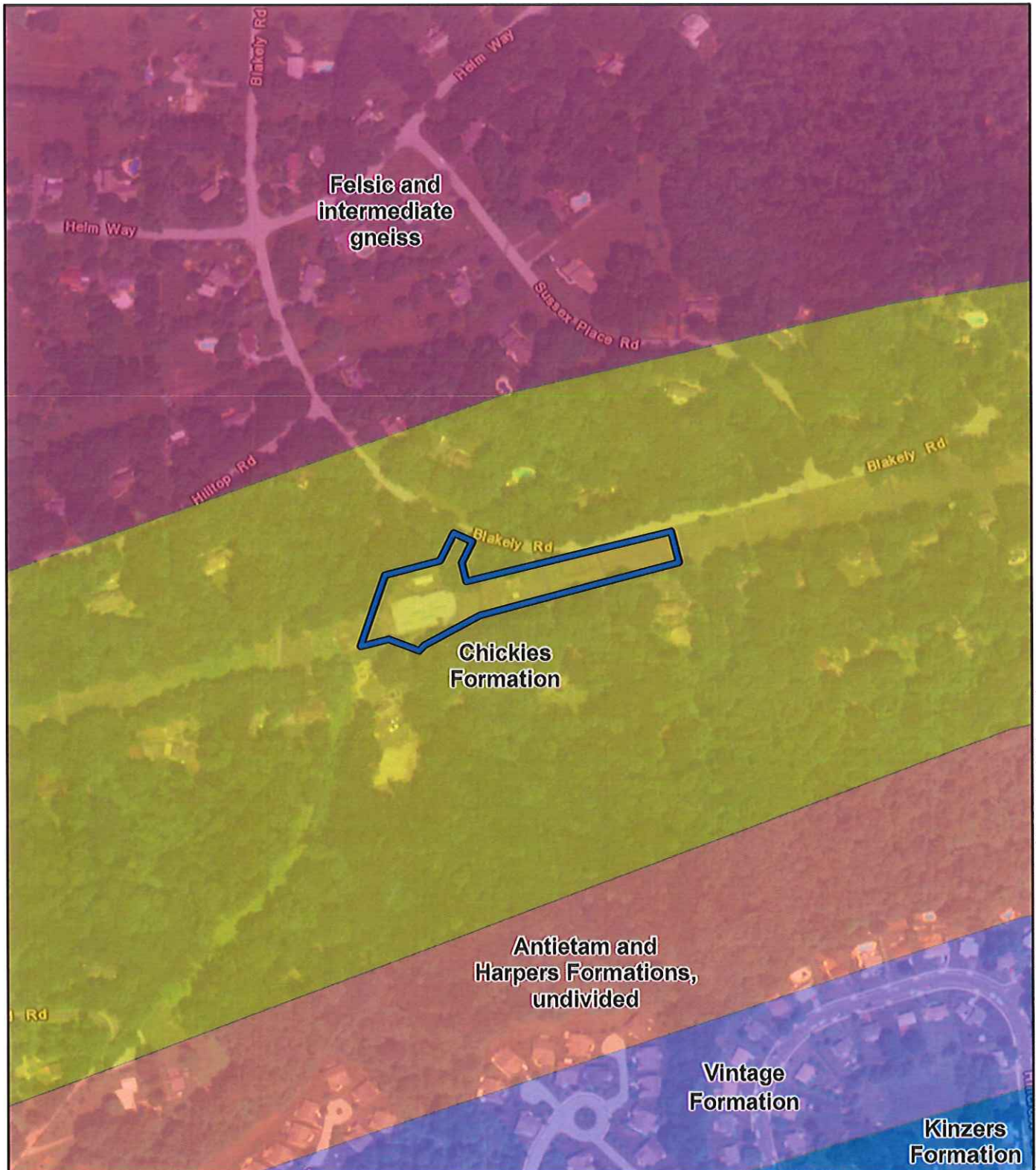
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 125 Rock Road
 Horsham, PA 19044
 Phone: 215.315.4150

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Project #: 60342576

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Transcontinental Gas Pipe Line Company
 New York Bay Expansion
 Downingtown M&R Mainline "A"
 Bypass
 East Brandywine Township,
 Pennsylvania
 Attachment 6
 Bedrock Geology

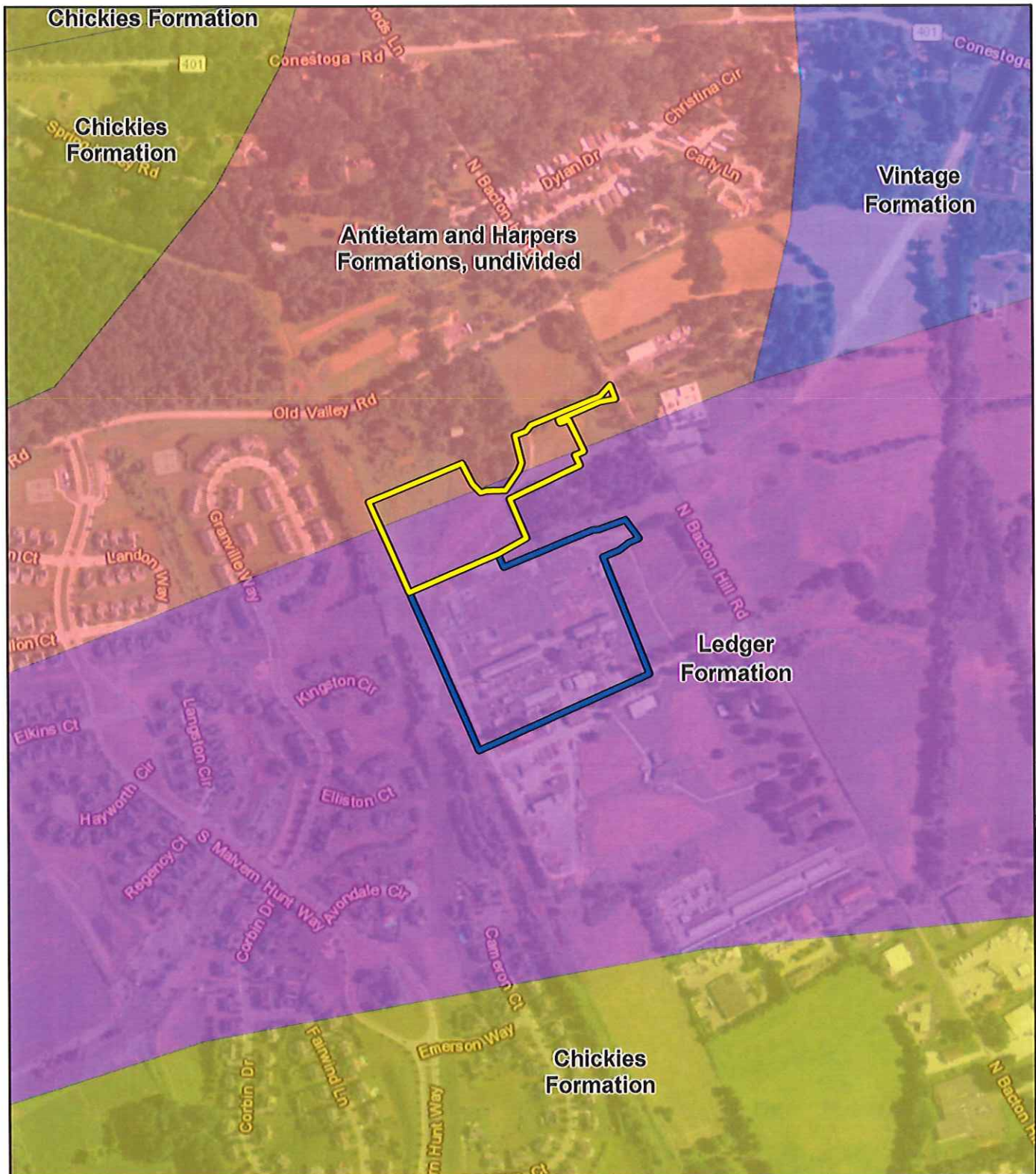
AECOM
 125 Rock Road
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 Phone: 215.315.4150

Appendix A

June 2015

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<p>Map Location</p>	<p>Legend</p> <ul style="list-style-type: none"> Approximate Limit of Disturbance Contractor Yard 1 <p>0 340 680 Feet</p>	<p>Transcontinental Gas Pipe Line Company New York Bay Expansion Compressor Station 200 East Whiteland Township, Pennsylvania</p> <p>Attachment 6 Bedrock Geology</p>	<p>AECOM 125 Rock Road Horsham, PA 19044 Phone: 215.315.4150</p> <p>Appendix A</p> <p>June 2015</p> <p>Project #: 60342576</p>
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Legend

- Approximate Limit of Disturbance
- Soil map unit

N

0 90 180
Feet

Transcontinental Gas
Pipe Line Company
New York Bay Expansion
Downington M&R Mainline "A"
Bypass
East Brandywine Township,
Pennsylvania
Attachment 7
Soils Map

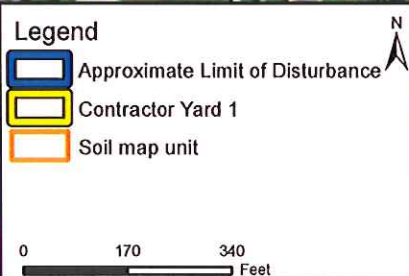
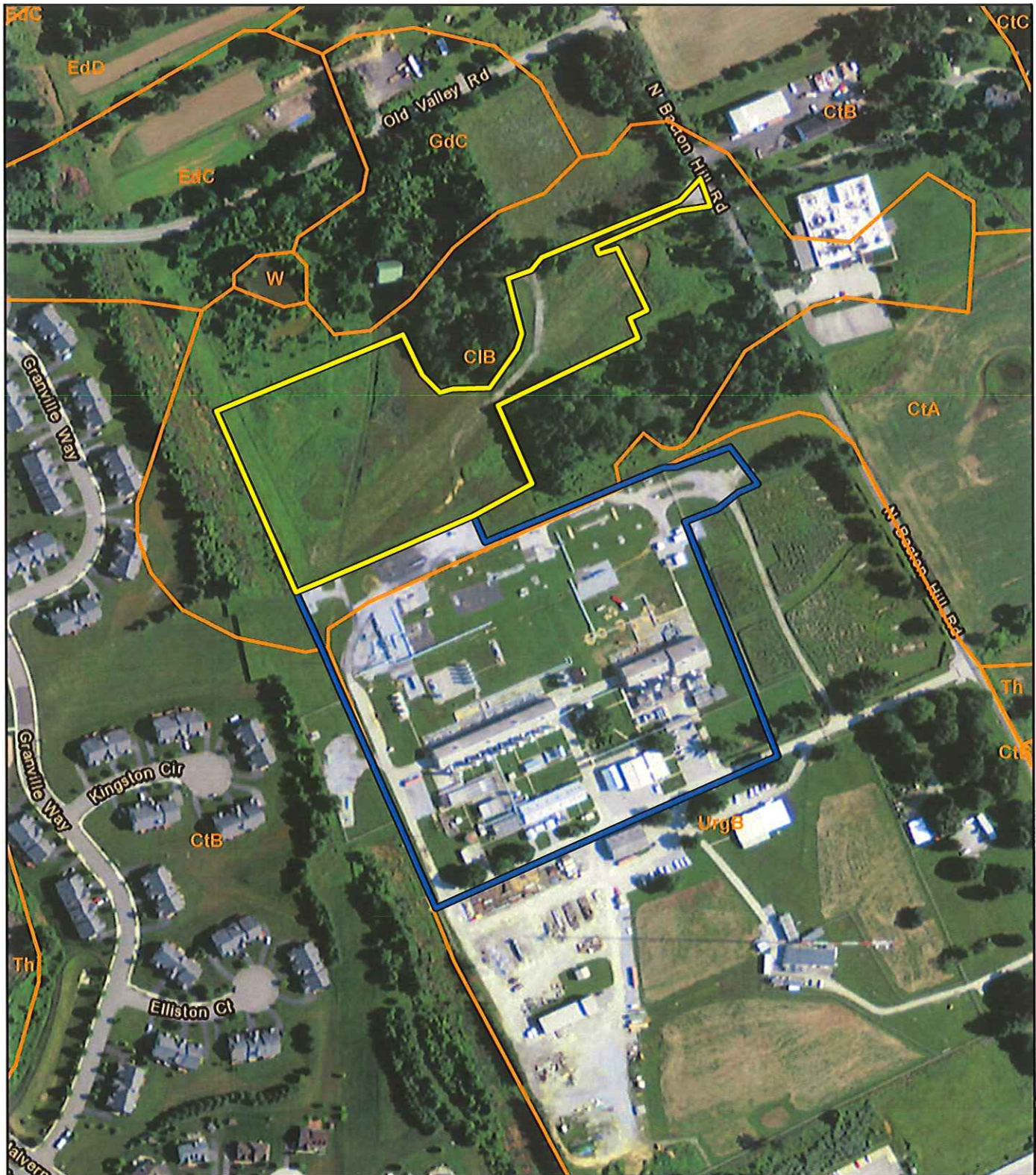
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125 Rock Road
Horsham, PA 19044
Phone: 215.315.4150

Appendix A

June 2015

Project #: 60342576

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Transcontinental Gas
 Pipe Line Company
 New York Bay Expansion
 Compressor Station 200
 East Whiteland Township,
 Pennsylvania

Attachment 7
 Soils Map

AECOM
 125 Rock Road
 Horsham, PA 19044
 Phone: 215.315.4150

Appendix A

June 2015

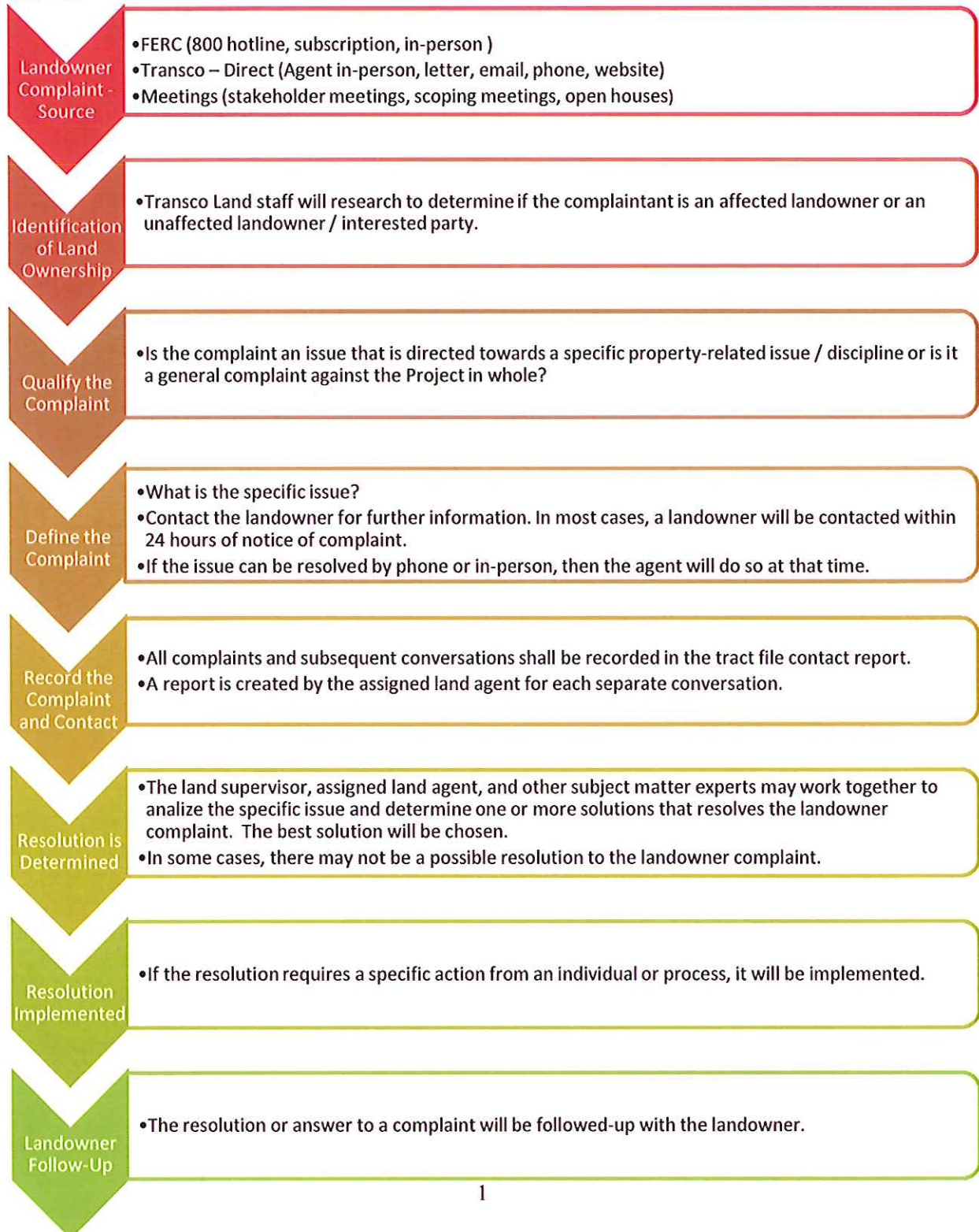
Project #: 60342576

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Landowner Complaint Resolution

Transcontinental Gas Pipe Line Company, LLC (Transco) is proposing the New York Bay Expansion Project (Project), which consists of upgrades at facilities on its existing natural gas transmission system. Landowner complaints and/or concerns are of major importance to Transco. It is imperative that identified concerns be addressed in a timely manner to effectively determine a resolution. The landowner complaint resolution process is illustrated in Figure 1.

Figure 1





Transcontinental Gas Pipe Line Company, LLC

New York Bay Expansion Project

Public

Unanticipated Cultural Resources Discovery Plan

July 2015

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1.0 INTRODUCTION

Transcontinental Gas Pipe Line Company, LLC (Transco) is filing an application for a Certificate of Public Convenience and Necessity (Certificate) with the Federal Energy Regulatory Commission (FERC or Commission) to construct facilities on its existing natural gas transmission system. The Project will provide 115,000 dekatherms per day (dth/d) of incremental firm transportation service from Transco's existing Station 195 in York County, Pennsylvania with 65,000 dth/d delivered to Transco's offshore Rockaway Transfer Point on Transco's New York Bay Lateral and 50,000 dth/d delivered to Transco's Narrows meter station in Richmond County, New York. The Project consists of the following components (refer to Project overview map provided in Volume 1, Appendix A, Attachment 1):

Aboveground Facilities

- Mainline Facilities
 - Downingtown Metering and Regulating Station (Downingtown M&R Station) Mainline "A" Bypass in Chester County, Pennsylvania (PA) – Install approximately 80 feet of new 30-inch bypass piping at the station and modifications to station valves and yard piping.
 - Compressor Station 200 (Station 200) in Chester County, PA – Uprate total station horsepower (hp) from 30,860 hp to 33,000 hp (2,140 hp increase) and install two actuators on mainline regulators.
 - Compressor Station 303 (Station 303) in Essex County, New Jersey (NJ) – Re-gear existing gear box Unit 1; uprate Unit 1 from 25,000 hp to 27,500 hp.
- Lower New York Bay Lateral Facilities
 - Compressor Station 207 (Station 207) in Middlesex County, NJ – The addition of 11,000 hp at Station 207 includes the installation of one electric motor driven compression unit, gas cooling, appurtenant facilities, and modifications to station piping and valves.
 - Morgan Metering and Regulating Station (Morgan M&R Station) in Middlesex County, NJ – Install skid-mounted pressure regulators and associated building and modify station valves and yard piping to maintain 960 pounds per square inch gauge (psig) maximum allowable operating pressure (MAOP) of existing M&R infrastructure.
- Narrows Metering and Regulating Station (Narrows M&R Station) Facilities
 - Narrows M&R Station in Richmond County, New York (NY) – Modify existing metering and regulating (M&R) infrastructure to accommodate larger volumes (50,000 dth/d). These activities include modifications to station piping and valves and installation of a new Remote Terminal Unit (RTU) building.

- Temporary offsite M&R – Install temporary metering and regulating skid upstream of the Narrows M&R Station at the Staten Island Heater site to accommodate outage at the Narrows M&R Station.

Pipeline Facilities

- Lower New York Bay Lateral Facilities
 - Replace 0.25 miles (in three segments) of Transco’s Lower New York Bay Lateral Mainline “C” 42-inch diameter pipeline (LNYB Replacements) in Middlesex County, NJ; uprate downstream of Station 207 from 960 psig to 1,000 psig.

Construction of the Project is scheduled to begin in the fourth quarter of 2016 at Station 207 with the remainder of the Project components beginning construction in the second quarter of 2017 in order to meet a target in-service date of November 1, 2017.

2.0 PROCEDURES FOR THE UNANTICIPATED DISCOVERY OF CULTURAL RESOURCES

The following procedures are designed to deal with unanticipated discovery of cultural resources encountered during construction. This plan was developed in accordance with 36CFR800.13 (Post-Review Discovery clause), as well as:

Pennsylvania

Guidelines for Archaeological Investigations in Pennsylvania (PHMC-BHP 2008);
 Pennsylvania Historic Burial Places Act of 1994; and,
 Pennsylvania Consolidated Statutes Title 37 Section 104 et. seq.

New Jersey

Guidelines for Phase I Archaeological Investigations: Identification of Archaeological Resources. (NJHPO 2004);
 New Jersey Cemetery Board Laws

New York

Phase I Archaeological Report Format Requirements (OPRHP 2005);
 New York Archaeological Council’s Standards for Cultural Resource Investigations and the Curation of Archaeological Collections in New York State (1994).

All inspectors (environmental and construction) have the responsibility to monitor the construction sites for potential archaeological remains throughout construction. Archaeological remains consist of man-made objects or features greater than 50 years of age. These remains include, but are not limited to, items such as artifacts (e.g., stone flakes, stone tools, ceramics, glass, architectural material), fire pits, building foundations, and human remains.

If, during the course of construction, potential archaeological remains are identified, the Environmental or Construction Inspector will immediately notify the Construction Supervisor who will immediately halt work in the vicinity (minimum of 25 feet) of the potential find. At this point, Transco will notify the SHPO (as appropriate to each affected state), the FERC, and any federally recognized Indian tribes (Indian tribe) with an interest in the project area. Transco also will hire a state-approved archaeological consultant who will survey the site and provide an immediate verbal report to Transco and the SHPO. Transco will notify the FERC of the report and continue to consult with the SHPO's office, as per the requirements of Section 106 of the National Historic Preservation Act (NHPA). Communications, such as consultation, transmittals, and reports may be provided via e-mail, as appropriate and acceptable to each agency. Contact information for various agencies is listed below:

SHPOPennsylvania

Mr. Douglas C. McLearen
Chief, Division of Archaeology & Protection
Pennsylvania Historical and Museum Commission
Bureau for Historic Preservation
400 North Street, Commonwealth Keystone Building, 2nd Floor
Harrisburg, Pennsylvania 17120-0093
717-772-0925
dmclearen@pa.gov

New Jersey

Daniel Saunders, Deputy SHPO
State of New Jersey, Department of Environmental Protection
Historic Preservation Office
501 E. State Street
Building 5, 4th Floor
Trenton, NJ 08625
Phone: (609) 633-2397

New York

Mr. Phil Perazio
New York State Office of Parks, Recreation & Historic Preservation
Pebbles Island Resource Center
Delaware Avenue
Cohoes, NY 12047
Phone: 518-237-8643 ext. 3276
Philip.Perazio@parks.ny.gov

FERC

To Be Determined

Transco

James D. Bloemker (Cultural Resources)
Transcontinental Gas Pipe Line Company, LLC
2800 Post Oak Boulevard
Houston, Texas 77056
713-215-2656
James.D.Bloemker@Williams.com

If the unanticipated discovery is determined to be ineligible for inclusion in the NRHP, Transco will proceed with the project following written concurrence from the SHPO and approval from the FERC. If the site is determined to be potentially eligible for inclusion in the NRHP, additional work, such as a Determination of Eligibility or Data Recovery, will be performed as required/approved by the SHPO and the FERC. Further construction work at the site will be suspended until all criteria of Section 106 of the NHPA and other related federal and state regulations have been successfully completed. Construction activities will be kept a minimum of 25 feet from the site (dependent on the site type, location, construction design, and agency consultation) and will be separated from the site by temporary fencing.

In the event that human remains are discovered during construction, the Construction Supervisor will immediately halt work and notify the local law enforcement agency and medical examiner. The construction supervisor will ensure that human remains are protected from further damage, intrusion, or removal until proper examinations can be performed. Discovery of human remains should not be made public. Construction activities including vehicle traffic will be kept a minimum of 25 feet from the remains (dependent on the location, construction design, and agency consultation) and will be separated from the remains by temporary fencing. If remains are found not to be of recent origin, Transco will contact the FERC and the SHPO and ensure that relevant laws are followed. As soon as a determination has been made that the human remains are Native American, the FERC will contact appropriate Indian tribe representatives for the region in which the remains were found. *If the remains are not Native American, FERC and Transco will take into account guidance in National Register Bulletin 41: Guidelines for Evaluating and Registering Cemeteries and Burial Places.* Provision for security to protect human remains from vandalism will be taken, including monitoring of the area. Transco will notify the FERC of the situation and will continue to keep the FERC informed as to the progress of further consultation. Only if avoidance is not possible will Transco proceed with removal of the human remains, in consultation with a state-approved consultant, the Indian tribe representatives (if appropriate), the SHPO, and the FERC. Only after the human remains have been properly removed from the site should construction of the Project facilities in the site area be resumed.

In summary, under no circumstances should human remains be removed from the site without completing all permitting and coordination processes, as appropriate, with the local police, the medical examiner, the SHPO, Indian tribe representatives as appropriate, and the FERC. Further work at the site will be suspended until all criteria of Section 106 of the NHPA and other related state and federal regulations have been successfully completed.

3.0 REFERENCES

Pennsylvania Historical and Museum Commission – Bureau for Historic Preservation (PHMC-BHP).

2008. *Guidelines for Archaeological Investigations in Pennsylvania*. Harrisburg.

http://www.portal.state.pa.us/portal/server.pt/community/historic_preservation/3741/forms_and_guidance/418107

New Jersey Historic Preservation Office (NJHPO). 2004. Guidelines for Phase I Archaeological

Investigations: Identification of Archaeological Resources.

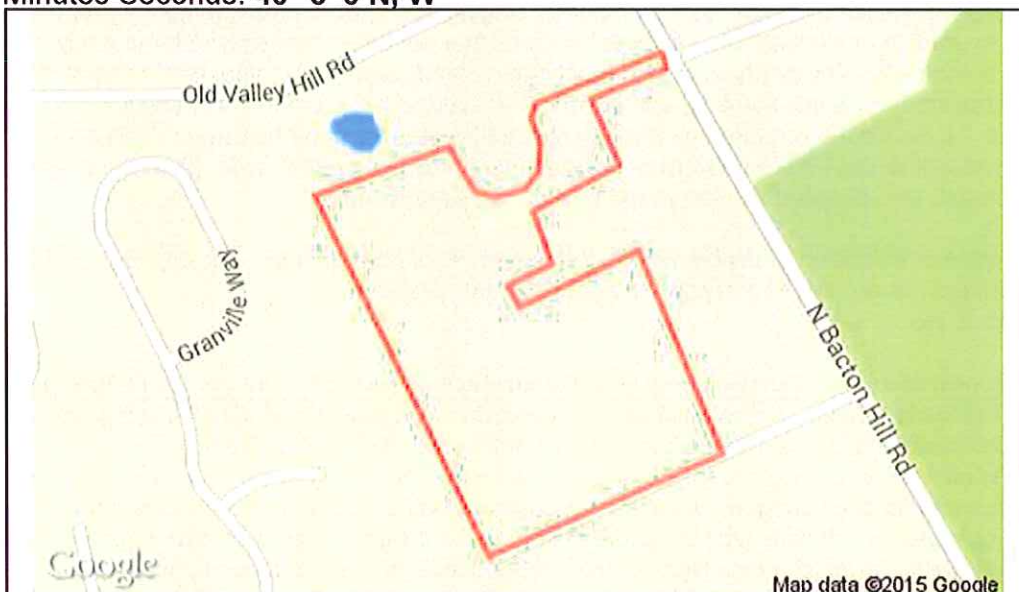
<http://www.nj.gov/dep/hpo/1identify/arkeoguide1.htm>

New York Archaeological Council. 1994. *Standards for Cultural Resource Investigations and the Curation of Archaeological Collections in New York State*.

New York Office of Parks, Recreation, and Historic Preservation. 2005. *Phase I Archaeological Report Format Requirements*.

1. PROJECT INFORMATION

Project Name: **NYBE-Station 200**
 Date of review: **5/20/2015 3:06:17 PM**
 Project Category: **Energy Storage, Production, and Transfer,Energy Transfer,Pipeline (gas, oil) - service, replace existing line**
 Project Area: **20.6** acres
 County: **Chester Township/Municipality: East Whiteland**
 Quadrangle Name: **MALVERN ~ ZIP Code: 19341**
 Decimal Degrees: **40.050043 N, -75.587770 W**
 Degrees Minutes Seconds: **40° 3' 0 N, W**



2. SEARCH RESULTS

Agency	Results	Response
PA Game Commission	No Known Impact	No Further Review Required
PA Department of Conservation and Natural Resources	Potential Impact	FURTHER REVIEW IS REQUIRED, See Agency Response
PA Fish and Boat Commission	No Known Impact	No Further Review Required
U.S. Fish and Wildlife Service	Potential Impact	MORE INFORMATION REQUIRED, See Agency Response

As summarized above, Pennsylvania Natural Diversity Inventory (PNDI) records indicate there may be potential impacts to threatened and endangered and/or special concern species and resources within the project area. If the response above indicates "No Further Review Required" no additional communication with the respective agency is required. If the response is "Further Review Required" or "See Agency Response," refer to the appropriate agency comments below. Please see the DEP Information Section of this receipt if a PA Department of Environmental Protection Permit is required.

Note that regardless of PNDI search results, projects requiring a Chapter 105 DEP individual permit or GP 5, 6, 7, 8, 9 or 11 in certain counties (Adams, Berks, Bucks, Carbon, Chester, Cumberland, Delaware, Lancaster, Lebanon, Lehigh, Monroe, Montgomery, Northampton, Schuylkill and York) must comply with the bog turtle habitat screening requirements of the PASPGP.

RESPONSE TO QUESTION(S) ASKED

Q1: "Accurately describe what is known about wetland presence in the project area or on the land parcel by selecting ONE of the following. ""Project"" includes all features of the project (including buildings, roads, utility lines, outfall and intake structures, wells, stormwater retention/detention basins, parking lots, driveways, lawns, etc.), as well as all associated impacts (e.g., temporary staging areas, work areas, temporary road crossings, areas subject to grading or clearing, etc.). Include all areas that will be permanently or temporarily affected -- either directly or indirectly -- by any type of disturbance (e.g., land clearing, grading, tree removal, flooding, etc.). Land parcel = the lot(s) on which some type of project(s) or activity(s) are proposed to occur ."

Your answer is: **"4. Someone qualified to identify and delineate wetlands has investigated the site, and determined that wetlands ARE located in or within 300 feet of the project area. (A written report from a wetland specialist, and detailed project maps should document this.) "**

Q2: Will any forest or woodland areas be disturbed (temporarily or permanently), cut, cleared, inundated (flooded), or sprayed as a result of carrying out any part of this project?

Your answer is: **2. No**

Q3: Accurately describe what is known about wetland presence in the project area or on the land parcel by selecting ONE of the following. "Project" includes all features of the project (including buildings, roads, utility lines, outfall and intake structures, wells, stormwater retention/detention basins, parking lots, driveways, lawns, etc.), as well as all associated impacts (e.g., temporary staging areas, work areas, temporary road crossings, areas subject to grading or clearing, etc.). Include all areas that will be permanently or temporarily affected -- either directly or indirectly -- by any type of disturbance (e.g., land clearing, grading, tree removal, flooding, etc.). Land parcel = the lot(s) on which some type of project(s) or activity(s) are proposed to occur.

Your answer is: **4. Someone qualified to identify and delineate wetlands has investigated the site, and determined that wetlands ARE located in or within 300 feet of the project area. (A written report from the wetland specialist, and detailed project maps should document this.)**

Q4: Will this project or any project-related activities require any in-stream work, or a permanent or temporary crossing of a waterway (stream, river, creek, tributary)?

Your answer is: **2. No**

3. AGENCY COMMENTS

Regardless of whether a DEP permit is necessary for this proposed project, any potential impacts to threatened and endangered species and/or special concern species and resources must be resolved with the appropriate jurisdictional agency. In some cases, a permit or authorization from the jurisdictional agency may be needed if adverse impacts to these species and habitats cannot be avoided.

These agency determinations and responses are **valid for two years** (from the date of the review), and are based on the project information that was provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the following change: 1) project location, 2) project size or configuration, 3) project type, or 4) responses to the questions that were asked during the online review, the results of this review are not valid, and the review must be searched again via the PNDI Environmental Review Tool and resubmitted to the jurisdictional agencies. The PNDI tool is a primary screening tool, and a desktop review may reveal more or fewer impacts than what is listed on this PNDI receipt. The jurisdictional agencies **strongly advise against** conducting surveys for the species

PNDI Project Environmental Review Receipt

Project Search ID: 20150520513485

listed on the receipt prior to consultation with the agencies.

PA Game Commission

RESPONSE: No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Department of Conservation and Natural Resources

RESPONSE: Further review of this project is necessary to resolve the potential impacts(s). Please send project information to this agency for review (see WHAT TO SEND).

DCNR Species: (Note: The PNDI tool is a primary screening tool, and a desktop review may reveal more or fewer species than what is listed below. After desktop review, if a botanical survey is required by DCNR, we recommend the DCNR Botanical Survey Protocols, available here: http://www.gis.dcnr.state.pa.us/hgis-er/PNDI_DCNR.aspx.)

Scientific Name: Viburnum nudum

Common Name: Possum-haw

Current Status: Endangered

Proposed Status: Endangered

Scientific Name: Woodwardia areolata

Common Name: Netted Chainfern

Current Status: Special Concern Species*

Proposed Status: Threatened

Scientific Name: Sensitive Species**

Common Name:

Current Status: Endangered

Proposed Status: Endangered

PA Fish and Boat Commission

RESPONSE: No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

U.S. Fish and Wildlife Service

RESPONSE: Information Request: Conduct a Bog Turtle Habitat (Phase 1) Survey in accordance with USFWS Guidelines for Bog Turtle Surveys (April 2006). Evaluate all wetlands within 300 feet of the project area, which includes all areas that will be impacted by earth disturbance or project features (e.g., roads, structures, utility lines, lawns, detention basins, staging areas, etc.). IF THE PHASE 1 SURVEY IS DONE BY A QUALIFIED BOG TURTLE SURVEYOR (see <http://www.fws.gov/northeast/pafo/surveys.html>): 1) Send positive results to USFWS for concurrence, along with a project description documenting how impacts will be avoided. OR, conduct a Phase 2 survey and send Phase 1 and 2 results to USFWS for concurrence. 2) Send a courtesy copy of negative results to USFWS (label as "Negative Phase 1 Survey Results by Qualified Bog Turtle Surveyor: USFWS Courtesy Copy"). USFWS approval of negative results is not necessary when a qualified surveyor does

PNDI Project Environmental Review Receipt

Project Search ID: 20150520513485

the survey in full accordance with USFWS guidelines. IF THE PHASE 1 SURVEY IS NOT DONE BY A QUALIFIED SURVEYOR: Send ALL Phase 1 results to USFWS for concurrence, and if potential habitat is found, also send a project description documenting how impacts will be avoided. As a qualified bog turtle surveyor, I _____ (name) certify that I conducted a Phase 1 survey of all wetlands in and within 300 feet of the project area on _____ (date) and determined that bog turtle habitat is absent.

(Signature)

See prior USFWS clearance

* Special Concern Species or Resource - Plant or animal species classified as rare, tentatively undetermined or candidate as well as other taxa of conservation concern, significant natural communities, special concern populations (plants or animals) and unique geologic features.

** Sensitive Species - Species identified by the jurisdictional agency as collectible, having economic value, or being susceptible to decline as a result of visitation.

WHAT TO SEND TO JURISDICTIONAL AGENCIES

If project information was requested by one or more of the agencies above, send the following information to the agency(s) seeking this information (see AGENCY CONTACT INFORMATION).

Check-list of *Minimum Materials to be submitted:*

- ___ SIGNED copy of this Project Environmental Review Receipt
- ___ Project narrative with a description of the overall project, the work to be performed, current physical characteristics of the site and acreage to be impacted.
- ___ Project location information (name of USGS Quadrangle, Township/Municipality, and County)
- ___ USGS 7.5-minute Quadrangle with project boundary clearly indicated, and quad name on the map

The inclusion of the following information may expedite the review process.

- ___ A basic site plan (particularly showing the relationship of the project to the physical features such as wetlands, streams, ponds, rock outcrops, etc.)
- ___ Color photos keyed to the basic site plan (i.e. showing on the site plan where and in what direction each photo was taken and the date of the photos)
- ___ Information about the presence and location of wetlands in the project area, and how this was determined (e.g., by a qualified wetlands biologist), if wetlands are present in the project area, provide project plans showing the location of all project features, as well as wetlands and streams

4. DEP INFORMATION

The Pa Department of Environmental Protection (DEP) requires that a signed copy of this receipt, along with any required documentation from jurisdictional agencies concerning resolution of potential impacts, be submitted with applications for permits requiring PNDI review. For cases where a "Potential Impact" to threatened and endangered species has been identified before the application has been submitted to DEP, the application should not be submitted until the impact has been resolved. For cases where "Potential Impact" to special concern species and resources has been identified before the application has been submitted, the application should be submitted to DEP along with the PNDI receipt. The PNDI Receipt should also be submitted to the appropriate agency according to directions on the PNDI Receipt. DEP and the jurisdictional agency will work together to resolve the potential impact(s). See the DEP PNDI policy at <http://www.naturalheritage.state.pa.us>.

5. ADDITIONAL INFORMATION

The PNDI environmental review website is a preliminary screening tool. There are often delays in updating species status classifications. Because the proposed status represents the best available information regarding the conservation status of the species, state jurisdictional agency staff give the proposed statuses at least the same consideration as the current legal status. If surveys or further information reveal that a threatened and endangered and/or special concern species and resources exist in your project area, contact the appropriate jurisdictional agency/agencies immediately to identify and resolve any impacts.

For a list of species known to occur in the county where your project is located, please see the species lists by county found on the PA Natural Heritage Program (PNHP) home page (www.naturalheritage.state.pa.us). Also note that the PNDI Environmental Review Tool only contains information about species occurrences that have actually been reported to the PNHP.

6. AGENCY CONTACT INFORMATION

PA Department of Conservation and Natural Resources
Bureau of Forestry, Ecological Services Section
400 Market Street, PO Box 8552, Harrisburg, PA.
17105-8552
Fax:(717) 772-0271

U.S. Fish and Wildlife Service
Pennsylvania Field Office
110 Radnor Rd; Suite 101, State College, PA 16801
NO Faxes Please.

PA Fish and Boat Commission
Division of Environmental Services
450 Robinson Lane, Bellefonte, PA. 16823-7437
NO Faxes Please

PA Game Commission
Bureau of Wildlife Habitat Management
Division of Environmental Planning and Habitat Protection
2001 Elmerton Avenue, Harrisburg, PA. 17110-9797
Fax:(717) 787-6957

7. PROJECT CONTACT INFORMATION

Name: Heather Brewster
Company/Business Name: AECOM
Address: 125 Rock Road
City, State, Zip: Horsham, PA 19044
Phone:(215) 315-4150 Fax:(215) 315-4151
Email: heather.brewster@aecom.com

8. CERTIFICATION

I certify that ALL of the project information contained in this receipt (including project location, project size/configuration, project type, answers to questions) is true, accurate and complete. In addition, if the project type, location, size or configuration changes, or if the answers to any questions that were asked during this online review change, I agree to re-do the online environmental review.

 5/27/15
applicant/project proponent signature date

AECOM

JULY 2014 CORRESPONDENCE FROM PA DCNR



BUREAU OF FORESTRY

Page 1 of 2

July 15, 2014

PNDI Number: 20131211431035

Marshall Olson
 Perennial
 Email: molson@perennialenv.com

**Re: Rock Springs Expansion Project - Compressor Station 220
 Transcontinental Gas Pipeline Company, LLC
 East Whiteland Township, Chester County, PA**

Dear Mr. Olson,

Thank you for the submission of the Pennsylvania Natural Diversity Inventory (PNDI) Environmental Review Receipt Number **20131211431035** for review. PA Department of Conservation and Natural Resources screened this project for potential impacts to species and resources under DCNR's responsibility, which includes plants, terrestrial invertebrates, natural communities, and geologic features only.

PNDI records indicate species or resources under DCNR's jurisdiction are located in the project vicinity. Based on a detailed PNDI review, DCNR determined potential impacts to threatened or endangered species or species of special concern and requested a survey on April 9, 2014 for the following species.

<i>Amelanchier canadensis</i>	Serviceberry	None	Proposed PA Endangered
<i>Andropogon gyrans</i>	Elliott's Beardgrass	None	Proposed PA Rare *
<i>Dichanthelium lucidum</i>	Shining Panic-grass	Tentatively Undetermined	Proposed PA Endangered
<i>Isotria medeoloides</i>	Small-whorled Pogonia	PA Endangered	Proposed PA Endangered
<i>Lyonia mariana</i>	Stagger-bush	PA Endangered	Proposed PA Endangered
<i>Viburnum nudum</i>	Poosum-haw	PA Endangered	PA Endangered
<i>Quercus falcata</i>	Southern Red Oak	PA Endangered	PA Endangered
<i>Woodwardia areolata</i>	Netted Chainfern	None	Proposed PA Threatened

* Because of the status of this plant it is not a target for a survey. Species is listed for informational and voluntary conservation measure purposes.

No Impact Anticipated

Based on the botanical survey results submitted to our office June 2, 2014 indicating there were no observations of the target species or resources under DCNR's jurisdiction, DCNR has determined that no impact is likely. No further coordination with our agency is needed for this project.

conserve

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P.O. Box 8552, Harrisburg, PA 17015-8552 • 717-787-3444 (fax) • 717-772-0271

July 15, 2014

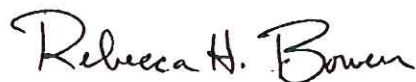
PNDI Number: 20131211431035

Page 2 of 2

This response represents the most up-to-date review of the PNDI data files and is valid for two (2) years only. If project plans change or more information on listed or proposed species becomes available, our determination may be reconsidered. Should the proposed work continue beyond the period covered by this letter, please resubmit the project to this agency as an "Update" (including an updated PNDI receipt, project narrative and accurate map). As a reminder, this finding applies to potential impacts under DCNR's jurisdiction only. Visit the PNHP website for directions on contacting the Commonwealth's other resource agencies for environmental review.

Should you have any questions or concerns, please contact Emilee Boyer Euker, Ecological Information Specialist at 717.787.7067 or c-boyer@pa.gov.

Sincerely,



Rebecca H. Bowen, Section Chief
Bureau of Forestry, Ecological Services Section
Pennsylvania Natural Heritage Program

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BUREAU OF FORESTRY

June 29, 2015

PNDI Number: 20150520513485

Heather Brewster

AECOM

125 Rock Road

Horsham, PA 19044

Email: heather.brewster@aecom.com (hard copy will not follow)

**Re: Transcontinental Gas Pipe Line Company, LLC – New York Bay Expansion Project
East Brandywine and East Whiteland Townships, Chester County, PA**

Dear Ms. Brewster,

Thank you for the submission of the Pennsylvania Natural Diversity Inventory (PNDI) Environmental Review Receipt Number 20150520513485 for review. PA Department of Conservation and Natural Resources screened this project for potential impacts to species and resources under DCNR's responsibility, which includes plants, terrestrial invertebrates, natural communities, and geologic features only.

No Impact Anticipated

PNDI records indicate species or resources under DCNR's jurisdiction are located in the vicinity of the project. However, based on the information you submitted concerning the nature of the project, the immediate location, and our detailed resource information, DCNR has determined that no impact is likely. No further coordination with our agency is needed for this project.

This response represents the most up-to-date review of the PNDI data files and is valid for two (2) years only. If project plans change or more information on listed or proposed species becomes available, our determination may be reconsidered. Should the proposed work continue beyond the period covered by this letter, please resubmit the project to this agency as an "Update" (including an updated PNDI receipt, project narrative and accurate map). As a reminder, this finding applies to potential impacts under DCNR's jurisdiction only. Visit the PNHP website for directions on contacting the Commonwealth's other resource agencies for environmental review.

Should you have any questions or concerns, please contact Jason Ryndock, Ecological Information Specialist, by phone (717-705-2822) or via email (c-jryndock@pa.gov).

Sincerely

A handwritten signature in black ink that reads "Greg Podnieszinski".

Greg Podnieszinski, Section Chief
Natural Heritage Section

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P.O. Box 8552, Harrisburg, PA 17015-8552 717-787-3444 (fax) 717-772-0271



AECOM
125 Rock Road
Horsham, PA 19044-2310

215.315.4150 tel
215.315.4151 fax

June 10, 2015

Ms. Kayla Easler
US Fish and Wildlife Service - Pennsylvania Field Office
110 Radnor Rd Suite 101
State College, PA 16801-7987

**Subject: Transcontinental Gas Pipe Line Company, LLC
New York Bay Expansion Project
Station 200 - East Whiteland Township, Chester County, Pennsylvania
Negative Phase 1 Survey Results by Qualified Bog Turtle Surveyor: USFWS Courtesy Copy
PNDI Receipt 201505250513485
Rare, Threatened, and Endangered Species Consultation**

Dear Ms. Easler,

Transcontinental Gas Pipe Line Company, LLC (Transco) is seeking authorization from the Federal Energy Regulatory Commission (FERC) pursuant to Section 7(c) of the Natural Gas Act for the New York Bay Expansion Project (Project). The Project will provide up to 115 thousand dekatherms per day (MDth/d) of incremental firm transportation service from Transco's Station 195 with 65 MDth/d delivered to the Rockaway Transfer Point and 50 MDth/d delivered to the Narrows Meter Station. To accomplish the Project objectives, upgrades at various existing facilities are required.

This consultation request is specific to the Project activities occurring within Chester County associated with Transco's existing Station 200 in East Whiteland Township near MP 1722.40 (refer to the attached Project map). The proposed limits of disturbance are depicted on the attached USGS and aerial location map and the proposed activities at Station 200 will be situated within the limits of the station property and avoiding any wetlands present on the Transco property. Construction of these activities is anticipated to begin in April, 2017 to meet a target in-service date of November, 2017. Within Chester County, the activities are planned as follows:

Aboveground Facilities

- Station 200 – Upgrade total station HP from 30,860 HP to 33,000 HP (2,140 HP increase) and add noise mitigation measures. Also includes installation of actuators on mainline (ML) regulators.

This letter specifically addresses the requirement for documented consultation with respect to compliance with the Endangered Species Act of 1973. A Pennsylvania Natural Diversity Inventory (PNDI) review was conducted for the site and the receipt requires further review from your agency regarding bog turtle (*Clemmys muhlenbergii*).

As part of the former Transco Rock Springs Expansion Project (USFWS Project #2014-0485), on April 18, 2014 a Phase 1 habitat assessment of wetlands within 300 feet of the proposed limits of disturbance was completed at Station 200. The findings did not identify potential habitat and in a letter dated September 30, 2014, USFWS concurred with the findings and indicated the work at Station 200 will have no affect on the bog turtle. The New York Bay Expansion Project is occurring within the same workspace as the Rock Springs Expansion Project. As a result, Transco is relying on this past clearance in support of this Project's PNDI receipt and this letter is evidence of negative Phase 1 survey results and is the requisite USFWS courtesy copy. Transco anticipates that no further coordination will be required for this Project.

AECOM

2

Thank you for your attention regarding this matter. Please contact me at (215) 315-4302 if you have any questions or require additional information.

Yours sincerely,



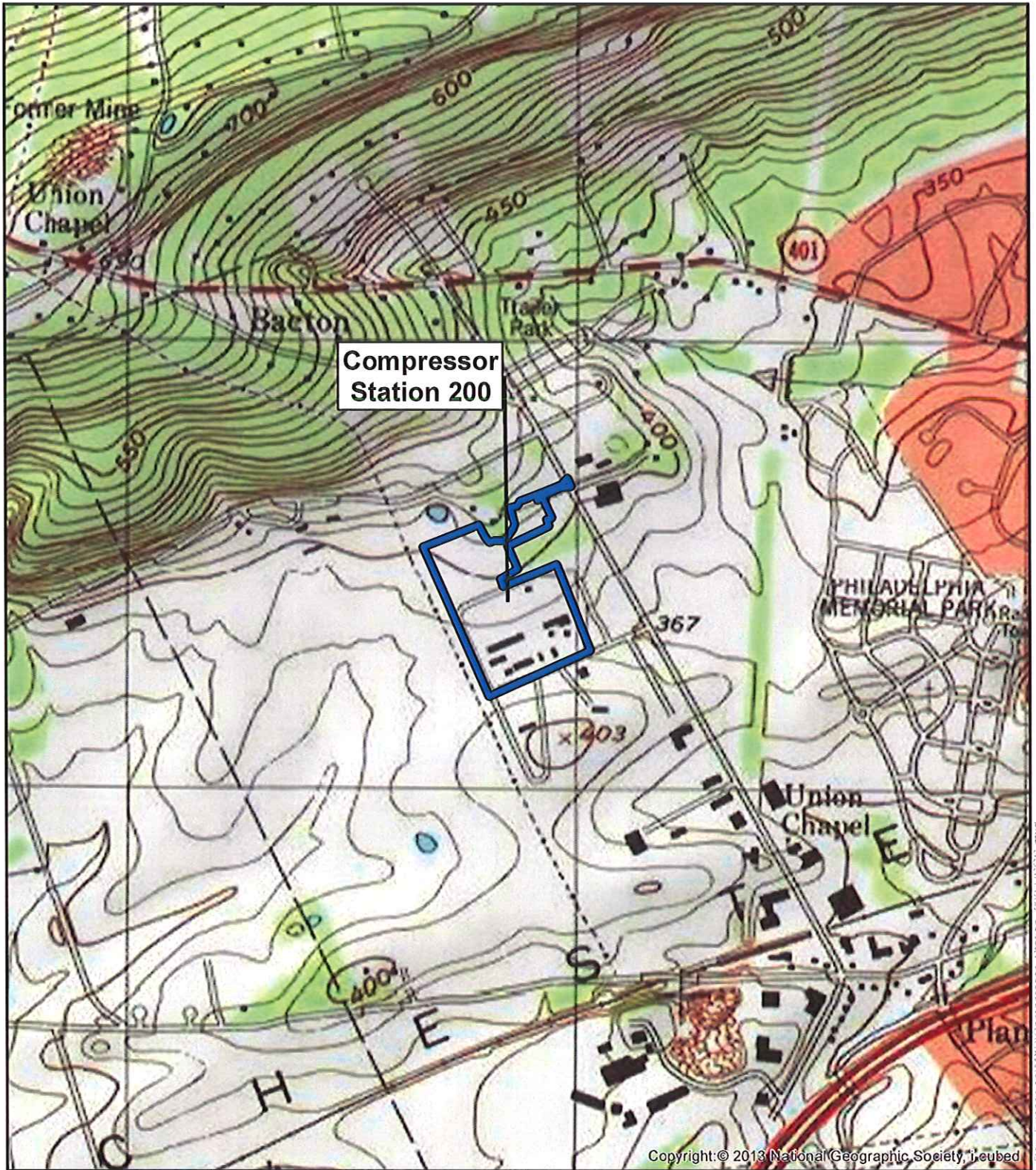
Heather Brewster
Project Manager
heather.brewster@aecom.com

Enclosures: USGS Location Map
Aerial Photo depicting project boundaries
PNDI Environmental Review Receipt Number 201505250513485
September 30, 2014 correspondence from USFWS

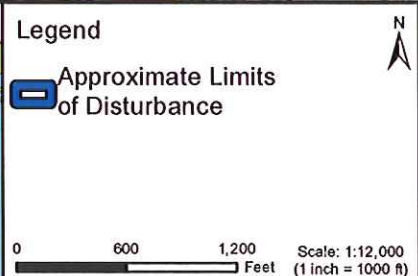
cc: M. Crandall - Williams
D. Richardson - Williams

AECOM

USGS and AERIAL SITE LOCATION MAPS



Copyright: © 2013 National Geographic Society, Inc.



Transcontinental Gas Pipe Line Company

New York Bay Expansion Compressor Station 200
East Whiteland Township, PA
USGS Project Location Map - 7.5-minute series topographic quadrangle map

AECOM
125 Rock Road
Horsham, PA 19044
Phone: 215.315.4150

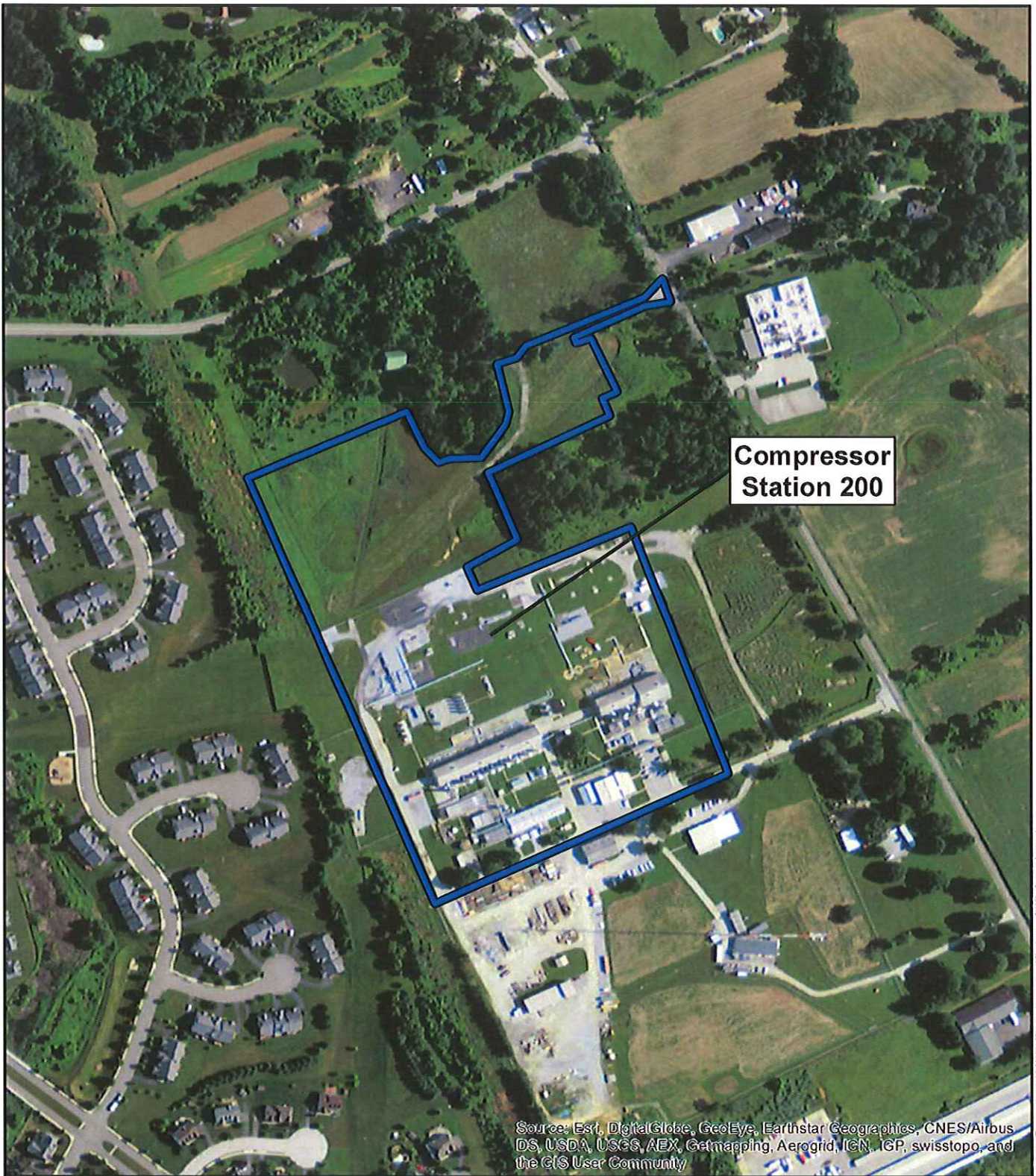
Figure 1

May 2015

Project #: 60342576

Map File Path: \\projects\williams\New_York_Bay_Expansion\WXC\Compressor_Station_200-USGS.mxd
Image Source: USGS, USF

Path: \\projects\williams\New_York_Bay_Expansion\WXC\Compressor_Station_200-USGS.mxd



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

<p>Map Location</p>	<p>Legend</p> <p> Approximate Limits of Disturbance</p> <p>0 212.5 425 Feet</p>	<p>Transcontinental Gas Pipe Line Company</p> <p>New York Bay Expansion</p> <p>Compressor Station 200 East Whiteland Township, PA</p> <p>Aerial Project Location Map</p>	<p>AECOM</p> <p>125 Rock Road Horsham, PA 19044 Phone: 215.315.4150</p> <hr/> <p>Figure 2</p> <p>May 2015</p> <p>Project #: 60342576</p>
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Map data by Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, IGP, Swisstopo, and the GIS User Community

Path: Y:\Projects\WilliamsNew_York_Bay_Expansion\WXD\Compressor_Station_200-Aerial.mxd

AECOM

PNDI ENVIRONMENTAL REVIEW RECEIPT NUMBER 201505250513485

1. PROJECT INFORMATION

Project Name: **NYBE-Station 200**
 Date of review: **5/20/2015 3:06:17 PM**
 Project Category: **Energy Storage, Production, and Transfer,Energy Transfer,Pipeline (gas, oil) - service, replace existing line**
 Project Area: **20.6 acres**
 County: **Chester Township/Municipality: East Whiteland**
 Quadrangle Name: **MALVERN ~ ZIP Code: 19341**
 Decimal Degrees: **40.050043 N, -75.587770 W**
 Degrees Minutes Seconds: **40° 3' 0 N, W**



2. SEARCH RESULTS

Agency	Results	Response
PA Game Commission	No Known Impact	No Further Review Required
PA Department of Conservation and Natural Resources	Potential Impact	FURTHER REVIEW IS REQUIRED, See Agency Response
PA Fish and Boat Commission	No Known Impact	No Further Review Required
U.S. Fish and Wildlife Service	Potential Impact	MORE INFORMATION REQUIRED, See Agency Response

As summarized above, Pennsylvania Natural Diversity Inventory (PNDI) records indicate there may be potential impacts to threatened and endangered and/or special concern species and resources within the project area. If the response above indicates "No Further Review Required" no additional communication with the respective agency is required. If the response is "Further Review Required" or "See Agency Response," refer to the appropriate agency comments below. Please see the DEP Information Section of this receipt if a PA Department of Environmental Protection Permit is required.

PNDI Project Environmental Review Receipt

Project Search ID: 20150520513485

Note that regardless of PNDI search results, projects requiring a Chapter 105 DEP individual permit or GP 5, 6, 7, 8, 9 or 11 in certain counties (Adams, Berks, Bucks, Carbon, Chester, Cumberland, Delaware, Lancaster, Lebanon, Lehigh, Monroe, Montgomery, Northampton, Schuylkill and York) must comply with the bog turtle habitat screening requirements of the PASPGP.

RESPONSE TO QUESTION(S) ASKED

Q1: "Accurately describe what is known about wetland presence in the project area or on the land parcel by selecting ONE of the following. ""Project"" includes all features of the project (including buildings, roads, utility lines, outfall and intake structures, wells, stormwater retention/detention basins, parking lots, driveways, lawns, etc.), as well as all associated impacts (e.g., temporary staging areas, work areas, temporary road crossings, areas subject to grading or clearing, etc.). Include all areas that will be permanently or temporarily affected -- either directly or indirectly -- by any type of disturbance (e.g., land clearing, grading, tree removal, flooding, etc.). Land parcel = the lot(s) on which some type of project(s) or activity(s) are proposed to occur ."

Your answer is: **"4. Someone qualified to identify and delineate wetlands has investigated the site, and determined that wetlands ARE located in or within 300 feet of the project area. (A written report from a wetland specialist, and detailed project maps should document this.) "**

Q2: Will any forest or woodland areas be disturbed (temporarily or permanently), cut, cleared, inundated (flooded), or sprayed as a result of carrying out any part of this project?

Your answer is: **2. No**

Q3: Accurately describe what is known about wetland presence in the project area or on the land parcel by selecting ONE of the following. "Project" includes all features of the project (including buildings, roads, utility lines, outfall and intake structures, wells, stormwater retention/detention basins, parking lots, driveways, lawns, etc.), as well as all associated impacts (e.g., temporary staging areas, work areas, temporary road crossings, areas subject to grading or clearing, etc.). Include all areas that will be permanently or temporarily affected -- either directly or indirectly -- by any type of disturbance (e.g., land clearing, grading, tree removal, flooding, etc.). Land parcel = the lot(s) on which some type of project(s) or activity(s) are proposed to occur.

Your answer is: **4. Someone qualified to identify and delineate wetlands has investigated the site, and determined that wetlands ARE located in or within 300 feet of the project area. (A written report from the wetland specialist, and detailed project maps should document this.)**

Q4: Will this project or any project-related activities require any in-stream work, or a permanent or temporary crossing of a waterway (stream, river, creek, tributary)?

Your answer is: **2. No**

3. AGENCY COMMENTS

Regardless of whether a DEP permit is necessary for this proposed project, any potential impacts to threatened and endangered species and/or special concern species and resources must be resolved with the appropriate jurisdictional agency. In some cases, a permit or authorization from the jurisdictional agency may be needed if adverse impacts to these species and habitats cannot be avoided.

These agency determinations and responses are **valid for two years** (from the date of the review), and are based on the project information that was provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the following change: 1) project location, 2) project size or configuration, 3) project type, or 4) responses to the questions that were asked during the online review, the results of this review are not valid, and the review must be searched again via the PNDI Environmental Review Tool and resubmitted to the jurisdictional agencies. The PNDI tool is a primary screening tool, and a desktop review may reveal more or fewer impacts than what is listed on this PNDI receipt. The jurisdictional agencies **strongly advise against** conducting surveys for the species

PNDI Project Environmental Review Receipt

Project Search ID: 20150520513485

listed on the receipt prior to consultation with the agencies.

PA Game Commission

RESPONSE: No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Department of Conservation and Natural Resources

RESPONSE: Further review of this project is necessary to resolve the potential impacts(s). Please send project information to this agency for review (see WHAT TO SEND).

DCNR Species: (Note: The PNDI tool is a primary screening tool, and a desktop review may reveal more or fewer species than what is listed below. After desktop review, if a botanical survey is required by DCNR, we recommend the DCNR Botanical Survey Protocols, available here: http://www.gis.dcnr.state.pa.us/hgis-er/PNDI_DCNr.aspx.)

Scientific Name: Viburnum nudum

Common Name: Possum-haw

Current Status: Endangered

Proposed Status: Endangered

Scientific Name: Woodwardia areolata

Common Name: Netted Chainfern

Current Status: Special Concern Species*

Proposed Status: Threatened

Scientific Name: Sensitive Species**

Common Name:

Current Status: Endangered

Proposed Status: Endangered

PA Fish and Boat Commission

RESPONSE: No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

U.S. Fish and Wildlife Service

RESPONSE: Information Request: Conduct a Bog Turtle Habitat (Phase 1) Survey in accordance with USFWS Guidelines for Bog Turtle Surveys (April 2006). Evaluate all wetlands within 300 feet of the project area, which includes all areas that will be impacted by earth disturbance or project features (e.g., roads, structures, utility lines, lawns, detention basins, staging areas, etc.). IF THE PHASE 1 SURVEY IS DONE BY A QUALIFIED BOG TURTLE SURVEYOR (see <http://www.fws.gov/northeast/pafo/surveys.html>): 1) Send positive results to USFWS for concurrence, along with a project description documenting how impacts will be avoided. OR, conduct a Phase 2 survey and send Phase 1 and 2 results to USFWS for concurrence. 2) Send a courtesy copy of negative results to USFWS (label as "Negative Phase 1 Survey Results by Qualified Bog Turtle Surveyor: USFWS Courtesy Copy"). USFWS approval of negative results is not necessary when a qualified surveyor does

PNDI Project Environmental Review Receipt

Project Search ID: 20150520513485

the survey in full accordance with USFWS guidelines. IF THE PHASE 1 SURVEY IS NOT DONE BY A QUALIFIED SURVEYOR: Send ALL Phase 1 results to USFWS for concurrence, and if potential habitat is found, also send a project description documenting how impacts will be avoided. As a qualified bog turtle surveyor, I _____ (name) certify that I conducted a Phase 1 survey of all wetlands in and within 300 feet of the project area on _____ (date) and determined that bog turtle habitat is absent.

~~See prior USFWS clearance~~ (Signature)

* Special Concern Species or Resource - Plant or animal species classified as rare, tentatively undetermined or candidate as well as other taxa of conservation concern, significant natural communities, special concern populations (plants or animals) and unique geologic features.

** Sensitive Species - Species identified by the jurisdictional agency as collectible, having economic value, or being susceptible to decline as a result of visitation.

WHAT TO SEND TO JURISDICTIONAL AGENCIES

If project information was requested by one or more of the agencies above, send the following information to the agency(s) seeking this information (see AGENCY CONTACT INFORMATION).

Check-list of *Minimum Materials to be submitted:*

- ___ SIGNED copy of this Project Environmental Review Receipt
- ___ Project narrative with a description of the overall project, the work to be performed, current physical characteristics of the site and acreage to be impacted.
- ___ Project location information (name of USGS Quadrangle, Township/Municipality, and County)
- ___ USGS 7.5-minute Quadrangle with project boundary clearly indicated, and quad name on the map

The inclusion of the following information may expedite the review process.

- ___ A basic site plan (particularly showing the relationship of the project to the physical features such as wetlands, streams, ponds, rock outcrops, etc.)
- ___ Color photos keyed to the basic site plan (i.e. showing on the site plan where and in what direction each photo was taken and the date of the photos)
- ___ Information about the presence and location of wetlands in the project area, and how this was determined (e.g., by a qualified wetlands biologist), if wetlands are present in the project area, provide project plans showing the location of all project features, as well as wetlands and streams

4. DEP INFORMATION

The Pa Department of Environmental Protection (DEP) requires that a signed copy of this receipt, along with any required documentation from jurisdictional agencies concerning resolution of potential impacts, be submitted with applications for permits requiring PNDI review. For cases where a "Potential Impact" to threatened and endangered species has been identified before the application has been submitted to DEP, the application should not be submitted until the impact has been resolved. For cases where "Potential Impact" to special concern species and resources has been identified before the application has been submitted, the application should be submitted to DEP along with the PNDI receipt. The PNDI Receipt should also be submitted to the appropriate agency according to directions on the PNDI Receipt. DEP and the jurisdictional agency will work together to resolve the potential impact(s). See the DEP PNDI policy at <http://www.naturalheritage.state.pa.us>.

5. ADDITIONAL INFORMATION

The PNDI environmental review website is a preliminary screening tool. There are often delays in updating species status classifications. Because the proposed status represents the best available information regarding the conservation status of the species, state jurisdictional agency staff give the proposed statuses at least the same consideration as the current legal status. If surveys or further information reveal that a threatened and endangered and/or special concern species and resources exist in your project area, contact the appropriate jurisdictional agency/agencies immediately to identify and resolve any impacts.

For a list of species known to occur in the county where your project is located, please see the species lists by county found on the PA Natural Heritage Program (PNHP) home page (www.naturalheritage.state.pa.us). Also note that the PNDI Environmental Review Tool only contains information about species occurrences that have actually been reported to the PNHP.

6. AGENCY CONTACT INFORMATION

PA Department of Conservation and Natural Resources
Bureau of Forestry, Ecological Services Section
400 Market Street, PO Box 8552, Harrisburg, PA.
17105-8552
Fax:(717) 772-0271

U.S. Fish and Wildlife Service
Pennsylvania Field Office
110 Radnor Rd; Suite 101, State College, PA 16801
NO Faxes Please.

PA Fish and Boat Commission
Division of Environmental Services
450 Robinson Lane, Bellefonte, PA. 16823-7437
NO Faxes Please

PA Game Commission
Bureau of Wildlife Habitat Management
Division of Environmental Planning and Habitat Protection
2001 Elmerton Avenue, Harrisburg, PA. 17110-9797
Fax:(717) 787-6957

7. PROJECT CONTACT INFORMATION

Name: Heather Brewster
Company/Business Name: AECOM
Address: 125 Rock Road
City, State, Zip: Horsham, PA 19044
Phone: (215) 315-4150 Fax: (215) 315-4151
Email: heather.brewster@aecom.com

8. CERTIFICATION

I certify that ALL of the project information contained in this receipt (including project location, project size/configuration, project type, answers to questions) is true, accurate and complete. In addition, if the project type, location, size or configuration changes, or if the answers to any questions that were asked during this online review change, I agree to re-do the online environmental review.

 5/27/15
applicant/project proponent signature date

AECOM

5

SEPTEMBER 30, 2015 CORRESPONDENCE FROM USFWS



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Pennsylvania Field Office
315 South Allen Street, Suite 322
State College, Pennsylvania 16801-4850

September 30, 2014

Marshall Olson
Perennial Environmental Services
13100 Northwest Freeway, Suite 160
Houston, TX 77040

RE: USFWS Project #2014-0485

Dear Mr. Olson:

Thank you for your letter of July 14, 2014, which provided the Fish and Wildlife Service (Service) with information regarding the proposed Transcontinental Gas Pipe Line Company, LLC (Transco) Rock Springs Expansion and Compression Station 200 project, located in Lancaster and Chester Counties, Pennsylvania. The proposed project is within the known range of the bog turtle (*Clemmys muhlenbergii*), a species that is federally listed as threatened; the Indiana bat (*Myotis sodalis*), a species that is federally listed as endangered; and the northern long-eared bat (*Myotis septentrionalis*), a species that is federally proposed as endangered. The following comments are provided pursuant to the Endangered Species Act of 1973 (87 Stat. 884, as amended; 16 U.S.C. 1531 *et seq.*) to ensure the protection of endangered and threatened species.

As your letter describes, the Lancaster County portion of the project, will involve the construction of 10.14 miles of new natural gas pipeline and an above ground launcher and valve facility. All earth disturbance activities in Lancaster County will occur in Drumore and Fulton Townships. The project work located in Chester County will involve piping and valve modifications at Transco's existing Compressor Station 200. All earth disturbances in Chester County will occur in East Whiteland Township. Construction is scheduled to begin in May 2015 at the compressor stations, with pipeline construction commencing in August 2015. An in-service date of August 1, 2016, is currently scheduled.

Bog turtle

The Pennsylvania Natural Diversity Inventory (PNDI) search results for this project indicated a potential conflict with the bog turtle. Bog turtles inhabit shallow, spring-fed fens, sphagnum bogs, swamps, marshy meadows, and pastures characterized by soft, muddy bottoms; clear, cool,

slow-flowing water, often forming a network of rivulets; high humidity; and an open canopy. Bog turtles usually occur in small, discrete populations occupying suitable wetland habitat dispersed along a watershed. The occupied "intermediate successional stage" wetland habitat is usually a mosaic of micro-habitats ranging from dry pockets, to areas that are saturated with water, to areas that are periodically flooded. Some wetlands occupied by bog turtles are located in agricultural areas and are subject to grazing by livestock.

Compressor Station 200

To determine the potential effects of the proposed project on bog turtles and their habitat, B. Scott Fiegel conducted a Phase 1 bog turtle habitat assessments on April 18, 2014. Mr. Fiegel reported that there are four wetland areas that extend to within 300 feet of the proposed limit of disturbance. Following the methods described under "*Bog Turtle Habitat Survey*" (Phase 1 survey) of the *Guidelines for Bog Turtle Surveys* (revised April 2006), he determined that the subject wetland areas do not have the combination of soils, vegetation, and hydrology typical of habitat occupied by bog turtles. We concur with Mr. Fiegel's habitat determination and conclude that implementation of the proposed piping and valve modifications at Transco's existing Compressor Station 200 will have no affect the bog turtle.

Pipeline Expansion

To determine the potential effects of the proposed project on bog turtles and their habitat, B. Scott Fiegel and Brandon Ruhe conducted Phase 1 bog turtle habitat assessments on April 18, May 23, and June 6, 2014. Nine wetlands (referred to as Wetlands 1, 2, 3, 4, 5, 6, 7, 8, and 9) were reported that extend to within 300 feet of the proposed limit of disturbance. Following the methods described under "*Bog Turtle Habitat Survey*" (Phase 1 survey) of the *Guidelines for Bog Turtle Surveys* (revised April 2006), they determined that Wetlands 2, 3, 6, 7, 8, and 9 do not have the combination of soils, vegetation, and hydrology typical of habitat occupied by bog turtles. We concur with their habitat determinations and conclude that implementation of the proposed new natural gas pipeline and above-ground launcher and vale facility project on Wetlands 2, 3, 6, 7, 8, and 9 will have no affect the bog turtle.

Wetlands 1, 4, and 5 complex were determined to have potential bog turtle habitat within them. On May 19, 2014, Kayla Easler, of my staff, attended an onsite meeting to view the potential habitat. Realigning the pipeline was discussed during the site visit for Wetlands 1 and 5. In your July 14, 2014 letter, you explain that Transco will avoid impacts to suitable bog turtle habitat in Wetland 1 (near MP 2.70) by routing the proposed pipeline to the west side of Furniss Road, a distance of more than 250 feet from the nearest point of the wetland. We agree that with the realignment of the pipeline right-of-way, the pipeline at this location will not affect the bog turtle.

You provided a copy of a July 7, 2014, Phase 2 survey report for Wetland 4. This report describes the surveys conducted by Brandon Ruhe and B. Scott Fiegel (both Service-recognized bog turtle surveyors) on May 23, May 30, June 8, and June 12, 2014. According to the report, no bog turtles were found. Based on our review of this information, we agree that construction of

the new natural gas pipeline and above-ground launcher and valve facility project on Wetland 4 will not affect the bog turtle.

Due to the size of the Wetland 5 complex and the inability to sufficiently survey the wetland complex for bog turtles, during the May 19, 2014 site visit, it was recommended that Transco assume presence of the species. To avoid directly impacting wetlands that contain suitable bog turtle habitat in the Wetland 5 complex (near MP 9.50), Transco routed the proposed pipeline between two wetlands (referred to as WP 1005 and WP 1029). However, because these two wetlands are connected by a stream, which could serve as a travel corridor for bog turtles to Wetland 5, Transco agreed to implement minimization measures during construction to avoid potential impacts to bog turtles at this crossing. During the May 19, 2014, site visit Ms. Easter explained that if the pipeline was re-routed between the non-potential habitat wetlands, the Service would recommend that the work either (1) be conducted between November 1 and March 31, when bog turtles are hibernating, or (2) have a qualified bog turtle surveyor on-site during construction activities. Transco agreed to the latter condition, and will have a Service-recognized, qualified bog turtle surveyor on-site to monitor the construction area for the species. Prior to commencement of in-stream construction, the surveyor will inspect the area to ensure no bog turtles are present. Once the area has been inspected, the stream will be crossed via a flume or dam/pump dry crossing method. If this stream crossing is constructed with the above-mentioned avoidance measures or during the time-of-year restriction, the proposed work is not likely to adversely affect the bog turtle.

Indiana bat and Northern long-eared bat

Due to proposed forest clearing associated with construction of the project and the location within the range of the northern long-eared bat, surveys were recommended to determine whether this bat species is present. According to the July 2014 survey report, mist-net surveys were conducted, in accordance with the Fish and Wildlife Service's Indiana bat summer survey guidelines. These surveys took place at 13 sites within the project area, between May 15 and June 6, 2014. During these surveys, 84 bats of four species were captured. This did not include any Indiana bats, but did include 3 northern long-eared bats. Based on these survey results, we conclude that Indiana bats are either not present in the project area, or are present in such low densities that they were not detected. Consequently, we have determined that tree-clearing related to the implementation of this construction project is not likely to adversely affect the Indiana bat.

One of the three northern long-eared bats captured was radio tracked, and one roost tree was found. The 1.5 mile buffer applied to known northern long-eared bat roost trees overlaps a portion of the project area. Trees within this area could be used by northern long-eared bat, therefore, removal of trees and forested areas within this buffer could result in adverse impacts of roosting northern long-eared bat, which could be injured or killed when trees are cut. Consequently, clearing trees in this buffer area between Nov 15 and March 31, during a time when bats are assumed to be hibernating, would minimize impacts to this species. If you are unable to adhere to this seasonal time of year restriction, we recommend that Transco conference with the Service to determine the appropriate courses of action in order to avoid and minimize potential adverse effects to this federally proposed endangered species.

This determination is valid for two years from the date of this letter. If the proposed project has not been fully implemented prior to this, an additional review by this office is recommended. Should project plans change, or if additional information on listed or proposed species becomes available, this determination may be reconsidered.

This response relates only to endangered and threatened species under our jurisdiction, based on an office review of the proposed project's location. No field inspection of the project area has been conducted by this office. Consequently, this letter is not to be construed as addressing potential Service concerns under the Fish and Wildlife Coordination Act or other authorities.

To avoid potential delays in reviewing your project, please use the above-referenced USFWS project tracking number in any future correspondence regarding this project.

Please contact Kayla Easler for questions regarding the bog turtle and Pamela Shellenberger for questions regarding bats at (814) 234-4090.

Sincerely,

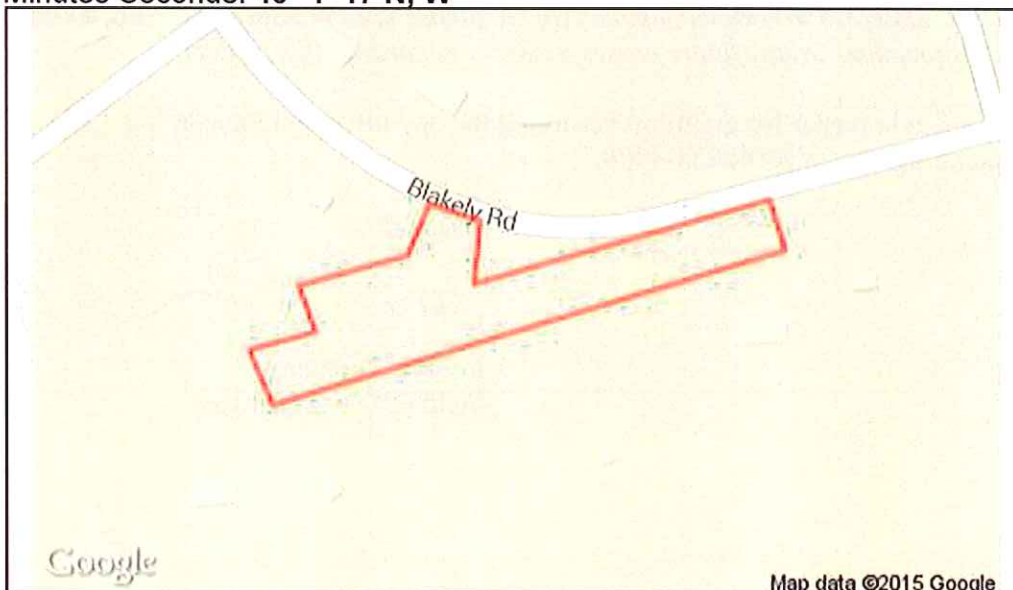
A handwritten signature in cursive script, appearing to read "Lora L. Zimmerman", followed by a long horizontal flourish.

Lora L. Zimmerman
Field Office Supervisor

cc:
USFWS – Thompson
USACOE – Strong
FERC

1. PROJECT INFORMATION

Project Name: **NYBE-Mainline A**
 Date of review: **5/20/2015 2:55:37 PM**
 Project Category: **Energy Storage, Production, and Transfer,Energy Transfer,Pipeline (gas, oil) - service, replace existing line**
 Project Area: **2.2 acres**
 County: **Chester Township/Municipality: East Brandywine**
 Quadrangle Name: **DOWNINGTOWN ~ ZIP Code: 19335**
 Decimal Degrees: **40.021452 N, -75.716807 W**
 Degrees Minutes Seconds: **40° 1' 17 N, W**



2. SEARCH RESULTS

Agency	Results	Response
PA Game Commission	No Known Impact	No Further Review Required
PA Department of Conservation and Natural Resources	Conservation Measure	No Further Review Required, See Agency Comments
PA Fish and Boat Commission	No Known Impact	No Further Review Required
U.S. Fish and Wildlife Service	Avoidance Measure	See Agency Response

As summarized above, Pennsylvania Natural Diversity Inventory (PNDI) records indicate there may be potential impacts to threatened and endangered and/or special concern species and resources within the project area. If the response above indicates "No Further Review Required" no additional communication with the respective agency is required. If the response is "Further Review Required" or "See Agency Response," refer to the appropriate agency comments below. Please see the DEP Information Section of this receipt if a PA Department of Environmental Protection Permit is required.

PNDI Project Environmental Review Receipt

Project Search ID: 20150520513479

Note that regardless of PNDI search results, projects requiring a Chapter 105 DEP individual permit or GP 5, 6, 7, 8, 9 or 11 in certain counties (Adams, Berks, Bucks, Carbon, Chester, Cumberland, Delaware, Lancaster, Lebanon, Lehigh, Monroe, Montgomery, Northampton, Schuylkill and York) must comply with the bog turtle habitat screening requirements of the PASPGP.

RESPONSE TO QUESTION(S) ASKED

Q1: Accurately describe what is known about wetland presence in the project area or on the land parcel by selecting ONE of the following. "Project" includes all features of the project (including buildings, roads, utility lines, outfall and intake structures, wells, stormwater retention/detention basins, parking lots, driveways, lawns, etc.), as well as all associated impacts (e.g., temporary staging areas, work areas, temporary road crossings, areas subject to grading or clearing, etc.). Include all areas that will be permanently or temporarily affected -- either directly or indirectly -- by any type of disturbance (e.g., land clearing, grading, tree removal, flooding, etc.). Land parcel = the lot(s) on which some type of project(s) or activity(s) are proposed to occur.

Your answer is: **3. Someone qualified to identify and delineate wetlands has investigated the site, and determined that NO wetlands are located in or within 300 feet of the project area. (A written report from the wetland specialist, and detailed project maps should document this.)**

Q2: "Will the entire project (including any discharge) occur in or on an existing building, parking lot, driveway, road, road shoulder, street, runway, paved area, railroad bed, maintained (periodically mown) lawn, crop agriculture field or maintained orchard?"

Your answer is: **1. Yes**

Q3: Will this project or any project-related activities require any in-stream work, or a permanent or temporary crossing of a waterway (stream, river, creek, tributary)?

Your answer is: **2. No**

3. AGENCY COMMENTS

Regardless of whether a DEP permit is necessary for this proposed project, any potential impacts to threatened and endangered species and/or special concern species and resources must be resolved with the appropriate jurisdictional agency. In some cases, a permit or authorization from the jurisdictional agency may be needed if adverse impacts to these species and habitats cannot be avoided.

These agency determinations and responses are **valid for two years** (from the date of the review), and are based on the project information that was provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the following change: 1) project location, 2) project size or configuration, 3) project type, or 4) responses to the questions that were asked during the online review, the results of this review are not valid, and the review must be searched again via the PNDI Environmental Review Tool and resubmitted to the jurisdictional agencies. The PNDI tool is a primary screening tool, and a desktop review may reveal more or fewer impacts than what is listed on this PNDI receipt. The jurisdictional agencies **strongly advise against** conducting surveys for the species listed on the receipt prior to consultation with the agencies.

PA Game Commission

RESPONSE: No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Department of Conservation and Natural Resources

RESPONSE: Conservation Measure: Please avoid the introduction of invasive species in order to protect the

PNDI Project Environmental Review Receipt

Project Search ID: 20150520513479

integrity of nearby plant species of special concern. Voluntary cleaning of equipment/vehicles, using clean fill and mulch, and avoiding planting invasive species (<http://www.dcnr.state.pa.us/forestry/invasivetutorial/index.htm>) will help to conserve sensitive plant habitats.

DCNR Species: (Note: The PNDI tool is a primary screening tool, and a desktop review may reveal more or fewer species than what is listed below. After desktop review, if a botanical survey is required by DCNR, we recommend the DCNR Botanical Survey Protocols, available here: http://www.gis.dcnr.state.pa.us/hgis-er/PNDI_DCNR.aspx.)

Scientific Name: Vernonia glauca

Common Name: Tawny Ironweed

Current Status: Endangered

Proposed Status: Endangered

PA Fish and Boat Commission

RESPONSE: No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

U.S. Fish and Wildlife Service

RESPONSE: Avoidance Measure: Do not conduct this project/activity within 50 feet of any streams, rivers, creeks, or tributaries. This includes both perennial and intermittent waterways.

As the project proponent or applicant, I certify that I will implement the above Avoidance Measure:

 (Signature)

SPECIAL NOTE: If you agree to implement the above Avoidance Measure, no further coordination with this agency regarding threatened and endangered species and/or special concern species and resources is required. If you are not able to comply with the Avoidance Measures, you are required to coordinate with this agency - please send project information to this agency for review (see "What to Send" section).

* Special Concern Species or Resource - Plant or animal species classified as rare, tentatively undetermined or candidate as well as other taxa of conservation concern, significant natural communities, special concern populations (plants or animals) and unique geologic features.

** Sensitive Species - Species identified by the jurisdictional agency as collectible, having economic value, or being susceptible to decline as a result of visitation.

WHAT TO SEND TO JURISDICTIONAL AGENCIES

If project information was requested by one or more of the agencies above, send the following information to the agency(s) seeking this information (see AGENCY CONTACT INFORMATION).

Check-list of Minimum Materials to be submitted:

PNDI Project Environmental Review Receipt

Project Search ID: 20150520513479

___ **SIGNED** copy of this Project Environmental Review Receipt

___ Project narrative with a description of the overall project, the work to be performed, current physical characteristics of the site and acreage to be impacted.

___ Project location information (name of USGS Quadrangle, Township/Municipality, and County)

___ USGS 7.5-minute Quadrangle with project boundary clearly indicated, and quad name on the map

The inclusion of the following information may expedite the review process.

___ A basic site plan (particularly showing the relationship of the project to the physical features such as wetlands, streams, ponds, rock outcrops, etc.)

___ Color photos keyed to the basic site plan (i.e. showing on the site plan where and in what direction each photo was taken and the date of the photos)

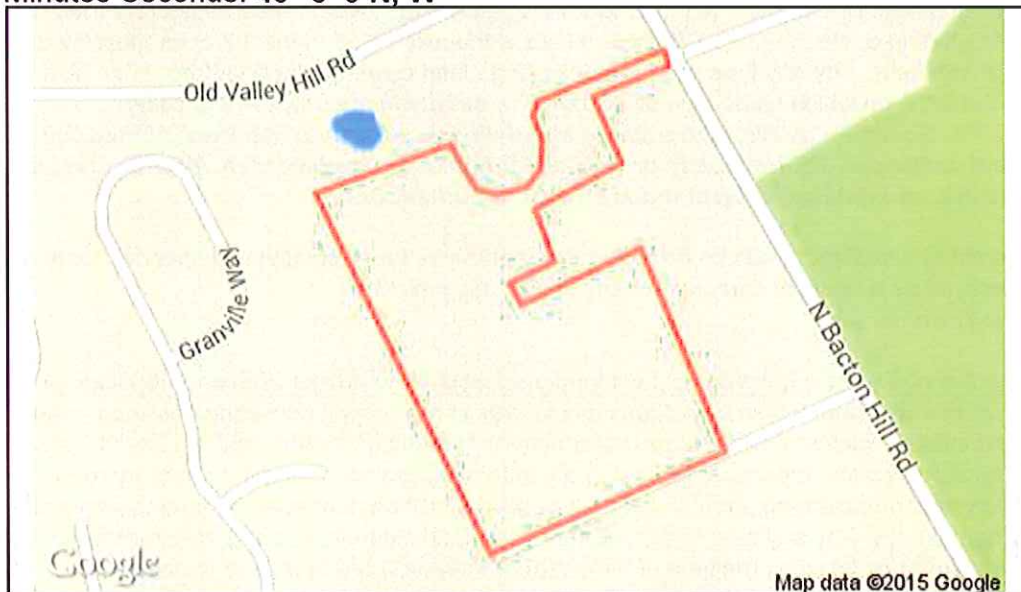
___ Information about the presence and location of wetlands in the project area, and how this was determined (e.g., by a qualified wetlands biologist), if wetlands are present in the project area, provide project plans showing the location of all project features, as well as wetlands and streams

4. DEP INFORMATION

The Pa Department of Environmental Protection (DEP) requires that a signed copy of this receipt, along with any required documentation from jurisdictional agencies concerning resolution of potential impacts, be submitted with applications for permits requiring PNDI review. For cases where a "Potential Impact" to threatened and endangered species has been identified before the application has been submitted to DEP, the application should not be submitted until the impact has been resolved. For cases where "Potential Impact" to special concern species and resources has been identified before the application has been submitted, the application should be submitted to DEP along with the PNDI receipt. The PNDI Receipt should also be submitted to the appropriate agency according to directions on the PNDI Receipt. DEP and the jurisdictional agency will work together to resolve the potential impact(s). See the DEP PNDI policy at <http://www.naturalheritage.state.pa.us>.

1. PROJECT INFORMATION

Project Name: **NYBE-Station 200**
 Date of review: **5/20/2015 3:06:17 PM**
 Project Category: **Energy Storage, Production, and Transfer, Energy Transfer, Pipeline (gas, oil) - service, replace existing line**
 Project Area: **20.6 acres**
 County: **Chester Township/Municipality: East Whiteland**
 Quadrangle Name: **MALVERN ~ ZIP Code: 19341**
 Decimal Degrees: **40.050043 N, -75.587770 W**
 Degrees Minutes Seconds: **40° 3' 0 N, W**



2. SEARCH RESULTS

Agency	Results	Response
PA Game Commission	No Known Impact	No Further Review Required
PA Department of Conservation and Natural Resources	Potential Impact	FURTHER REVIEW IS REQUIRED, See Agency Response
PA Fish and Boat Commission	No Known Impact	No Further Review Required
U.S. Fish and Wildlife Service	Potential Impact	MORE INFORMATION REQUIRED, See Agency Response

As summarized above, Pennsylvania Natural Diversity Inventory (PNDI) records indicate there may be potential impacts to threatened and endangered and/or special concern species and resources within the project area. If the response above indicates "No Further Review Required" no additional communication with the respective agency is required. If the response is "Further Review Required" or "See Agency Response," refer to the appropriate agency comments below. Please see the DEP Information Section of this receipt if a PA Department of Environmental Protection Permit is required.

PNDI Project Environmental Review Receipt

Project Search ID: 20150520513485

Note that regardless of PNDI search results, projects requiring a Chapter 105 DEP individual permit or GP 5, 6, 7, 8, 9 or 11 in certain counties (Adams, Berks, Bucks, Carbon, Chester, Cumberland, Delaware, Lancaster, Lebanon, Lehigh, Monroe, Montgomery, Northampton, Schuylkill and York) must comply with the bog turtle habitat screening requirements of the PASPGP.

RESPONSE TO QUESTION(S) ASKED

Q1: "Accurately describe what is known about wetland presence in the project area or on the land parcel by selecting ONE of the following. ""Project"" includes all features of the project (including buildings, roads, utility lines, outfall and intake structures, wells, stormwater retention/detention basins, parking lots, driveways, lawns, etc.), as well as all associated impacts (e.g., temporary staging areas, work areas, temporary road crossings, areas subject to grading or clearing, etc.). Include all areas that will be permanently or temporarily affected -- either directly or indirectly -- by any type of disturbance (e.g., land clearing, grading, tree removal, flooding, etc.). Land parcel = the lot(s) on which some type of project(s) or activity(s) are proposed to occur ."

Your answer is: **"4. Someone qualified to identify and delineate wetlands has investigated the site, and determined that wetlands ARE located in or within 300 feet of the project area. (A written report from a wetland specialist, and detailed project maps should document this.)"**

Q2: Will any forest or woodland areas be disturbed (temporarily or permanently), cut, cleared, inundated (flooded), or sprayed as a result of carrying out any part of this project?

Your answer is: **2. No**

Q3: Accurately describe what is known about wetland presence in the project area or on the land parcel by selecting ONE of the following. "Project" includes all features of the project (including buildings, roads, utility lines, outfall and intake structures, wells, stormwater retention/detention basins, parking lots, driveways, lawns, etc.), as well as all associated impacts (e.g., temporary staging areas, work areas, temporary road crossings, areas subject to grading or clearing, etc.). Include all areas that will be permanently or temporarily affected -- either directly or indirectly -- by any type of disturbance (e.g., land clearing, grading, tree removal, flooding, etc.). Land parcel = the lot(s) on which some type of project(s) or activity(s) are proposed to occur.

Your answer is: **4. Someone qualified to identify and delineate wetlands has investigated the site, and determined that wetlands ARE located in or within 300 feet of the project area. (A written report from the wetland specialist, and detailed project maps should document this.)**

Q4: Will this project or any project-related activities require any in-stream work, or a permanent or temporary crossing of a waterway (stream, river, creek, tributary)?

Your answer is: **2. No**

3. AGENCY COMMENTS

Regardless of whether a DEP permit is necessary for this proposed project, any potential impacts to threatened and endangered species and/or special concern species and resources must be resolved with the appropriate jurisdictional agency. In some cases, a permit or authorization from the jurisdictional agency may be needed if adverse impacts to these species and habitats cannot be avoided.

These agency determinations and responses are **valid for two years** (from the date of the review), and are based on the project information that was provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the following change: 1) project location, 2) project size or configuration, 3) project type, or 4) responses to the questions that were asked during the online review, the results of this review are not valid, and the review must be searched again via the PNDI Environmental Review Tool and resubmitted to the jurisdictional agencies. The PNDI tool is a primary screening tool, and a desktop review may reveal more or fewer impacts than what is listed on this PNDI receipt. The jurisdictional agencies **strongly advise against** conducting surveys for the species

PNDI Project Environmental Review Receipt

Project Search ID: 20150520513485

listed on the receipt prior to consultation with the agencies.

PA Game Commission

RESPONSE: No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Department of Conservation and Natural Resources

RESPONSE: Further review of this project is necessary to resolve the potential impacts(s). Please send project information to this agency for review (see WHAT TO SEND).

DCNR Species: (Note: The PNDI tool is a primary screening tool, and a desktop review may reveal more or fewer species than what is listed below. After desktop review, if a botanical survey is required by DCNR, we recommend the DCNR Botanical Survey Protocols, available here: http://www.gis.dcnr.state.pa.us/hgis-er/PNDI_DCNr.aspx.)

Scientific Name: *Viburnum nudum*

Common Name: Possum-haw

Current Status: Endangered

Proposed Status: Endangered

Scientific Name: *Woodwardia areolata*

Common Name: Netted Chainfern

Current Status: Special Concern Species*

Proposed Status: Threatened

Scientific Name: Sensitive Species**

Common Name:

Current Status: Endangered

Proposed Status: Endangered

PA Fish and Boat Commission

RESPONSE: No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

U.S. Fish and Wildlife Service

RESPONSE: Information Request: Conduct a Bog Turtle Habitat (Phase 1) Survey in accordance with USFWS Guidelines for Bog Turtle Surveys (April 2006). Evaluate all wetlands within 300 feet of the project area, which includes all areas that will be impacted by earth disturbance or project features (e.g., roads, structures, utility lines, lawns, detention basins, staging areas, etc.). IF THE PHASE 1 SURVEY IS DONE BY A QUALIFIED BOG TURTLE SURVEYOR (see <http://www.fws.gov/northeast/pafo/surveys.html>): 1) Send positive results to USFWS for concurrence, along with a project description documenting how impacts will be avoided. OR, conduct a Phase 2 survey and send Phase 1 and 2 results to USFWS for concurrence. 2) Send a courtesy copy of negative results to USFWS (label as "Negative Phase 1 Survey Results by Qualified Bog Turtle Surveyor: USFWS Courtesy Copy"). USFWS approval of negative results is not necessary when a qualified surveyor does

the survey in full accordance with USFWS guidelines. IF THE PHASE 1 SURVEY IS NOT DONE BY A QUALIFIED SURVEYOR: Send ALL Phase 1 results to USFWS for concurrence, and if potential habitat is found, also send a project description documenting how impacts will be avoided. As a qualified bog turtle surveyor, I _____ (name) certify that I conducted a Phase 1 survey of all wetlands in and within 300 feet of the project area on _____ (date) and determined that bog turtle habitat is absent.

(Signature)
~~See prior USFWS clearance~~

* Special Concern Species or Resource - Plant or animal species classified as rare, tentatively undetermined or candidate as well as other taxa of conservation concern, significant natural communities, special concern populations (plants or animals) and unique geologic features.

** Sensitive Species - Species identified by the jurisdictional agency as collectible, having economic value, or being susceptible to decline as a result of visitation.

WHAT TO SEND TO JURISDICTIONAL AGENCIES

If project information was requested by one or more of the agencies above, send the following information to the agency(s) seeking this information (see AGENCY CONTACT INFORMATION).

Check-list of *Minimum Materials to be submitted:*

- ___ SIGNED copy of this Project Environmental Review Receipt
- ___ Project narrative with a description of the overall project, the work to be performed, current physical characteristics of the site and acreage to be impacted.
- ___ Project location information (name of USGS Quadrangle, Township/Municipality, and County)
- ___ USGS 7.5-minute Quadrangle with project boundary clearly indicated, and quad name on the map

The inclusion of the following information may expedite the review process.

- ___ A basic site plan (particularly showing the relationship of the project to the physical features such as wetlands, streams, ponds, rock outcrops, etc.)
- ___ Color photos keyed to the basic site plan (i.e. showing on the site plan where and in what direction each photo was taken and the date of the photos)
- ___ Information about the presence and location of wetlands in the project area, and how this was determined (e.g., by a qualified wetlands biologist), if wetlands are present in the project area, provide project plans showing the location of all project features, as well as wetlands and streams

4. DEP INFORMATION

The Pa Department of Environmental Protection (DEP) requires that a signed copy of this receipt, along with any required documentation from jurisdictional agencies concerning resolution of potential impacts, be submitted with applications for permits requiring PNDI review. For cases where a "Potential Impact" to threatened and endangered species has been identified before the application has been submitted to DEP, the application should not be submitted until the impact has been resolved. For cases where "Potential Impact" to special concern species and resources has been identified before the application has been submitted, the application should be submitted to DEP along with the PNDI receipt. The PNDI Receipt should also be submitted to the appropriate agency according to directions on the PNDI Receipt. DEP and the jurisdictional agency will work together to resolve the potential impact(s). See the DEP PNDI policy at <http://www.naturalheritage.state.pa.us>.

5. ADDITIONAL INFORMATION

The PNDI environmental review website is a preliminary screening tool. There are often delays in updating species status classifications. Because the proposed status represents the best available information regarding the conservation status of the species, state jurisdictional agency staff give the proposed statuses at least the same consideration as the current legal status. If surveys or further information reveal that a threatened and endangered and/or special concern species and resources exist in your project area, contact the appropriate jurisdictional agency/agencies immediately to identify and resolve any impacts.

For a list of species known to occur in the county where your project is located, please see the species lists by county found on the PA Natural Heritage Program (PNHP) home page (www.naturalheritage.state.pa.us). Also note that the PNDI Environmental Review Tool only contains information about species occurrences that have actually been reported to the PNHP.

6. AGENCY CONTACT INFORMATION

PA Department of Conservation and Natural Resources
 Bureau of Forestry, Ecological Services Section
 400 Market Street, PO Box 8552, Harrisburg, PA.
 17105-8552
 Fax:(717) 772-0271

U.S. Fish and Wildlife Service
 Pennsylvania Field Office
 110 Radnor Rd; Suite 101, State College, PA 16801
 NO Faxes Please.

PA Fish and Boat Commission
 Division of Environmental Services
 450 Robinson Lane, Bellefonte, PA. 16823-7437
 NO Faxes Please

PA Game Commission
 Bureau of Wildlife Habitat Management
 Division of Environmental Planning and Habitat Protection
 2001 Elmerton Avenue, Harrisburg, PA. 17110-9797
 Fax:(717) 787-6957

7. PROJECT CONTACT INFORMATION

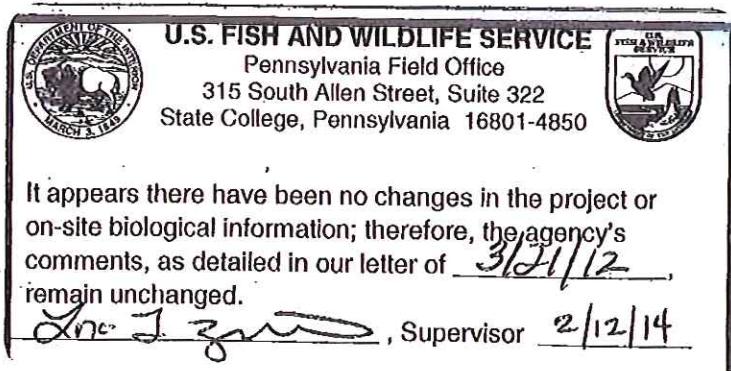
Name: Heather Brewster
 Company/Business Name: AECOM
 Address: 125 Rock Road
 City, State, Zip: Horsham, PA 19044
 Phone:(215) 315-4150 Fax:(215) 315-4151
 Email: heather.brewster@aecom.com

8. CERTIFICATION

I certify that ALL of the project information contained in this receipt (including project location, project size/configuration, project type, answers to questions) is true, accurate and complete. In addition, if the project type, location, size or configuration changes, or if the answers to any questions that were asked during this online review change, I agree to re-do the online environmental review.

 5/27/15
 applicant/project proponent signature date

2012-0430



Gas Pipeline – Transco
2800 Post Oak Blvd (77056)
P.O. Box 1396
Houston, TX 77251-1396
Office: (713) 215-2738

December 3, 2013

Mr. Clint Riley
US Fish and Wildlife Service
Ecological Services – Pennsylvania Field Office
315 South Allen Street, Suite 322
State College, Pa 16801
814.234.4090

**RE: 2013 Categorical Exemption Request
Transcontinental Gas Pipe Line Company, LLC
Threatened and Endangered Species Reviews
USFWS Project #2012-0430**

Dear Mr. Riley:

Transcontinental Gas Pipe Line Company, LLC (Transco), as part of Williams Gas Pipeline (WGP) respectfully submits this request for the renewal of our blanket clearance, categorical exemption or pre-determination of approval for a variety of small/repetitive projects within our previously-disturbed pipeline right-of-way (ROW), pursuant to Section 7(a) (2) of the Endangered Species Act of 1973 (87 statue 884, as amended, 16 USC 1531 et seq.).

As part of the Transco ongoing maintenance and operations for our customers, we perform a variety of small and/or routine and repetitive projects which, by their nature, have no effect on any threatened or endangered species. These activities or projects are subject to the regulation of the Federal Energy Regulatory Commission (FERC) and cannot proceed without prior clearance being obtained. Transco proposes to implement the current Service policy throughout the next calendar year to document activity on these projects. Enclosed is a copy of the categorical determination issued by your office dated March 22, 2012. At this time we are requesting renewal for an additional two years with no changes to the set of activities and conditions listed in the March 2012 letter to be received by:

Williams Gas Pipeline
ATTN: Staci Rogge
2800 Post Oak Boulevard, Level 17
Houston, Texas, 77056



AECOM
125 Rock Road
Horsham, PA 19044-2310

215.315.4150 tel
215.315.4151 fax

May 28, 2015

East Brandywine Township Planning Commission
1214 Horseshoe Pike
Downingtown, PA 19335

**Subject: Transcontinental Gas Pipe Line Company, LLC
New York Bay Expansion Project
East Brandywine Township, Chester County, Pennsylvania
Planning Department Consultation**

Dear Township Planning Commission,

Transcontinental Gas Pipe Line Company, LLC (Transco) is seeking authorization from the Federal Energy Regulatory Commission (FERC) pursuant to Section 7(c) of the Natural Gas Act for the New York Bay Expansion Project (Project). The Project will provide up to 115 thousand dekatherms per day (MDth/d) of incremental firm transportation service from Transco's Station 195 with 65 MDth/d delivered to the Rockaway Transfer Point and 50 MDth/d delivered to the Narrows Meter Station. To accomplish the Project objectives, upgrades at various existing facilities are required.

This consultation request is specific to the Project activities occurring within East Brandywine Township, Chester County, Pennsylvania at the Downingtown Meter Station MP 1715.08 of the Mainline 'A' Bypass (refer to the attached Project map). The proposed limits of disturbance are depicted on the attached USGS and aerial location maps, which at the Downingtown Meter Station work will occur within this facility but temporary workspace will be necessary outside the fenceline and within the existing pipeline right-of-way. Construction of these activities is anticipated to begin in April, 2017 to meet a target in-service date of November, 2017. Within East Brandywine Township, the activities are planned as follows:

Aboveground Facilities

- Mainline 'A' bypass modification – MP 1715.08 near Downingtown M&R – Replace existing 8-inch and 12-inch piping with 30-inch piping and two by 30-inch ball valves.

An Environmental Report, which is required as part of the FERC application and review process, is currently being prepared for the Project. As part of the FERC National Environmental Policy Act (NEPA) review, it is necessary to identify whether the proposed facilities (Mainline 'A' bypass or the temporary workspace) will be within 0.25-miles of the following sensitive environmental areas:

- U.S. Environmental Protection Agency (EPA), State, or Municipal designated aquifers;
- State or municipal designated aquifer protection areas;
- Surface waters that provide public drinking water supplies;
- State or municipal designated surface water protection areas;
- Any known existing or proposed public or private drinking water wells, reservoirs, or springs in or within 300 feet of the proposed facilities;
- Planned residential subdivision developments;
- Planned commercial or industrial developments;
- Open space/natural areas;
- Locally significant roads, scenic areas, or rivers; and
- Schools, parks, ballfields, and trails.

Transco respectfully requests that the Township Planning Board review its records relative to the above-referenced items and provide written comments pertaining to the identified resources.

AECOM

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Thank you for your anticipated attention regarding this matter. Please contact me at (215) 315-4302 if you have any questions or require additional information.

Yours sincerely,



Heather Brewster
Project Manager
heather.brewster@aecom.com

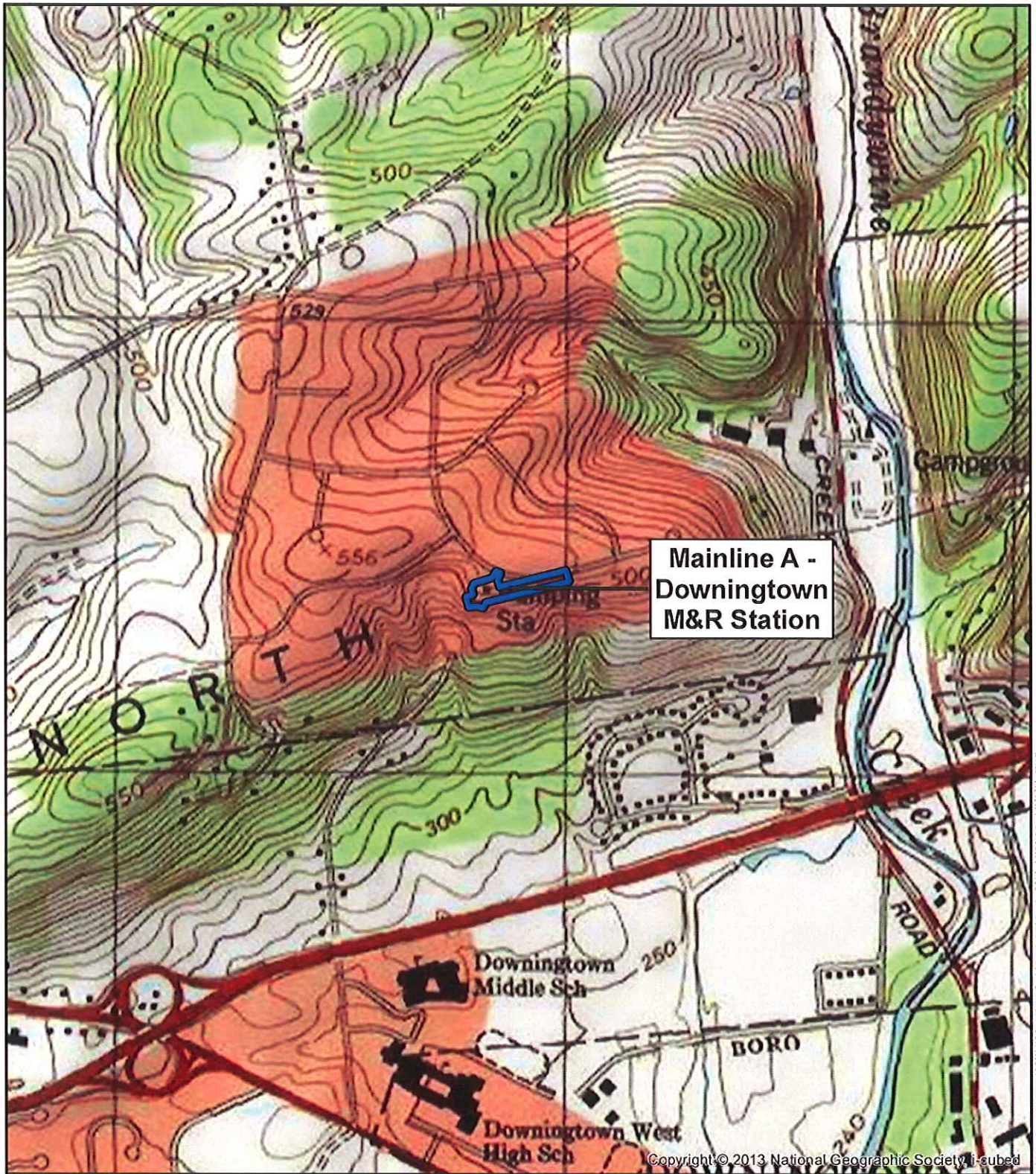
Enclosures: USGS Location Map
Aerial Photo depicting project boundaries

cc: M. Crandall- Williams
D. Richardson- Williams

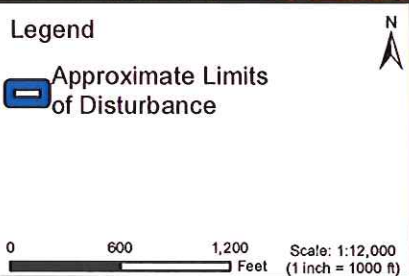
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USGS and AERIAL SITE LOCATION MAPS



Mainline A -
Downtown
M&R Station



Transcontinental Gas
Pipe Line Company
New York Bay Expansion
Mainline A - Downtown
M&R Station
East Brandywine Township, PA
USGS Project Location Map -
7.5-minute series topographic
quadrangle map

AECOM
125 Rock Road
Horsham, PA 19044
Phone: 215.315.4150

Figure 1

May 2015

Project #: 60342576

Path: Y:\Projects\WilliamsNew_York_Bay_Expansion\IXD\WarmincA_Downtown_M&R_Station_USGS.mxd



**Mainline A -
Downtown
M&R Station**

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

<p>Map Location</p>	<p>Legend</p> <p> Approximate Limits of Disturbance</p> <p>0 90 180 Feet</p>	<p style="text-align: center;">N</p> <p style="text-align: center;">Transcontinental Gas Pipe Line Company New York Bay Expansion</p> <p style="text-align: center;">Mainline A - Downtown M&R Station East Brandywine Township, PA</p> <p style="text-align: center;">Aerial Project Location Map</p>	<p style="text-align: center;">AECOM</p> <p style="text-align: center;">125 Rock Road Horsham, PA 19044 Phone: 215.315.4150</p> <hr/> <p style="text-align: center;">Figure 2</p> <hr/> <p style="text-align: center;">May 2015</p> <hr/> <p style="text-align: center;">Project #: 60342576</p>
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Map File Path: \\projects\williams\New_York_Bay_Expansion\Map\MainlineA_Downtown\MainlineA_Downtown_VIF_Station_Aerial.mxd
Image Source: ESRI, Inc.

Path: \\projects\williams\New_York_Bay_Expansion\Map\MainlineA_Downtown\MainlineA_Downtown_VIF_Station_Aerial.mxd



East Brandywine Township

1214 Horseshoe Pike
Downingtown, PA 19335

Telephone (610) 269-8230 Fax (610) 269-4157

Board of Supervisors

Hudson L. Voltz, Esq.
Chairman

Jay G. Fischer, Esq.
Vice-Chairman

Arnold M. Kring
Member

Office Hours: Monday through Friday 9:00 a.m. to 5:00 p.m.

Scott T. Piersol, Township Manager

Luke D. Reven, Assistant Township Manager

Matthew T. VanLew, Township Roadmaster

Mary Beth Smedley, Township Secretary/Treasurer

Norann King, Zoning/Permit Administration

June 1, 2015

Ms. Heather Brewster, Project Manager
AECOM
125 Rock Road
Horsham, PA 19044-2310

**RE: Transcontinental Gas Pipeline Company, LLC – New York Bay Expansion Project
East Brandywine Township review**

Dear Ms. Brewster:

I am responding to your May 28, 2015 letter requesting written comments pertaining to the sensitive environmental resources identified in the letter being located within ¼ mile of the proposed work space. Based on the information contained in the letter, I presume the proposed workspace is contained within the Downingtown Compressor Station property on Blakely Road in the Township.

Based on our records, I believe the project may be located within an area containing a supply well for the Downingtown Municipal Water Authority. I would recommend you contact the DMWA directly to confirm this information. The Downingtown Compressor Station is located within the Tunbridge development, which has existed since the 1980s.

The project also appears to be located within that distance of a development in Caln Township, which I believe to be the Hills at Rock Raymond, a phase of which is currently being constructed. If you have not already done so, I would recommend you contact Jeffrey McClintock at the Caln Township Office to confirm this information.

Other than the information referenced above, I am not aware of the existence of any other sensitive environmental features in this area. If you have further questions, please feel free to contact me at (610) 269-8230 x 203 or via email. Thank you.

Sincerely,

Scott T. Piersol, Township Manager

Cc: East Brandywine Township Supervisors, Planning Commission & Township Staff
Jeffrey McClintock, Caln Township Engineering & Codes Department Director
Downingtown Municipal Water Authority



AECOM
30 Knightsbridge Road, Suite 520
Piscataway, New Jersey 08854

[Phone] 732.564.3600
[Fax] 732.369.0122

Telephone Call Summary

By:	<u>Ellen Fyock</u>	Date:	<u>6/3/15</u>
Talked with:	<u>Dr. Fred Bopp, Executive Dir.</u>	Project number:	<u>60342576</u>
From (company):	<u>Downingtown Municipal Water Authority</u>	Project name:	<u>NY Bay Expansion</u>
Phone number:	<u>610-269-5362</u>	Subject:	<u>Water supply wells in vicinity of Mainline "A" Project area</u>
Distribution:	_____		

On June 3, 2015 I spoke with Dr. Fred Bopp at the Downingtown Municipal Water Authority regarding supply wells in the vicinity of the Mainline "A" project area in East Brandywine, PA. He said that they have an emergency backup well located off of Water Plant Way, approximately 0.75 miles from the Project area. He said that they had no other wells in the township. He also stated that although most houses receive their water supply from them, that some older houses that are not part of a subdivision may have domestic wells. These wells are regulated by the Chester County Health Department and they would be able to provide any information on the location of domestic wells.

Signature



AECOM
30 Knightsbridge Road, Suite 520
Piscataway, New Jersey 08854

[Phone] 732.564.3600
[Fax] 732.369.0122

Telephone Call Summary

By:	<u>Ellen Fyock</u>	Date:	<u>6/9/2015</u>
Talked with:	<u>Jeff McClintock</u>	Project number:	<u>60342576</u>
From (company):	<u>Caln Township Engineering</u>	Project name:	<u>Williams – New York Bay Expansion</u>
Phone number:	<u>610-384-0600</u>	Subject:	<u>Mainline 'A' project area</u>

Distribution: _____

On June 3, 2015, I called Jeffrey McClintock regarding a potential new housing development in the vicinity of the Mainline 'A' project area and left him a voicemail message. On June 9, 2015 he returned my call. He informed me that the Wood at Raymond Rock is an in-progress development in Caln Township south of the Downingtown Station and Mainline 'A' project area. The closest house in the development is approximately 0.5 miles south of the project area. The nearest part of the development currently under construction is approximately 0.75 miles south of the project area. No construction is planned closer to the project area.

Signature



AECOM
125 Rock Road
Horsham, PA 19044-2310

215.315.4150 tel
215.315.4151 fax

May 28, 2015

East Whiteland Township Planning Commission
Municipal Building
209 Conestoga Road
Frazer, PA 19355

**Subject: Transcontinental Gas Pipe Line Company, LLC
New York Bay Expansion Project
East Whiteland Township, Chester County, Pennsylvania
Planning Department Consultation**

Dear Township Planning Commission,

Transcontinental Gas Pipe Line Company, LLC (Transco) is seeking authorization from the Federal Energy Regulatory Commission (FERC) pursuant to Section 7(c) of the Natural Gas Act for the New York Bay Expansion Project (Project). The Project will provide up to 115 thousand dekatherms per day (MDth/d) of incremental firm transportation service from Transco's Station 195 with 65 MDth/d delivered to the Rockaway Transfer Point and 50 MDth/d delivered to the Narrows Meter Station. To accomplish the Project objectives, upgrades at various existing facilities are required.

This consultation request is specific to the Project activities occurring within East Whiteland Township associated with Transco's existing Station 200 (refer to the attached Project maps). The proposed limits of disturbance are depicted on the attached USGS and aerial location maps, which at Station 200 is situated within the limits of the station property. Construction of these activities is anticipated to begin in April, 2017 to meet a target in-service date of November, 2017. Within East Whiteland Township, the activities are planned as follows:

Aboveground Facilities

- Station 200 – Upgrade total station HP from 30,860 HP to 33,000 HP (2,140 HP increase) and add noise mitigation measures. Also includes installation of actuators on mainline (ML) regulators.

An Environmental Report, which is required as part of the FERC application and review process, is currently being prepared for the Project. As part of the FERC National Environmental Policy Act (NEPA) review, it is necessary to identify whether the proposed facilities (Station 200 and temporary workspace) will be within 0.25-miles of the following sensitive environmental areas:

- U.S. Environmental Protection Agency (EPA), State, or Municipal designated aquifers;
- State or municipal designated aquifer protection areas;
- Surface waters that provide public drinking water supplies;
- State or municipal designated surface water protection areas;
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AECOM

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Thank you for your anticipated attention regarding this matter. Please contact me at (215) 315-4302 if you have any questions or require additional information.

Yours sincerely,



Heather Brewster
Project Manager
heather.brewster@aecom.com

Enclosures: USGS Location Map
Aerial Photo depicting project boundaries

cc: M. Crandall- Williams
D. Richardson- Williams