

April 22, 2021

Ms. Laura Mensch  
Principal Planner  
Regulatory Programs Manager  
Delaware Coastal Programs  
DNREC, Division of Climate, Coastal, & Energy  
100 West Water Street, Suite 7B  
Dover, Delaware 19904

Re: Delaware Coastal Management Program Federal Consistency Review  
Delaware City Pressure Controller Project  
New Castle County, Delaware

Dear Ms. Mensch:

Eastern Shore Natural Gas Company (“Eastern Shore”) is a natural gas transmission company headquartered in Dover, Delaware. Eastern Shore is a fully owned subsidiary of Chesapeake Utilities Corporation, a diversified energy company also headquartered in Dover, Delaware, with operations on the Delmarva Peninsula, southeastern Pennsylvania, Florida and Ohio.

We submit this letter to initiate your review for the Delaware City Pressure Controller Project for compliance with Delaware’s Coastal Management Program. This permit submission is required per Federal Energy Regulatory Commission (FERC) regulations 18 C.F.R. § 157.206A. Site Location Maps depicting the location of the project are enclosed.

The Eastern Shore expansion/improvement project was initiated by an existing customer requesting additional gas volumes for their industrial activities. The improvements provided the extra capacity thus satisfying the customer’s needs. The construction activity was limited to previously disturbed areas within an existing yard. The predominant construction activities were above-grade piping installations. There were minor ground disturbances to provide piping support footers and approximately 600-square feet of disturbed area to install electrical and communication conduits. The trenched areas were generally three (3)-feet deep.

The total construction area is located together with Eastern Shore’s existing compressor station facilities located on School House Road, Delaware City, Delaware. The Eastern Shore facilities are just west of the Delaware City Refinery. Following is a detailed description of the proposed activity, an assessment of the probable coastal effects of the project, and the findings derived from the assessment indicating compliance:

List of Attachments:

1. Project Location Site Maps;
2. National Wetland Inventory Mapping;
3. Flood Hazard Area Map;
4. Tax Ditch Area Map;

## COASTAL ZONE EFFECTS ASSESSMENT:

The proposed project will have minimal or no effect on coastal resources, as outlined below in accordance with Coastal Management Program Policies from *Delaware Coastal Management Program (DCMP), Comprehensive Update and Routine Program Implementation (CURPI)*, dated November 2018, and published by the DNREC. Delaware Coastal Management Program Policy numbers listed below correspond to policy numbers in the *CURPI*.

5.1 Wetlands Management: Eastern Shore reviewed the National Wetland Inventory Mapping and found no evidence of known wetlands in or around the limits of disturbance for this project. In addition, the limit of disturbance included known areas of previous disturbance and construction activity. The existing condition of the lands within the limit of disturbance included exclusively stone cover. The project is consistent with the DMCP Policy as no wetlands will be impacted and there are no adjacent wetlands.

5.2 Beach Management: This project does not propose to impact public or private beaches.

### 5.3 Coastal Waters Management:

5.3.1 General: Through careful consideration of the proposed relocation, proposed impacts to federally regulated wetlands and waterbodies are minimalized. Construction of the facility will be performed in accordance with approved grading, sediment, and erosion control plans to protect adjacent and nearby waterbodies from sediment.

5.3.2 Marinas: The proposed project does not involve a marina.

5.4 Subaqueous Lands and Coastal Strip Management: The proposed project does not impact any subaqueous lands and is not located within the Coastal Strip.

5.5 “Public Lands” Management: The majority of disturbance for the proposed project is temporary. Proposed impacts to State public lands, if any, will be performed in accordance with construction plans reviewed and approved by state agencies.

5.6 Natural Areas Management: The proposed project does not disturb nature preserves and is not located within the watershed for Delaware’s Inland Bays.

5.7 Flood Hazard Areas Management: The FEMA FIRM Map (230 of 0475) places the Project location outside of all potential flood risk zones. The flood hazard area map is attached to this submission. Eastern Shore will maintain the preconstruction conditions in this area.

5.8 Port of Wilmington: The proposed project is not located near the Port of Wilmington.

### 5.9 Woodlands and Agricultural Lands Management:

5.9.1 Woodlands: This project does not disturb any existing woodland areas.

5.9.2 Silviculture: The project does not propose any silviculture activities.

5.9.3 Agricultural lands: The project does not disturb any agricultural lands.

5.9.4 Tax Ditches: According to the DNREC Delaware Environmental Navigator [website](https://maps.dnrec.delaware.gov/navmap/) <https://maps.dnrec.delaware.gov/navmap/> the proposed project is not within any tax ditch areas.

5.10 Historic and Cultural Areas Management: Consultation with the Delaware State Historic Preservation Office (SHPO) is underway. We expect that SHPO will conclude that no historic properties eligible for, or listed on, the National Register will be affected by this undertaking and no further architectural or archaeological survey is needed. We will provide this concurrence once received.

5.11 Living Resources: Eastern Shore did not contact the United States Fish and Wildlife Service (USFWS) and the DNREC Division of Fish & Wildlife (DFW) inquiring about the possible presence of rare, threatened, or endangered species within the project area. The area is previously disturbed lands associated with previous construction activities, completely under stone cover located within an active, industrial yard used for natural gas piping and compression.

5.12 Mineral Resource Management: This project does not propose the extraction and/or production of minerals.

5.13 State Owned Coastal Recreation and Conservation: This project does not propose to impact state-owned lands whose natural condition or present state of use would maintain important recreational areas and wildlife habitat, or would maintain or enhance the conservation of natural, cultural, or historic resources. Additionally, the proposed project is not located within the Coastal Strip.

5.14 Public Trust Doctrine: The public has a right of navigation and fishery on all streams where the tide ebbs and flows. This project does not propose impact to any tidal waterways.

5.15 Energy Facilities: The proposed project is not located within the Coastal Strip and does not propose any heavy industry uses of any kind of offshore gas and liquid or solid bulk product transfer facilities; the construction of new petroleum refineries; the construction of offshore deep-water ports, production, or exploration facilities; the construction of off-shore pipelines; the construction of outer continental shelf energy facilities; storage tanks connected to outer continental shelf facilities; or construction of a nuclear power plant.

5.16 Public Investment: Neither the Delaware Water Pollution Control Revolving Fund nor large-scale resource recovery and recycling projects are applicable to the proposed project. Furthermore, the project is not a highway improvement or public housing project.

5.17 Recreation and Tourism: The proposed project is not directly related to recreation or tourism.

5.18 National Defense and Aerospace Facilities: The proposed project is not a national defense or aerospace facility.

5.19 Transportation Facilities: The proposed project is not applicable to the expansion and development of the Port of Wilmington; activities involving the transfer of petroleum products; the construction, maintenance, and improvement of transportation systems; transportation alternatives to private motor vehicles and highways; railroad networks; public transit systems; new or expanded port facilities.

5.20 Air Quality Management: Negligible air emissions are associated with the operation of the project. Potential air quality impacts will be temporary and associated with the construction phase of the project. As proposed, the project will not require State or Federal air permits.

5.21 Water Supply Management: Construction of the proposed project will not require the construction of groundwater wells or underground injections of material other than those used for directional drilling procedures for the installation of the underground gas line. Surface or groundwater withdraws, if required for the construction of the project, will be appropriately permitted.

## 5.22 Waste Disposal Management

5.22.1 On-site Wastewater Treatment and Disposal System Management: This topic is not applicable to the proposed project.

5.22.2 Land Treatment of Wastes: This topic is not applicable to the proposed project.

5.22.3 Disposal of Solid Wastes: No solid waste is expected to be encountered. Any solid waste encountered will be handled in accordance with Eastern Shore's Waste Management Plan (attached).

5.22.4 Hazardous Waste Management: No hazardous waste is expected to be encountered. Any hazardous waste encountered will be handled in accordance with Eastern Shore's Waste Management Plan (attached).

5.22.5 Cleanup of Hazardous Substances: No hazardous waste is expected to be encountered. Any hazardous waste encountered will be handled in accordance with Eastern Shore's Waste Management Plan (attached).

5.22.6 Underground Storage Tanks: This topic is not applicable to the proposed project.

5.23 Development: The proposed project is not a community development project, commercial strip development project, major commercial development project, highway oriented development project, industrial site development or redevelopment project, a future site for a marine terminal, or a future site for a bulk transfer facility. The proposed project is a natural gas pipeline facility proposed within an existing industrial yard used for natural gas piping and compression.

5.24 Pollution Prevention: Disposal of solid waste is not anticipated for this project. If generated, the generation of waste will be reduced or eliminated as expeditiously as possible, and waste that is generated will be recovered, reused, recycled, treated, or disposed of in a manner that minimizes present or future threats to human health or the environment. Furthermore, it is understood that industries are encouraged to utilize the DNREC Pollution Prevention Program's services, including non-regulatory technical assistance and information, to ensure that the potential for degradation of the quality of air, land, and water is minimal.

5.25 Coastal Management Coordination: The proposed project is proposed by a State Agency that is required to coordinate coastal management.

## **Findings**

With careful consideration of the proposed relocation, Eastern Shore believes that the activities proposed adjacent to wetlands and waterbodies will be conducted in a manner that minimizes resource destruction, degradation, and fragmentation, helps preserve the natural and beneficial values of these resources, and the public's interest therein. Furthermore, the project should not result in the degradation of Delaware's bays and coastal areas as the proposed natural gas pipeline will be located outside of the Coastal Strip. Sediment



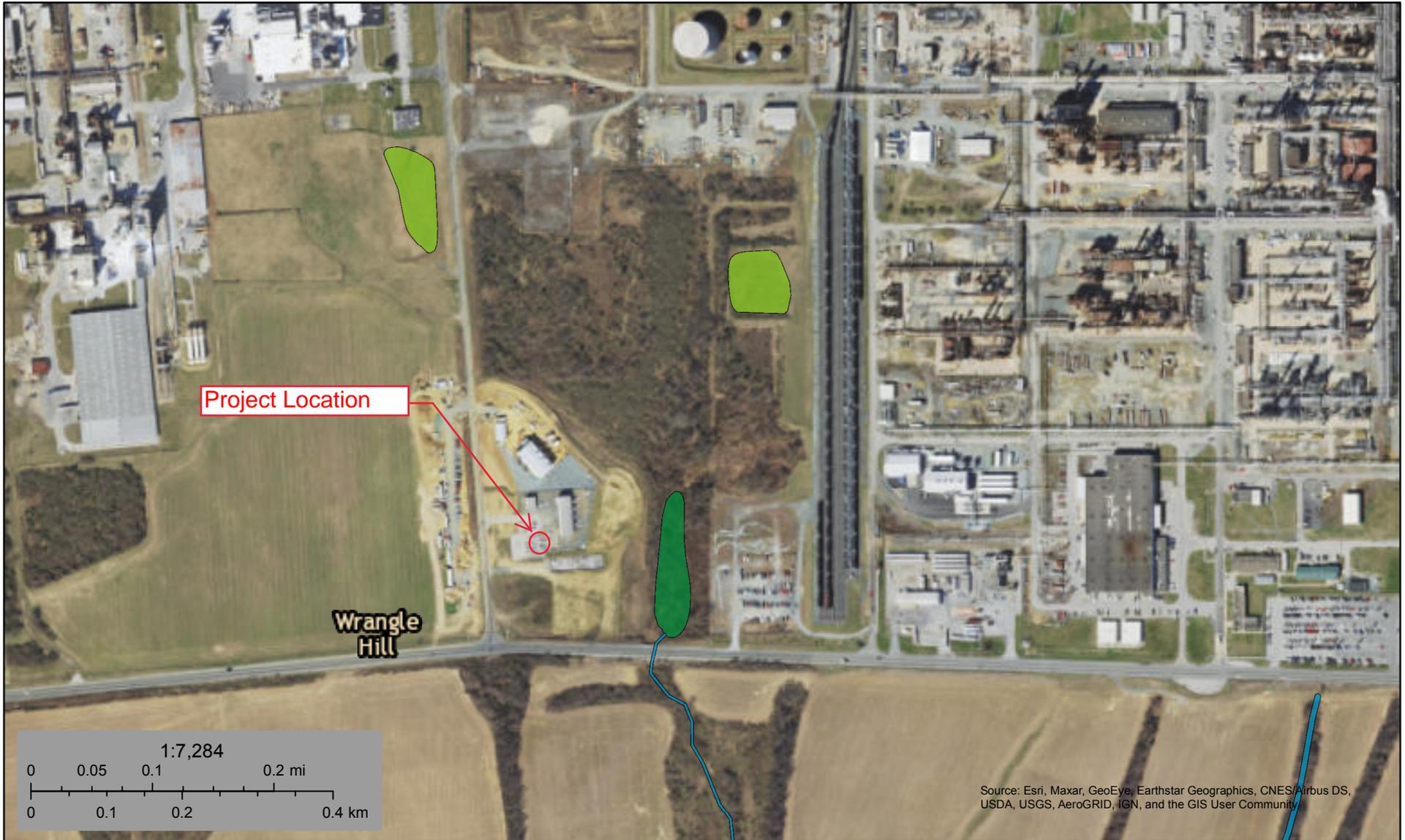
and erosion control measures will be utilized to minimize, to the maximum extent practicable, the degradation of downstream water quality and habitat.

We believe that all relevant agencies indicate that the proposed project will not result in significant adverse impacts to known rare, threatened, or endangered species of plants, animals, or natural communities. Eastern Shore respectfully requests concurrence that the proposed relocation project is in compliance with the Delaware Coastal Zone Management Program. Please contact me (302-373-4715) with any questions or comments.

Sincerely,

A handwritten signature in blue ink that reads "Mark C. Parker".

Mark C. Parker, P.E.  
Eastern Shore Natural Gas  
Engineering Manager



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

April 21, 2021

**Wetlands**

- Estuarine and Marine Deepwater
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

**NOTES TO USERS**

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The community map repository should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations (BFEs)** and/or **floodways** have been determined, users are encouraged to consult the **Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations** tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

**Coastal Base Flood Elevations** shown on this map apply only to landward of 0' North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations tables in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations tables should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The projection used in the preparation of this map was State Plane Delaware zone (FIPSZONE 0700). The horizontal datum was NAD 83, GRS80 spheroid. Differences in datum, spheroid, projection or State Plane zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of information shown on this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same vertical datum. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at <http://www.ngs.noaa.gov> or contact the National Geodetic Survey at the following address:

NGS Information Services  
NOAA, NNGS12  
National Geodetic Survey  
SSMC-3, #9202  
1315 East-West Highway  
Silver Spring, Maryland 20910-3282  
(301) 713-3242

To obtain current elevation, description, and/or location information for bench marks shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3242, or visit its website at <http://www.ngs.noaa.gov>.

**Base map** information shown on this FIRM for political boundaries and road centerlines were provided in digital format by New Castle County in 2013. The base map features were compiled at a scale of 1:24,000 from aerial photography dated 2011.

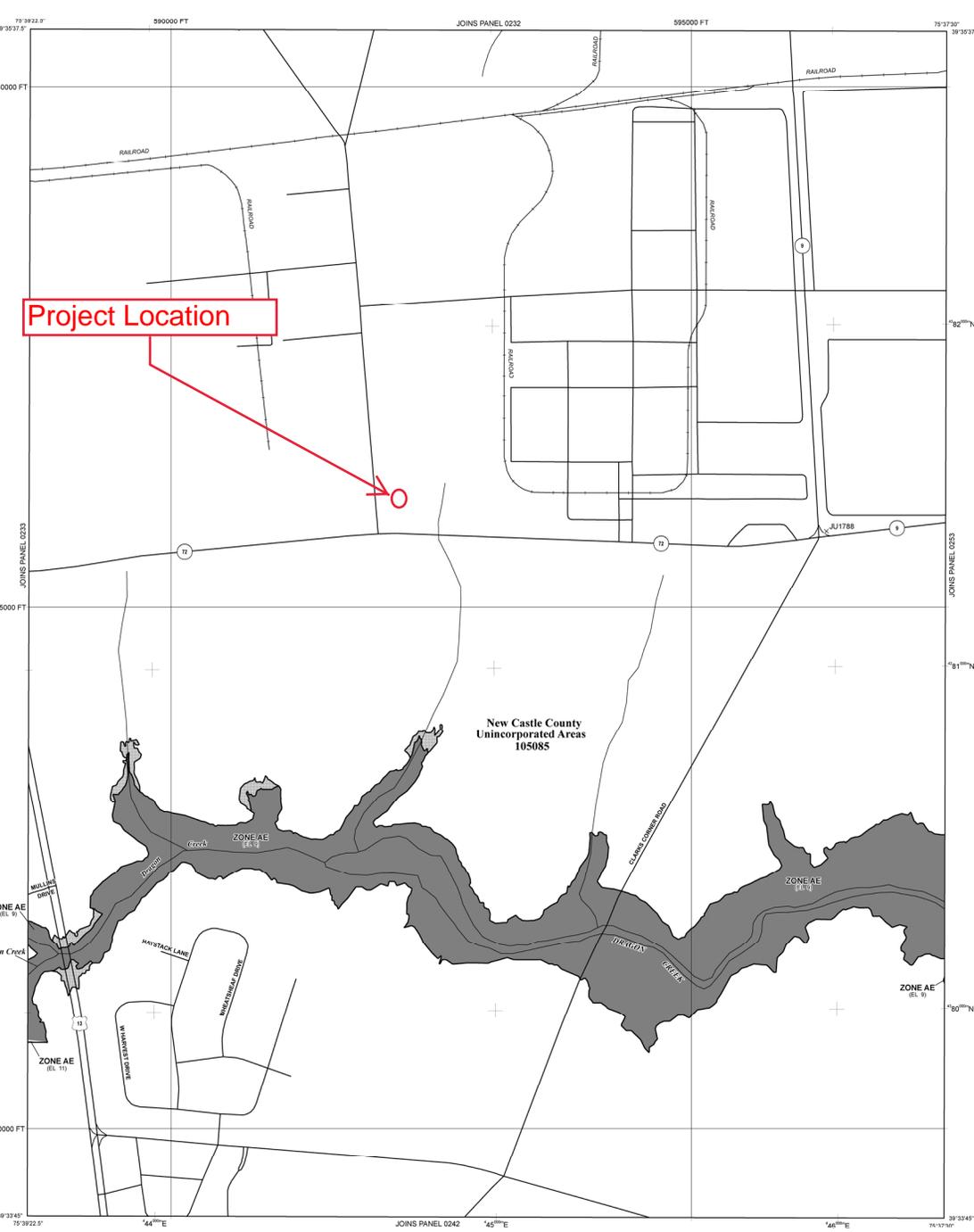
This map reflects more detailed and up-to-date stream channel configurations than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables in the Flood Insurance Study Report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map.

**Corporate limits** shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

Contact the **FEMA Map Information eXchange** at 1-877-336-2627 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study report, and/or digital versions of this map. The FEMA Map Information eXchange may also be reached by Fax at 1-800-358-9520 and their website at <http://www.msc.fema.gov>.

If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call 1-877-FEMA-MAP (1-877-336-2627) or visit the FEMA website at <http://www.fema.gov/businessinfo>.



**LEGEND**

- SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD**
- ZONE A** No Base Flood Elevations determined.
- ZONE AE** Base Flood Elevations determined.
- ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
- ZONE AD** Flood depths of 1 to 3 feet (usually street flow on driving terrain); average depths determined. For areas of alluvial fan flooding, depths also determined.
- ZONE AR** Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently determined. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
- ZONE A99** Areas to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
- ZONE V** Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
- ZONE VE** Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.
- FLOODWAY AREAS IN ZONE AE**
- OTHER FLOOD AREAS**
- ZONE X** Areas of 0.2% annual chance flood, areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile, and areas protected by levees from 1% annual chance flood.
- OTHER AREAS**
- ZONE X** Areas determined to be outside the 0.2% annual chance floodplain.
- ZONE D** Areas in which flood hazards are undetermined, but possible.
- OTHERWISE PROTECTED AREAS (OPAs)**
- OPAs areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.
- Floodplain boundary
- Railroad boundary
- Zone D boundary
- CRS and OPN boundary
- Boundary showing Special Flood Hazard Area Zones and boundary showing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities
- Levels of knowledge via action
- Base Flood Elevation line and static elevation in feet (EL 997)
- Referenced to the North American Vertical Datum of 1988
- Cross section line
- Transverse line
- Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
- 76°07'45", 32°22'30"
- 76°00'00" - 1
- 3000-foot grid values. Use aware State Plane coordinate system (FIPSZONE 0700), Transverse Mercator projection
- DX5510 x
- Bench mark (see explanation in Notes to Users section of this FIRM)
- River Mile
- MAP REPOSITORY
- Refer to listing of Map Repositories on Map Index
- EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
- April 17, 1998
- EFFECTIVE DATES OF REVISIONS TO THIS PANEL
- See Notice to Users page in FIS Report

**NFIP** PANEL 0234K

**FIRM**  
FLOOD INSURANCE RATE MAP

**NEW CASTLE COUNTY, DELAWARE AND INCORPORATED AREAS**

PANEL 234 OF 475  
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS	COMMUNITY	NUMBER	PANEL	SUFFIX
	NEW CASTLE COUNTY	10000	0234	X

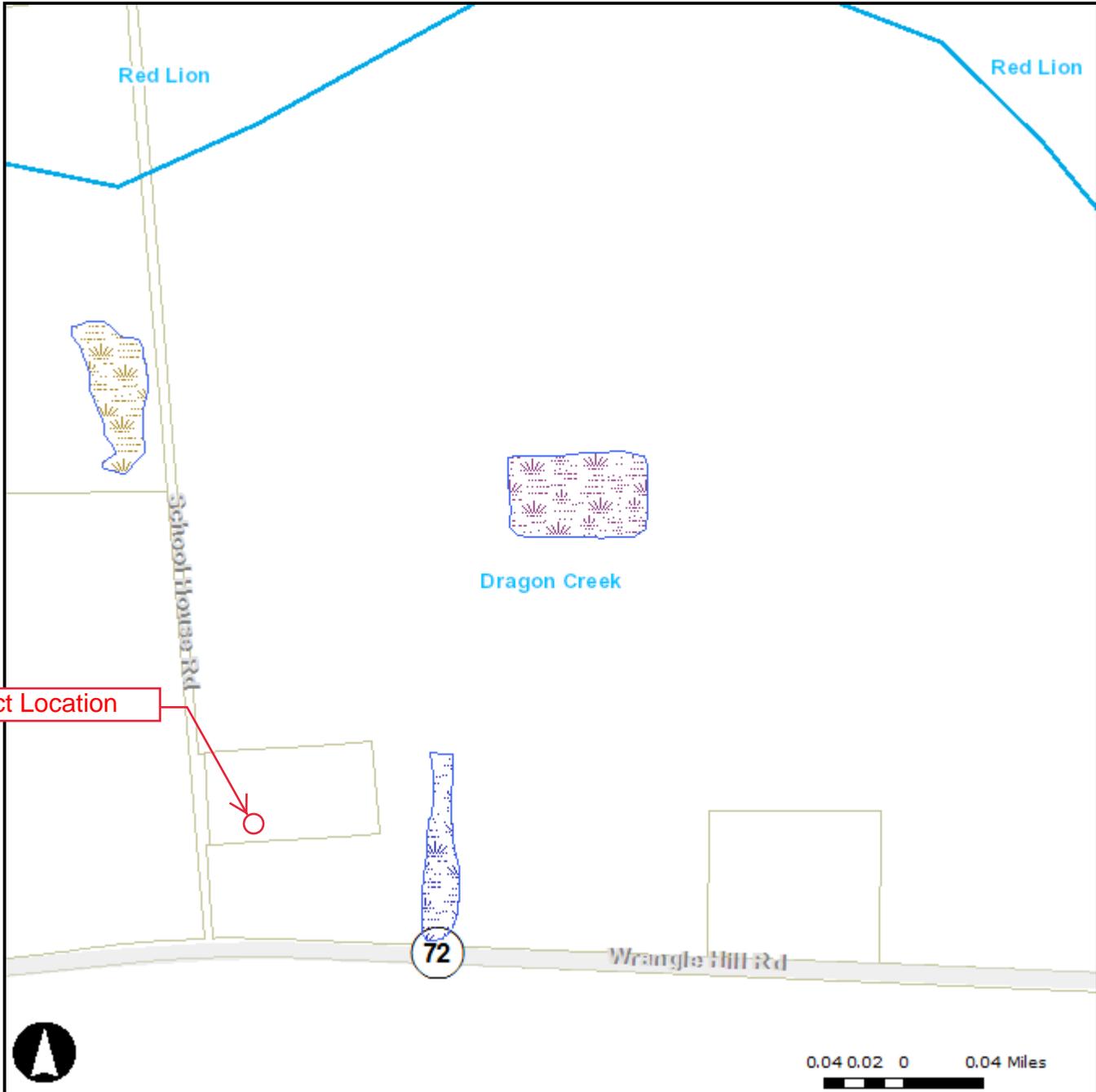
Notice to User: The Map Number shown below should be used when placing map orders. The Community Number shown above should be used on insurance applications for the subject community.

**MAP NUMBER 10003C0234K**

**MAP REVISED FEBRUARY 4, 2015**

Federal Emergency Management Agency

# Map



## Watersheds



Tax Ditch Maximum ROWs



Extent of Right-of-Way

FEMA Flood Maps



X 500



AE



State Wetlands 2007

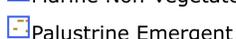


Estuarine Non-Vegetated

## State Wetlands 2007 (continued)



Marine Non-vegetated



Palustrine Forested



Palustrine Forested Evergreen



Palustrine Open Water/Flats

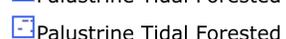


Palustrine Scrub/shrub

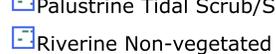
## State Wetlands 2007 (continued)



Palustrine Tidal Forested



Palustrine Tidal Scrub/Shrub



Riverine Vegetated

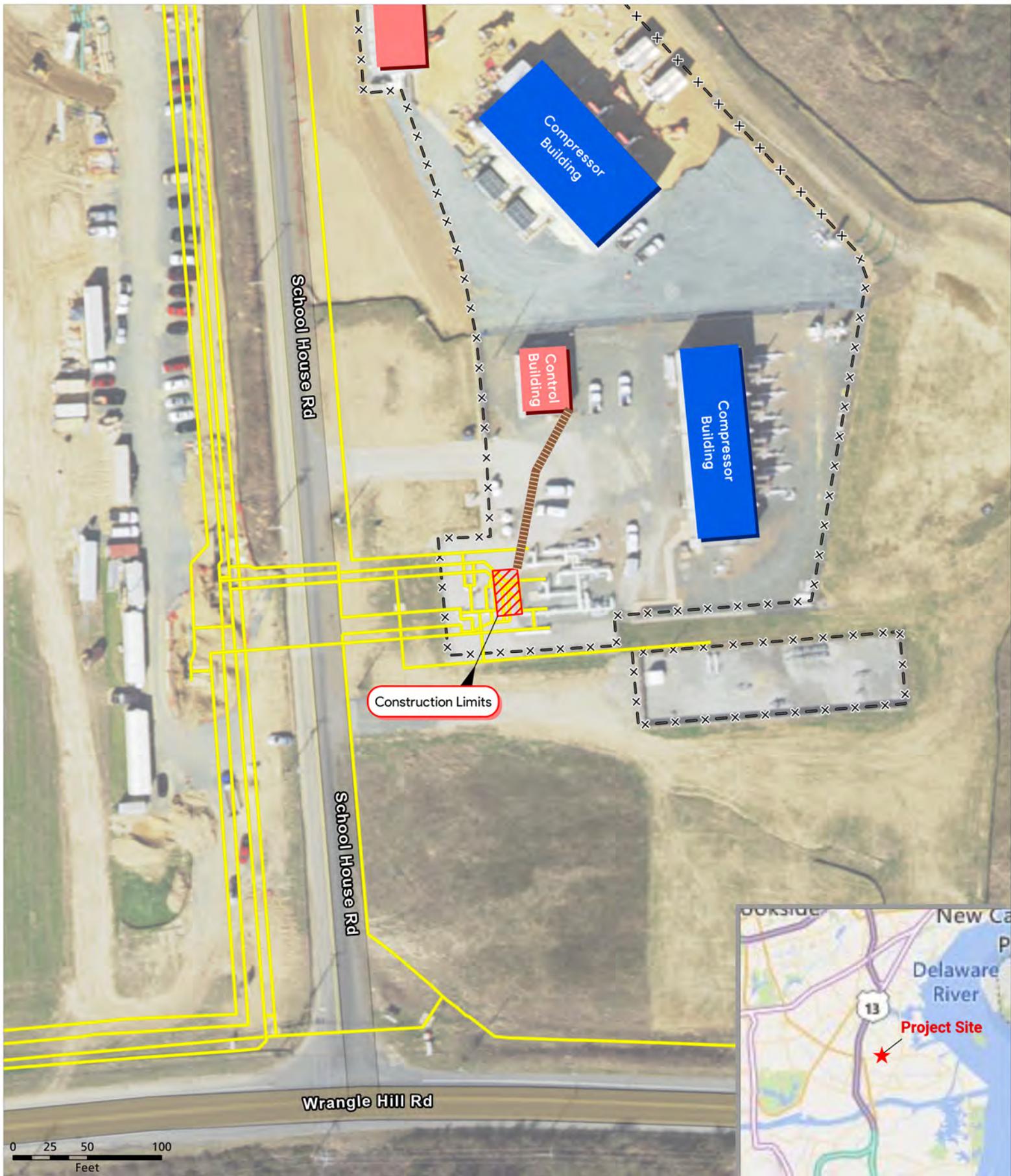
Wellhead Protection Areas



 Estuarine Vegetated

**Copyright DNREC 2009**

Copyright Delaware Department of Natural Resources and Environmental Control, 2009



**Refinery South Controller  
Delaware City  
New Castle County, Delaware**

Map Key	
	Construction Limits
	Trench - Electrical Conduits
	ESNG Pipeline
	Fenceline
	Compressor
	Control

**EASTERN SHORE**  
NATURAL GAS

PRODUCED BY: PL

DATE CREATED: 4/21/2021

CSYS: NAD 1983 STATEPLANE DELAWARE FIPS 0700 FEET  
PROJECTION: TRANSVERSE MERCATOR  
DATUM: NORTH AMERICAN 1983  
Layer Credits: ESNG, Esri

EASTERN SHORE NATURAL GAS  
500 ENERGY LANE, SUITE 200  
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Ph: 302.736.7831 | Fax: 302.735.5601

1:1,000