

**THE TOLEDO EDISON COMPANY
SUBSIDIARY OF FIRSTENERGY CORP.**

LETTER OF NOTIFICATION

**DELTA-WAUSEON 138 kV TRANSMISSION LINE
RELOCATE GUYING FOR NORTH STAR STEEL YORK**

OPSB CASE NO.: 12- 3233 -EL-BLN

December 11, 2012

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**Toledo Edison, Incorporated
76 South Main Street
Akron, Ohio 44308**

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**LETTER OF NOTIFICATION
DELTA-WAUSEON 138 kV TRANSMISSION LINE
RELOCATE GUYING FOR NORTH STAR STEEL YORK**

The following information is being provided in accordance with the procedures delineated in Ohio Administrative Code Section 4906-11-01: Letter of Notification Requirements of the Rules and Regulations of the Ohio Power Siting Board.

4906-11-01 (B): General Information

4906-11-01 (B) (1) a : Name and Reference Number

Name of Project: Delta-Wauseon 138 kV Transmission Relocate Guying for North Star Steel York Project ("Project")

2012 LTFR Reference: This Project is not identified in FirstEnergy Corp.'s 2012 Electric Long-Term Forecast Report ("LTFR") submitted to the Public Utility Commission of Ohio in Case Number 12-504-EL-FOR.

4906-11-01 (B) (1) b : Brief Description of Project

In this Project, The Toledo Edison Company ("Toledo Edison"), a subsidiary of FirstEnergy Corp., is proposing to install one transmission structure and relocate existing guy wires and anchors from an existing transmission structure within the existing right-of-way of the Delta-Wauseon 138 kV Transmission Line Tap to North Star Steel York for the construction of a breaker foundation within the North Star Steel York Substation. This will be accomplished by installing one new transmission structure west of the existing transmission structure and relocating existing guy wires and anchors, that extend into the North Star Steel York Substation from the existing transmission structure, to the new transmission structure outside of the North Star Steel York Substation. Exhibit 1 shows the General Location of the Delta-Wauseon 138 kV Transmission Line Tap to North Star Steel York. Exhibit 2 shows the general layout of the proposed Project.

The work will involve installing one wood pole structure and relocating guy wires and anchors from an existing wood pole structure to the new structure. The new structure is shown in Exhibit 3. The existing conductor will be reused between the new structure and the existing dead end structure. The new structure will be installed approximately 104 ft west of the first structure outside of the North Star Steel York Substation, as shown in Exhibit 2.

The Project is located in York Township, Fulton County, Ohio. The existing transmission line tap is owned and operated by Toledo Edison.

4906-11-01 (B) (1) c : Why the Project Meets the Requirements for a Letter of Notification

The Project meets the requirements for a Letter of Notification because the Project is within the types of project defined by Items (4)(a) of the Interim Application Requirement Matrix for Electric Power Transmission Lines in Appendix A of 4906-1-01 of the Ohio Administrative Code. These items state:

(4) Replacing electric power transmission line structure(s) with a different type of structure(s) or adding structure(s) within an existing electric power transmission line and:

(a) Two miles or less of new right-of-way required.

The proposed Project includes installing one (1) structure and relocating existing guy wires and anchors from an existing structure to the new structure of the Delta-Wauseon 138 kV Transmission Line Tap to North Star Steel York within the existing transmission right-of-way.

4906-11-01 (B) (2): Need for the Project

The project is being undertaken as a result of the planned Fulton 345/138 kV Substation Project in 2013. The Fulton Substation project will significantly increase the fault current in the area and the fuse at North Star Steel York Substation will no

longer provide adequate protection. The fuse at North Star Steel York Substation will be replaced with a circuit breaker. Guy wires from the existing structure on the Delta-Wauseon 138 kV Transmission Line Tap to the North Star Steel York will need to be relocated for the installation of the North Star Steel York Substation breaker and breaker foundation.

4906-11-01 (B) (3): Location Relative to Existing or Proposed Lines

The location of the Project relative to existing or proposed transmission lines is shown in the FirstEnergy System Facilities map, included as the last page of Chapter 3 of the confidential portion of the FirstEnergy Corp. 2012 Long-Term Forecast Report submitted to the PUCO in Case No. 12-504-EL-FOR under rules 4901:5-5:04 (C) of the Ohio Administrative Code. This map shows ATSI's 345 kV and 138 kV transmission lines and transmission substations, including the location of the Delta-Wauseon 138 kV Transmission Line Tap to North Star Steel York. The project area is located approximately 3 ¾ inches (11 by 17 inch printed version) from the left edge of the map box and 2 ½ inches (11 by 17 inch printed version) from the top of the map box. The general location of the Project is shown on Exhibit No. 1. The general layout of the Project is shown in Exhibit No. 2.

4906-11-01 (B) (4): Alternatives Considered

There were no other alternatives considered.

4906-11-01 (B) (5): Construction Schedule

Construction on the Project is expected to begin on approximately January 16, 2013 and is expected to be completed and placed in-service by April 1, 2013.

4906-11-01 (B) (6): Area Map

Exhibit No. 1 is a map depicting the general location of the project site. To locate and view the project site from the Columbus, Ohio area, travel north on OH-315 for approximately 22 miles. Turn left onto US-23 N/Columbus Pike approximately 55.7 miles. Continue onto OH-15 W for approximately 17 miles. Merge onto I-

75N/OH-15 W continue to follow I-75 N for approximately 37.7 miles. Take the OH-795 exit toward I-80/I-90/Perrysburg/Ohio Turnpike and merge onto I-80 W/I-90 W/ Ohio Turnpike Toll road for approximately 24.9 miles. Take Ohio Turnpike exit 39 for Ohio 109 Toll road onto OH-109 S for approximately 2.4 miles. Continue onto County Road 10 for approximately 0.4 miles. The Project site will be 2,200 feet east of County Road 10.

4906-11-01 (B) (7): Property Owner List

The following is the property information for which an easement have been obtained prior to constructing the project:

North Star Bluescope Steel LLC
6767 County Road 9
Delta, OH 43515

4906-11-01 (C): Technical Features of the Project

4906-11-01 (C) (1): Operating Characteristics

The existing transmission line tap is designed and constructed for 138 kV operation. The transmission line tap has the following characteristics:

| | |
|------------------|--|
| Voltage: | 138 kV |
| Conductor: | 336.4 kcmil 18/1 ACSR |
| Static Wire: | 5/16" 7 Strand EHS |
| Insulators: | 138 kV Polymer Suspension and Polymer Horizontal Post |
| Structure types: | Exhibit No. 3 – 138 kV wood single circuit dead end structure |

The proposed project is located within the existing 100 foot right-of-way of the Delta-Wauseon 138 kV Transmission Line Tap to North Star Steel York. No additional right-of-way is required for this project.

4906-11-01 (C) (2) (a): Calculated Electric and Magnetic Fields

The following table itemizes the line loading of the existing transmission line tap in the proposed Project. The proposed Project normal line loading of 481 amps and emergency line loading of 481 amps is based on the normal load served to the North Star Steel York Substation. The winter rating for the proposed Project is based on the continuous maximum conductor ratings (MCR) of the circuits for an ambient temperature of zero degrees centigrade (32 deg. F), wind speed of 1.3 miles per hour, and a circuit design operating temperature of 100 degrees centigrade (212 deg. F).

| Line Name | Normal Loading Amps | Emergency Loading Amps | Winter Rating Amps |
|---|------------------------|---------------------------|-----------------------|
| Delta-Wauseon 138 kV Transmission Line Tap to North Star Steel York Substation | 481 | 481 | 950 |

The following calculations provide an approximation of the magnetic and electric fields strengths of the 138 kV transmission line tap. The calculations provide an approximation of the electric and magnetic field levels based on specific assumptions utilizing the EPRI EMF Workstation 2009 program software. This program software assumes the input transmission line configuration is located on flat terrain. Also, a balanced, three-phase circuit loading is assumed for the transmission circuit. The model utilizes the normal, emergency, and winter rating of the tap.

| EMF CALCULATIONS | | Electric Field kV/meter | Magnetic Field mGauss |
|----------------------|-------------------------|----------------------------|--------------------------|
| Normal Loading | Under Lowest Conductors | 1.37 | 49.695 |
| | At Right-of-Way Edges | 0.15/0.125 | 14.0/12.78 |
| Emergency Loading | Under Lowest Conductors | 1.37 | 49.695 |
| | At Right-of-Way Edges | 0.15/0.125 | 14.0/12.78 |
| Winter Rating | Under Lowest Conductors | 1.37 | 98.122 |
| | At Right-of-Way Edges | 0.15/0.125 | 28.0/25.233 |

4906-11-01 (C) (2) (b): EMF Discussion

Background Information

Electric and magnetic fields (EMFs) are naturally occurring in the environment and can be found in the Earth's interior and in the human body. EMFs are generated essentially anywhere there is a flow of electricity, including electrical appliances and power equipment. Electric fields are associated with the voltage of the source; magnetic fields are associated with the flow of current in a wire. The strength of these fields decreases rapidly with distance from the source. EMFs associated with electricity use are not disruptive to cells like x-rays or ultraviolet rays from the sun. These fields are thought to be too weak to break molecules or chemical bonds in cells. Extensive research has been conducted over the past three decades to determine whether EMFs are associated with adverse health effects. A number of independent scientific panels have reviewed the research and have stated that there is no basis to conclude that EMFs cause adverse health effects nor has it been shown that levels in everyday life are harmful.

Recent Developments

As a part of the National Energy Policy Act of 1992, the Electric and Magnetic Fields Research and Public Information Dissemination (EMF RAPID) program was initiated within the five-year effort under the National EMF Research Program. The culmination of this five-year effort resulted in a final RAPID Working Group report, which was released for public review in August 1998. The Director of the National Institutes of Environmental Health Sciences (NIEHS) then prepared a final report to Congress after receiving public comments.

The NIEHS' Director's final report, released to Congress on May 4, 1999, concluded that extremely low frequency electric and magnetic fields (ELF-EMF) exposure cannot be recognized at this time as entirely safe because of weak scientific evidence that exposure may pose a leukemia hazard. The Director further stated that the conclusion of this report is insufficient to warrant aggressive regulatory concern.

Sources for Additional Information

The following websites sponsored by federal agencies or other organizations provide additional information on EMF:

- Centers for Disease Control/National Institute for Occupational Safety and Health: <http://www.cdc.gov/niosh/topics/emf/>
- National Institute of Environmental Health Sciences (NIEHS) EMF Rapid Program: <http://www.niehs.nih.gov/emfrapid/home.htm>

4906-11-01 (C) (3): Estimated Costs

The estimated capital costs by FERC Accounts for the proposed Project are:

| Account | Cost |
|------------------------|-----------------|
| 355 Poles and Fixtures | \$ 48,000 |
| <u>Removal</u> | <u>\$ 2,000</u> |
| Total | \$ 50,000 |

4906-11-01 (D): Socioeconomic Data

4906-11-01 (D) (1): Land Use

The Project area is located in an industrial area. Neighboring land use in the area of the proposed Project includes agricultural and industrial use. Based on the U.S. Bureau of Census estimates, the 2010 population of the York Township was 4,145 and Fulton County, Ohio was 42,698.

4906-11-01 (D) (2): Agricultural Land

The placement of the new structures and guying will not impact agricultural land use. There will be no structures in agricultural land.

4906-11-01 (D) (3): Archaeological or Cultural Resources

As part of Toledo Edison's investigation of the project site, a search of the Ohio Historic Preservation Office (OHPO) National Register of Historic Places on-line database was conducted. This search did not identify the existence of any historic sites within the project area. Properties in the OHPO database include all Ohio

listings on the National Register of Historic Places as well as districts, sites, buildings, structures, and objects that are significant in American history, architecture, archeology, engineering, and culture.

4906-11-01 (D) (4) a : Documentation of Letter of Notification Transmittal

This Letter of Notification is being provided concurrently to the following officials of York Township, and Fulton County, Ohio.

Fulton County

The Honorable Paul Barnaby
President, Fulton County
Commissioner
152 South Fulton Street
Wauseon, OH 43567

The Honorable Dean Genter
Fulton County Commissioner
152 South Fulton Street
Wauseon, OH 43567

The Honorable Perry Rupp
Fulton County Commissioner
152 South Fulton Street
Wauseon, OH 43567

Mr. Steve Brown
Director, Fulton County Regional
Planning Commission
152 South Fulton Street
Suite 230
Wauseon, OH 43567

Mr. Vond T. Hall
County Administrator, Fulton County
152 South Fulton Street
Wauseon, OH 43567

Mr. Frank T. Onweller, P.E., P.S.
Fulton County Engineer
9120 County Road 14
Wauseon, OH 43567-9669

York Township

The Honorable John H. Trowbridge
York Township Trustee
7669 County Road F
Delta, Ohio 43515

The Honorable Dennis Wyse
York Township Trustee
7140 County Road 12
Wauseon, Ohio 43567

The Honorable Tom Tedrow
York Township Trustee
4237 County Road 9
Delta, Ohio 43515

Ms. Karen S. Miller
Fiscal Officer, York Township
7614 County Road E
Delta, Ohio 43515

Copies of the transmittal letters to these officials have been included with the transmittal letter submitting this Letter of Notification to the Ohio Power Siting Board.

4906-11-01 (D) (4) b: Public Information Program

Toledo Edison's Area Manager will advise local officials of features and the status of the proposed transmission line Project as necessary.

4906-11-01 (D) (5): Current or Pending Litigation

There is no known current or pending litigation involving this Project.

4906-11-01 (D) (6): Local, State, and Federal Requirements

There are no known local, state, or federal requirements that must be met prior to commencement of construction on the proposed transmission line Project.

4906-11-01 (E): Environmental Data

4906-11-01 (E) (1): Endangered, Threatened, and Rare Species Investigation

A written request was submitted via fax to the Ohio Department of Natural Resources (ODNR) on January 30, 2012 to research the presence of any endangered, threatened, or rare species for the nearby Tap to Linde BOC Project shown on Exhibit 2. The ODNR's response of February 2, 2012, attached as Exhibit 4, indicated that they have no records of rare or endangered species within one half mile of the identified Project area.

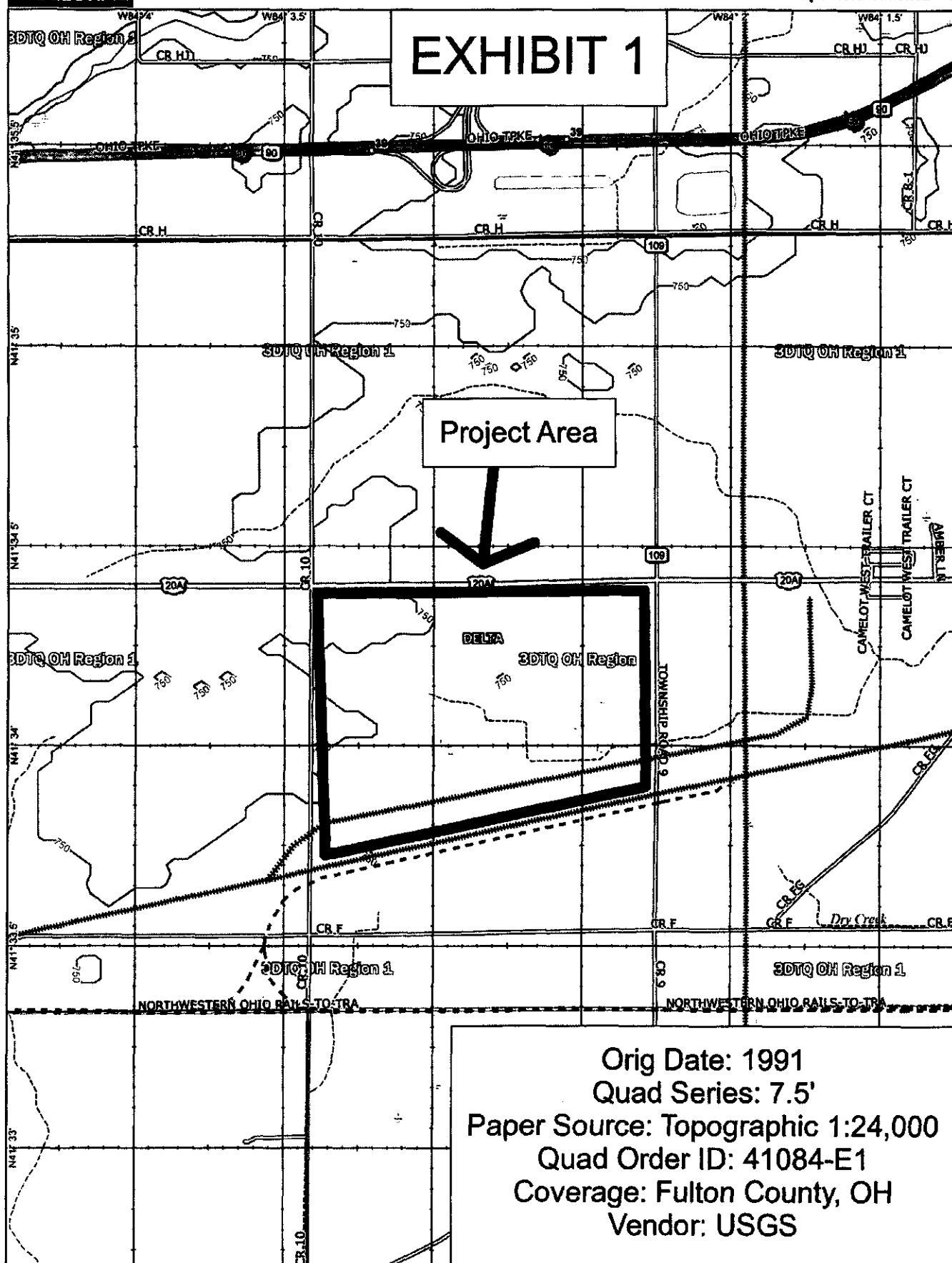
4906-11-01 (E) (2): Areas of Ecological Concern

A visual assessment of the Project area did not identify areas of ecological concern in the immediate vicinity of the Project.

4906-11-01 (E) (3): Additional Information

Construction and operation of the proposed Project will be in accordance with the requirements specified in the latest revision of the NESC as adopted by the PUCO and will meet all applicable safety standards established by OSHA.

EXHIBIT 1

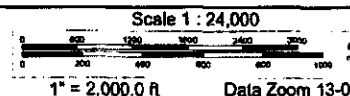


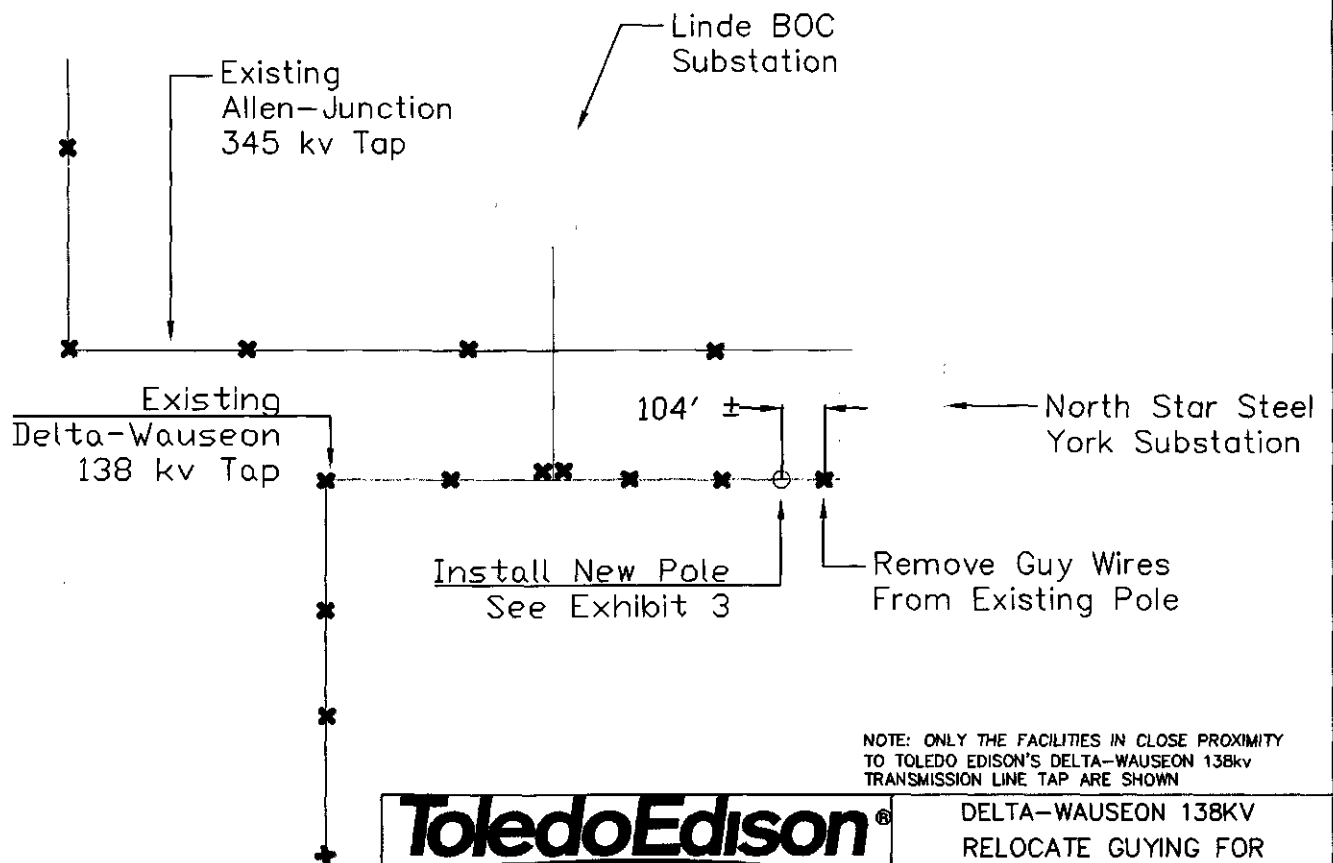
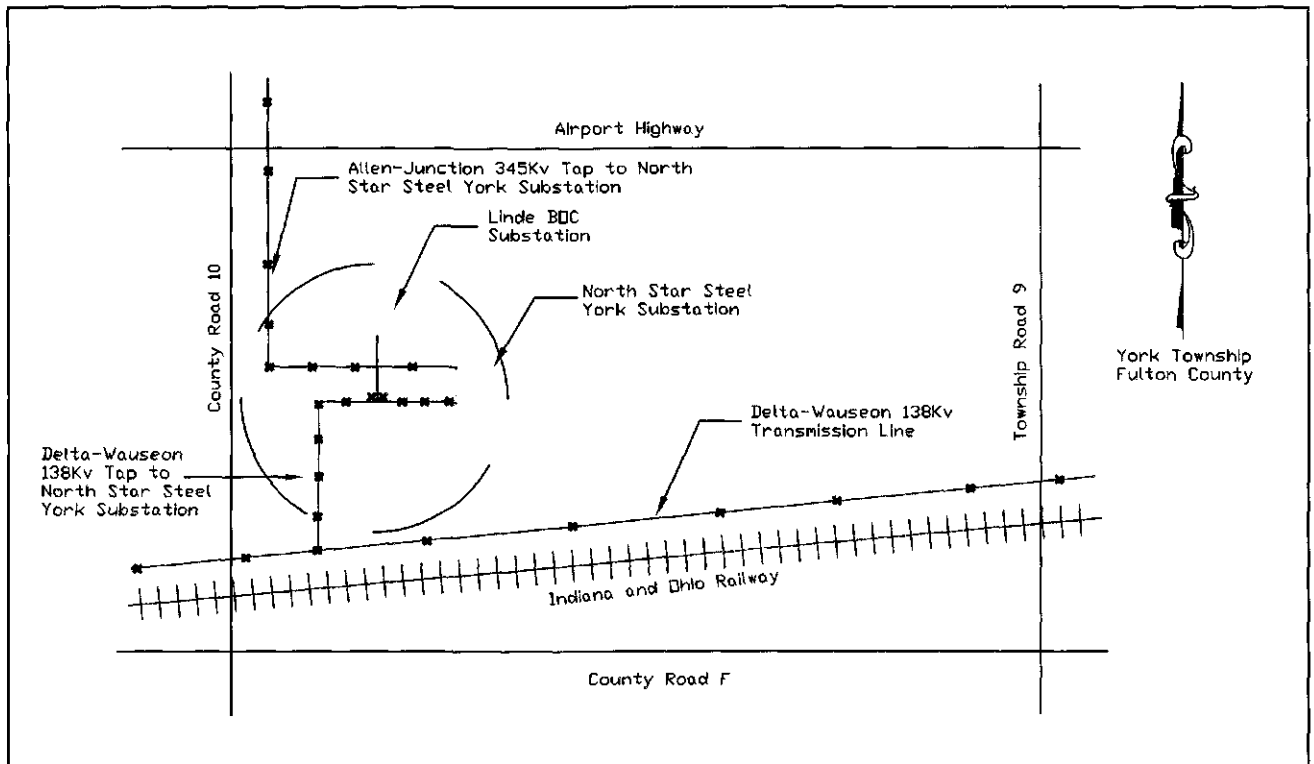
Orig Date: 1991
 Quad Series: 7.5'
 Paper Source: Topographic 1:24,000
 Quad Order ID: 41084-E1
 Coverage: Fulton County, OH
 Vendor: USGS

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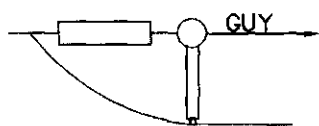
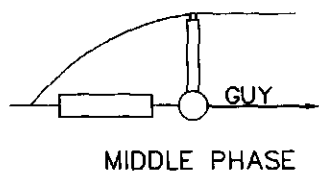




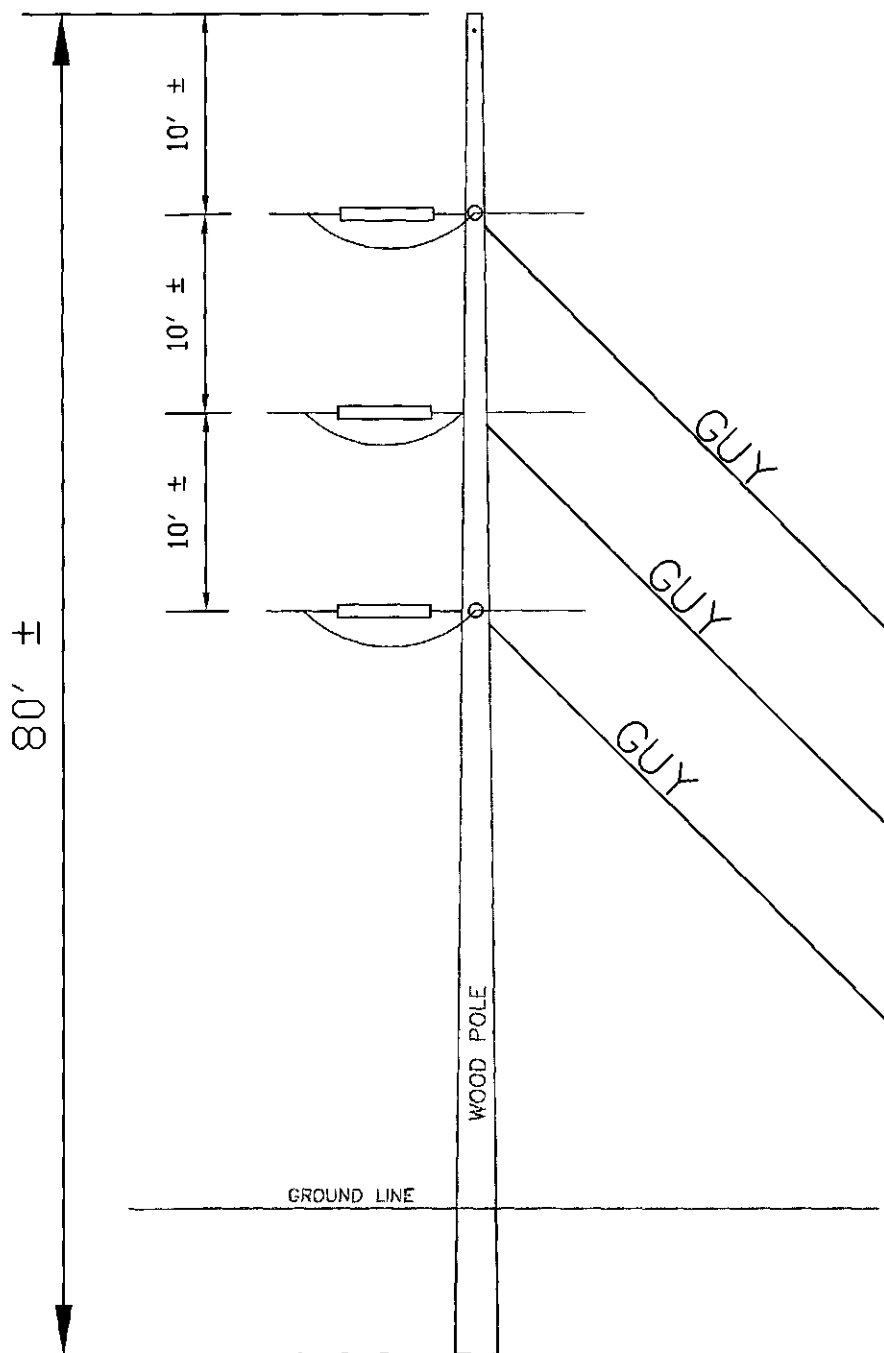
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DELTA-WAUSEON 138KV
RELOCATE GUYING FOR
NORTH STAR STEEL YORK

GENERAL
LAYOUT
EXHIBIT 2



SECTION A-A



DELTA-WAUSEON EX. 3

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DELTA-WAUSEON 138KV
RELOCATE GUYING FOR
NORTH STAR STEEL YORK

DEAD END
STRUCTURE
EXHIBIT 3

EXHIBIT 4



Ohio Department of Natural Resources

JOHN R. KASICH, GOVERNOR

JAMES ZEHRINGER, DIRECTOR

Ohio Division of Wildlife
Scott Zody, Chief
2045 Morse Rd., Bldg. G
Columbus, OH 43229-6693
Phone: (614) 265-6300

February 2, 2012

Travis Turner
First Energy Service Co.
5001 NASA Blvd.
Fairmont, WV 26554

Dear Mr. Turner:

After reviewing the Biodiversity Database, I find the Division of Wildlife has no records of rare or endangered species in the Delta-Wauseon 138 kV Transmission Line Tap to Linde BOC project area, including a one mile radius, at 6767 County Road 9 in York Township, Fulton County, Ohio, and on the Delta Quad. We are unaware of any unique ecological sites, geologic features, animal assemblages, scenic rivers, state wildlife areas, nature preserves, parks or forests, national wildlife refuges, parks or forests or other protected natural areas within a one mile radius of the project area.

Our inventory program has not completely surveyed Ohio and relies on information supplied by many individuals and organizations. Therefore, a lack of records for any particular area is not a statement that rare species or unique features are absent from that area. Although we inventory all types of plant communities, we only maintain records on the highest quality areas.

Please contact me at 614-265-6818 if I can be of further assistance.

Sincerely,

A handwritten signature in cursive script, reading "Debbie Woischke".

Debbie Woischke, Ecological Analyst
Ohio Biodiversity Database Program