

April 26, 2012

FILE
NC

Ms. Betty McCauley
Director, Administration Department
Secretary to the Commission
Docketing Division
The Public Utilities Commission of Ohio
180 East Broad Street
Columbus, OH 43215-3793

Letter of Notification
Delta-Wauseon 138 kV Transmission Line Tap To
Linde BOC
Case No. 12-1430 -EL-BLN

RECEIVED-DOCKETING DIV
2012 APR 30 PM 4:02
PUCO

Dear Ms. McCauley:

In accordance with Rule 4906-11-01 of the Ohio Administrative Code, Toledo Edison, transmit one (1) original and eleven (11) copies of the enclosed Letter of Notification for the above captioned project. In this project, Toledo Edison is proposing to install an approximately 200 foot long radial transmission line tap from the existing Delta-Wauseon 138 kV Transmission Line Tap to North Star Steel, to a new customer-owned substation. As a part of installing the transmission line tap, three (3) new structures will be installed in the existing Delta-Wauseon 138 kV Transmission Line Tap to North Star Steel to accommodate the new tap to the new customer substation. One structure will be a two-pole transmission line tap structure, one structure will be a single pole switch structure and one structure will be a single pole tangent dead end structure that will replace an existing pole in the existing transmission line tap. The Project area is located near the intersection of Airport Road and County Road 10, in York Township, Fulton County, Ohio.

Please be advised of the following:

- a) Name and address of the applicant: Toledo Edison
444 Kuhlman Drive
Toledo, Ohio 43609-2629
- b) Name of proposed facilities: Delta-Wauseon 138 kV Transmission Line Tap To
Linde BOC

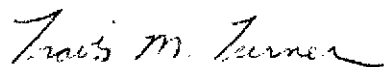
This is to certify that the images appearing are an accurate and complete reproduction of a case file document delivered in the regular course of business.
Technician MS Date Processed 4/30/12

- c) Location of proposed facilities: The Project area is located near the intersection of Airport Road and County Road 10, in York Township, Fulton County, Ohio.
- d) Description of proposed facilities: The Project involves installing an approximately 200 foot long, radial transmission line tap from Toledo Edison's existing Delta-Wauseon 138 kV Transmission Line Tap to North Star Steel, to a new customer owned substation. As a part of installing the transmission line tap, three (3) new structures will be installed in the existing Delta-Wauseon 138 kV Transmission Line Tap to North Star Steel to accommodate the new tap to the new customer substation. One structure will be a two-pole transmission line tap structure, one structure will be a single pole switch structure and one structure will be a single pole tangent dead end structure that will replace an existing pole in the existing transmission line tap.
- e) Applicant's representative: Travis M. Turner, Engineer
Energy Delivery Transmission Engineering
FirstEnergy Service Company
5001 NASA Blvd.
Fairmont, WV 26554

After docketing this filing, please return one time-stamped copy of the Letter of Notification for our records to us in the enclosed envelope. We have provided a copy of the Letter of Notification by certified mail, with return receipt requested, to each official of the political subdivisions immediately affected by the proposed project as listed in the attached Exhibit 1. Copies of the transmittal letters addressed to the local government representatives of York Township, and Fulton County are enclosed for your file.

Should the Ohio Power Siting Board desire further information or discussion of this submittal, please contact me at (304) 534-7456.

Sincerely,



Travis M. Turner
Engineer
Energy Delivery Transmission and
Substation Design
FirstEnergy Service Company

Attachments

**EXHIBIT 1: OFFICIALS SERVED COPY OF LON
Delta-Wauseon 138 kV Transmission Line Tap To
Linde BOC
Case No. 12- -EL-BLN**

Fulton County

The Honorable Paul Barnaby
Fulton County Commissioner
Commission President
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. Frank T. Onweller, P.E., P.S.
Fulton County Engineer
9120 County Road 14
Wauseon, OH 43567-9669

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

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 43567

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

Toledo Edison Company
Delta-Wauseon 138 kV Transmission
Line Tap to Linde BOC

April 26, 2012

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

Letter of Notification
Delta-Wauseon 138 kV Transmission Line Tap To
Linde BOC
Case No. 12- -EL-BLN

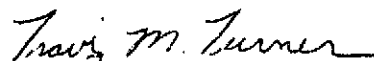
Dear Mr. Barnaby,

In the above captioned project, Toledo Edison, a subsidiary of FirstEnergy Corp., is proposing to install one approximately 200 foot long radial transmission line tap from the existing Delta-Wauseon 138 kV Transmission Line Tap to North Star Steel, to a new customer-owned substation. As a part of installing the transmission line tap, three (3) new structures will be installed in the existing Delta-Wauseon 138 kV Transmission Line Tap to North Star Steel to accommodate the new tap to the new customer substation. The Project area is located near the intersection of Airport Highway and County Road 10 in York Township, Fulton County, Ohio.

In accordance with the provisions of Ohio Administrative Code ("OAC") Rule 4906-1-01, this project falls within the Ohio Power Siting Board's requirements for a Letter of Notification ("LON"). Therefore, in compliance with OAC 4906-11-01 of the OPSB's Rules and Regulations, we have prepared and filed the attached LON with the OPSB for their review and approval. The LON contains a description of the project, and is provided for your information.

I will be glad to answer your questions concerning this matter. You may contact me at (304) 534-7456.

Sincerely,



Travis M. Turner
Engineer
Energy Delivery Transmission and
Substation Design
FirstEnergy Service Company

Attachment

April 26, 2012

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

Letter of Notification
Delta-Wauseon 138 kV Transmission Line Tap To
Linde BOC
Case No. 12- -EL-BLN

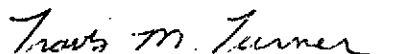
Dear Mr. Genter,

In the above captioned project, Toledo Edison, a subsidiary of FirstEnergy Corp., is proposing to install one approximately 200 foot long radial transmission line tap from the existing Delta-Wauseon 138 kV Transmission Line Tap to North Star Steel, to a new customer-owned substation. As a part of installing the transmission line tap, three (3) new structures will be installed in the existing Delta-Wauseon 138 kV Transmission Line Tap to North Star Steel to accommodate the new tap to the new customer substation. The Project area is located near the intersection of Airport Highway and County Road 10 in York Township, Fulton County, Ohio.

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I will be glad to answer your questions concerning this matter. You may contact me at (304) 534-7456.

Sincerely,



Travis M. Turner
Engineer
Energy Delivery Transmission and
Substation Design
FirstEnergy Service Company

Attachment

April 26, 2012

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

Letter of Notification
Delta-Wauseon 138 kV Transmission Line Tap To
Linde BOC
Case No. 12- -EL-BLN

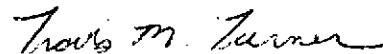
Dear Mr. Rupp,

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Sincerely,



Travis M. Turner
Engineer
Energy Delivery Transmission Engineering
FirstEnergy Service Company

Attachment

April 26, 2012

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

Letter of Notification
Delta-Wauseon 138 kV Transmission Line Tap To
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Case No. 12- -EL-BLN

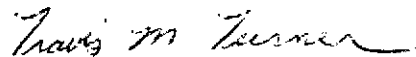
Dear Mr. Brown,

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Sincerely,



Travis M. Turner
Engineer
Energy Delivery Transmission and
Substation Design
FirstEnergy Service Company

Attachment

April 26, 2012

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

Letter of Notification
Delta-Wauseon 138 kV Transmission Line Tap To
Linde BOC
Case No. 12- -EL-BLN

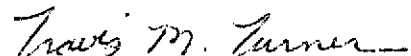
Dear Mr. Onweller,

In the above captioned project, Toledo Edison, a subsidiary of FirstEnergy Corp., is proposing to install one approximately 200 foot long radial transmission line tap from the existing Delta-Wauseon 138 kV Transmission Line Tap to North Star Steel, to a new customer-owned substation. As a part of installing the transmission line tap, three (3) new structures will be installed in the existing Delta-Wauseon 138 kV Transmission Line Tap to North Star Steel to accommodate the new tap to the new customer substation. The Project area is located near the intersection of Airport Highway and County Road 10 in York Township, Fulton County, Ohio.

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Travis M. Turner
Engineer
Energy Delivery Transmission and
Substation Design
FirstEnergy Service Company

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April 26, 2012

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

Letter of Notification
Delta-Wauseon 138 kV Transmission Line Tap To
Linde BOC
Case No. 12- -EL-BLN

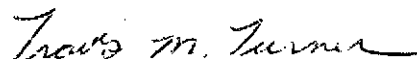
Dear Mr. Hall,

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Sincerely,



Travis M. Turner
Engineer
Energy Delivery Transmission and
Substation Design
FirstEnergy Service Company

Attachment

April 26, 2012

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

Letter of Notification
Delta-Wauseon 138 kV Transmission Line Tap To
Linde BOC
Case No. 12- -EL-BLN

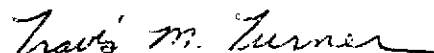
Dear Mr. Trowbridge,

In the above captioned project, Toledo Edison, a subsidiary of FirstEnergy Corp., is proposing to install one approximately 200 foot long radial transmission line tap from the existing Delta-Wauseon 138 kV Transmission Line Tap to North Star Steel, to a new customer-owned substation. As a part of installing the transmission line tap, three (3) new structures will be installed in the existing Delta-Wauseon 138 kV Transmission Line Tap to North Star Steel to accommodate the new tap to the new customer substation. The Project area is located near the intersection of Airport Highway and County Road 10 in York Township, Fulton County, Ohio.

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Sincerely,



Travis M. Turner
Engineer
Energy Delivery Transmission and
Substation Design
FirstEnergy Service Company

Attachment

April 26, 2012

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

Letter of Notification
Delta-Wauseon 138 kV Transmission Line Tap To
Linde BOC
Case No. 12- -EL-BLN

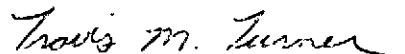
Dear Mr. Wyse,

In the above captioned project, Toledo Edison, a subsidiary of FirstEnergy Corp., is proposing to install one approximately 200 foot long radial transmission line tap from the existing Delta-Wauseon 138 kV Transmission Line Tap to North Star Steel, to a new customer-owned substation. As a part of installing the transmission line tap, three (3) new structures will be installed in the existing Delta-Wauseon 138 kV Transmission Line Tap to North Star Steel to accommodate the new tap to the new customer substation. The Project area is located near the intersection of Airport Highway and County Road 10 in York Township, Fulton County, Ohio.

In accordance with the provisions of Ohio Administrative Code ("OAC") Rule 4906-1-01, this project falls within the Ohio Power Siting Board's requirements for a Letter of Notification ("LON"). Therefore, in compliance with OAC 4906-11-01 of the OPSB's Rules and Regulations, we have prepared and filed the attached LON with the OPSB for their review and approval. The LON contains a description of the project, and is provided for your information.

I will be glad to answer your questions concerning this matter. You may contact me at (304) 534-7456.

Sincerely,



Travis M. Turner
Engineer
Energy Delivery Transmission and
Substation Design
FirstEnergy Service Company

Attachment

April 26, 2012

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

Letter of Notification
Delta-Wauseon 138 kV Transmission Line Tap To
Linde BOC
Case No. 12- -EL-BLN

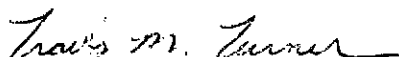
Dear Mr. Tedrow,

In the above captioned project, Toledo Edison, a subsidiary of FirstEnergy Corp., is proposing to install one approximately 200 foot long radial transmission line tap from the existing Delta-Wauseon 138 kV Transmission Line Tap to North Star Steel, to a new customer-owned substation. As a part of installing the transmission line tap, three (3) new structures will be installed in the existing Delta-Wauseon 138 kV Transmission Line Tap to North Star Steel to accommodate the new tap to the new customer substation. The Project area is located near the intersection of Airport Highway and County Road 10 in York Township, Fulton County, Ohio.

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Sincerely,



Travis M. Turner
Engineer
Energy Delivery Transmission and
Substation Design
FirstEnergy Service Company

Attachment

April 26, 2012

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

Letter of Notification
Delta-Wauseon 138 kV Transmission Line Tap To
Linde BOC
Case No. 12- -EL-BLN

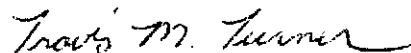
Dear Ms. Miller,

In the above captioned project, Toledo Edison, a subsidiary of FirstEnergy Corp., is proposing to install one approximately 200 foot long radial transmission line tap from the existing Delta-Wauseon 138 kV Transmission Line Tap to North Star Steel, to a new customer-owned substation. As a part of installing the transmission line tap, three (3) new structures will be installed in the existing Delta-Wauseon 138 kV Transmission Line Tap to North Star Steel to accommodate the new tap to the new customer substation. The Project area is located near the intersection of Airport Highway and County Road 10 in York Township, Fulton County, Ohio.

In accordance with the provisions of Ohio Administrative Code ("OAC") Rule 4906-1-01, this project falls within the Ohio Power Siting Board's requirements for a Letter of Notification ("LON"). Therefore, in compliance with OAC 4906-11-01 of the OPSB's Rules and Regulations, we have prepared and filed the attached LON with the OPSB for their review and approval. The LON contains a description of the project, and is provided for your information.

I will be glad to answer your questions concerning this matter. You may contact me at (304) 534-7456.

Sincerely,



Travis M. Turner
Engineer
Energy Delivery Transmission and
Substation Design
FirstEnergy Service Company

Attachment

**TOLEDO EDISON, INCORPORATED
SUBSIDIARY OF FIRSTENERGY CORP.**

LETTER OF NOTIFICATION

**DELTA-WAUSEON 138 kV TRANSMISSION LINE
TAP TO LINDE BOC SUBSTATION**

OPSB CASE NO.: 12- 1430 -EL-BLN

April 26, 2012

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

**LETTER OF NOTIFICATION
DELTA-WAUSEON 138 kV TRANSMISSION LINE
TAP TO LINDE BOC SUBSTATION**

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 Line Tap to Linde
BOC Substation Project ("Project")

2011 LTFR Reference: This Project is not identified in FirstEnergy Corp.'s 2011
Electric Long-Term Forecast Report ("LTFR") submitted
to the Public Utility Commission of Ohio in Case Number
11-1435-EL-FOR.

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

In this Project, Toledo Edison, a subsidiary of FirstEnergy Corp., is proposing to install an approximately 200 foot long radial transmission line tap from the existing Delta-Wauseon 138 kV Transmission Line Tap to North Star Steel, to a new customer-owned substation at Linde BOC.

The Project area is located near the intersection of Airport Road and County Road 10, in York Township, Fulton County, Ohio. The general location of the Project is shown in Exhibit 1, which is a partial copy of the United States Geologic Survey, Fulton County Ohio Quad Map, ID number 41084-E1. Exhibit 2 shows the general layout of the proposed Project.

The transmission line tap will extend from the existing Delta-Wauseon 138 kV Transmission Line Tap to North Star Steel. The new transmission line tap will trend north to the new customer substation, which is being installed approximately 2,650 feet southeast of the intersection of Airport Highway and County Road 10. As a part of installing the transmission line tap, three (3) new structures will be installed in the existing Delta-Wauseon 138 kV Transmission Line Tap to North Star Steel to accommodate the new tap to the new customer substation. One structure will be a two-pole transmission line tap structure, one structure will be a single pole switch structure and one structure will be a single pole tangent dead end structure that will replace an existing pole in the existing transmission line tap.

Toledo Edison owns the existing Delta-Wauseon 138 kV Transmission Line Tap to North Star Steel's 138 kV York Substation and will own the new tap structure, switch structure and tangent dead end structure, as well as the transmission line tap to the new-customer owned Linde BOC Substation. Linde BOC LLC will own the substation.

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

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

- (1) Rerouting or extension or new construction of single or multiple circuit electric power transmission line(s) as follows:*
 - (d) Line(s) one hundred twenty-five kV and above, but less than three hundred kV, and not greater than 0.2 miles in length.*

(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 an approximately 200 foot long single-circuit 138 kV transmission line tap, with a two (2) pole tap structure in the existing transmission line tap, one (1) new pole in the existing transmission line tap to support electrical switches, and one (1) single pole tangent dead end structure that will replace an existing pole in the existing transmission line tap.

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

The proposed Project is essential for serving an existing customer. Linde BOC is an industrial customer that is currently served by the 34.5 kV distribution system within the North Star Steel customer owned substation, under a special agreement. Linde BOC is doubling its electric load from 11 MVA to 22.5 MVA, which North Star Steel Substation can not accommodate. Toledo Edison will tap the existing Delta-Wauseon 138 kV Transmission Line Tap to North Star Steel York to provide service to the new Linde BOC customer owned Substation.

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. 2011 Long-Term Forecast Report submitted to the PUCO in case no. 11-1435-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 ½ inches (11 by 17 inch printed version) from the left edge of the map box and 7 ½ inches (11 by 17 inch printed version) from the bottom 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 September 1, 2012 and is expected to be completed and placed in-service by October 7, 2012.

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 1,400 feet east of County Road 10.

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

The following is the property information for which an easement will be 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 new transmission line tap will be designed and constructed for 138 kV operation. The transmission line tap has the following characteristics:

Voltage:	138 kV
Conductor:	477 kcmil 26/7 ACSR
Static Wire:	None
Insulators:	138 kV Polymer Suspension and Polymer Horizontal Post
Structure types:	Exhibit No. 3 – Tap Structure Exhibit No. 4 – Switch Structure Exhibit No. 5 – Tangent 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 and the 100 foot right-of-way of the Allen Junction-Midway 345 kV Transmission Line Tap to North Star Steel Sydney. New right-of-way will be required for the Delta-Wauseon 138 kV Transmission Line Tap to Linde BOC Substation.

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

The following table itemizes the line loading of the transmission line tap being installed in the proposed Project. The proposed Project normal line loading of 481.14 amps and emergency line loading of 481.14 amps is based on the normal load to be served to the customer owned 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 Linde BOC Substation	481.14	481.14	950

The following calculations provide an approximation of the magnetic and electric fields strengths of the new 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	0.97	64.00
	At Right-of-Way Edges	0.32	31.61
Emergency Loading	Under Lowest Conductors	0.97	64.00
	At Right-of-Way Edges	0.32	31.61
Winter Rating	Under Lowest Conductors	0.97	126.38
	At Right-of-Way Edges	0.32	62.41

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
350 Land Rights, Engineering, Ect.	\$ 28,000
355 Poles and Fixtures	\$ 68,000
356 Overhead Conductors & Devices	\$ 65,000
<u>Removal</u>	<u>\$ 0</u>
Total	\$ 161,000

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

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

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 within the Project area. The ODNR's response of February 2, 2012, attached as Exhibit 6, 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

Project Area

DELTA

3DTQ OH Region

Orig Date: 1991

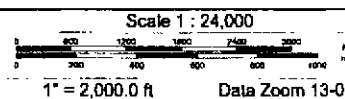
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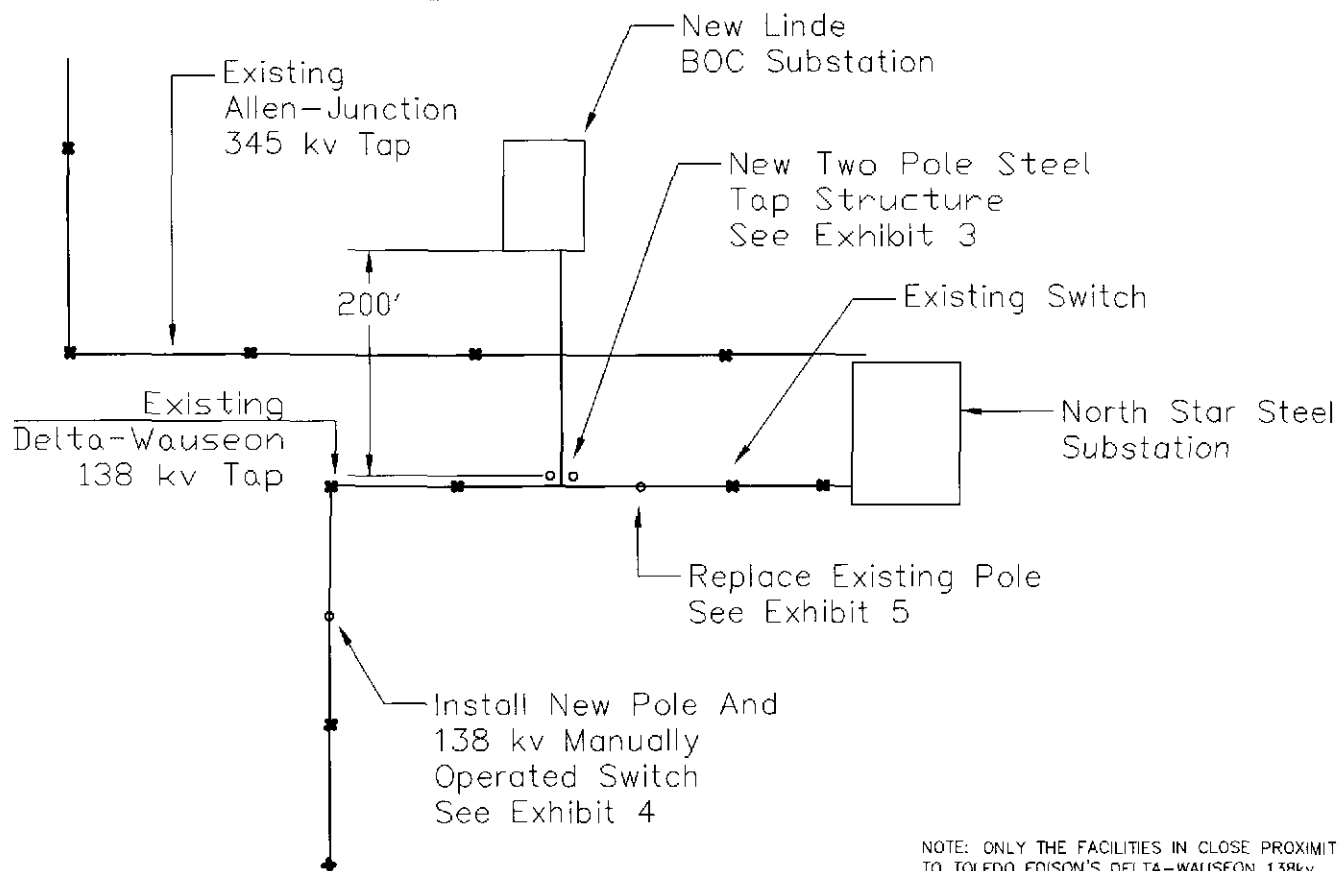
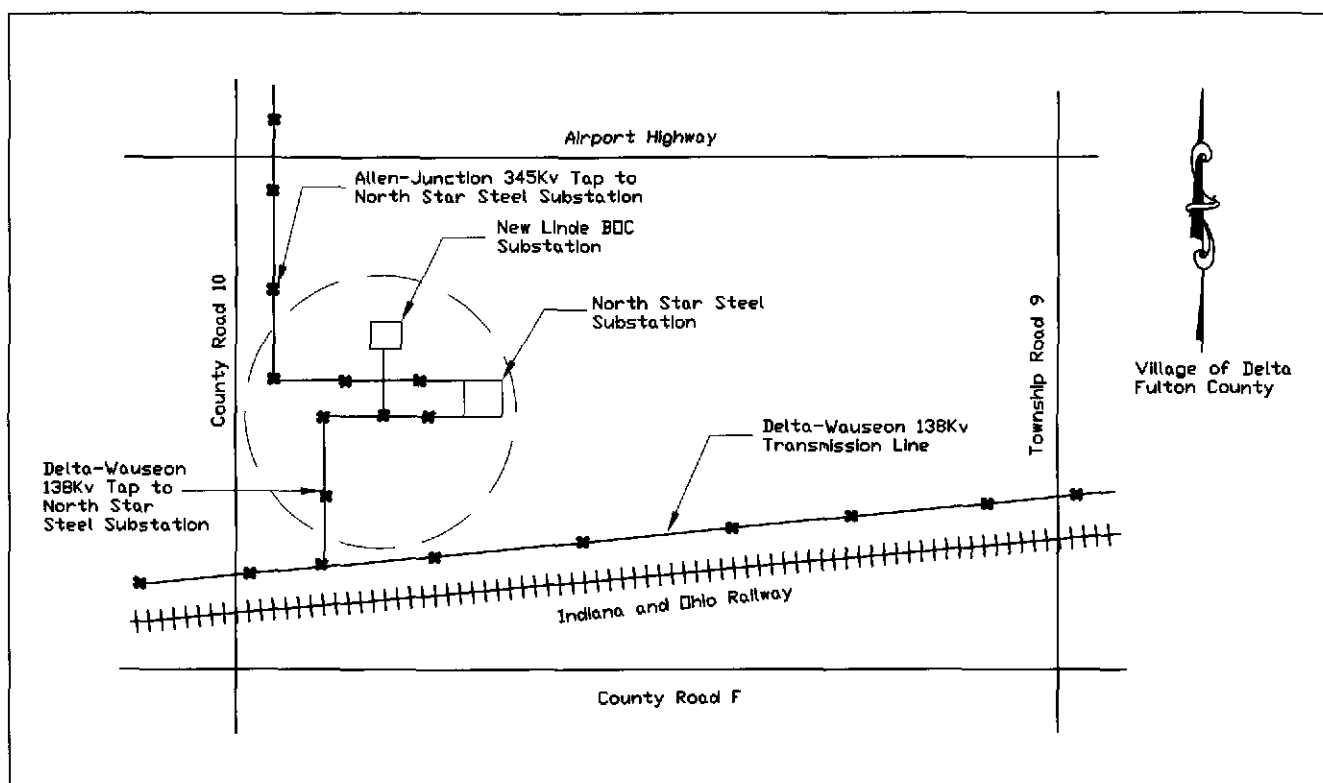
Paper Source: Topographic 1:24,000

Quad Order ID: 41084-E1

Coverage: Fulton County, OH

Vendor: USGS





NOTE: ONLY THE FACILITIES IN CLOSE PROXIMITY TO TOLEDO EDISON'S DELTA-WAUSEON 138kv TRANSMISSION LINE TAP ARE SHOWN

SKETCHES DELTA-WAUSEON-EX2

ISSUE DATE:

- ☐ CONSTRUCTION
☐ AS BUILT
☐ RECORD

DR. <i>JMG</i>	4/12	C.E.
CHK.		ORDER NO.
INS.		WBS R/W
APP		SCALE N.T.S.

DELTA-WAUSEON 138KV TAP TO NEW LINDE BOC SUBSTATION GENERAL ARRANGEMENT

FirstEnergy
Transmission Design

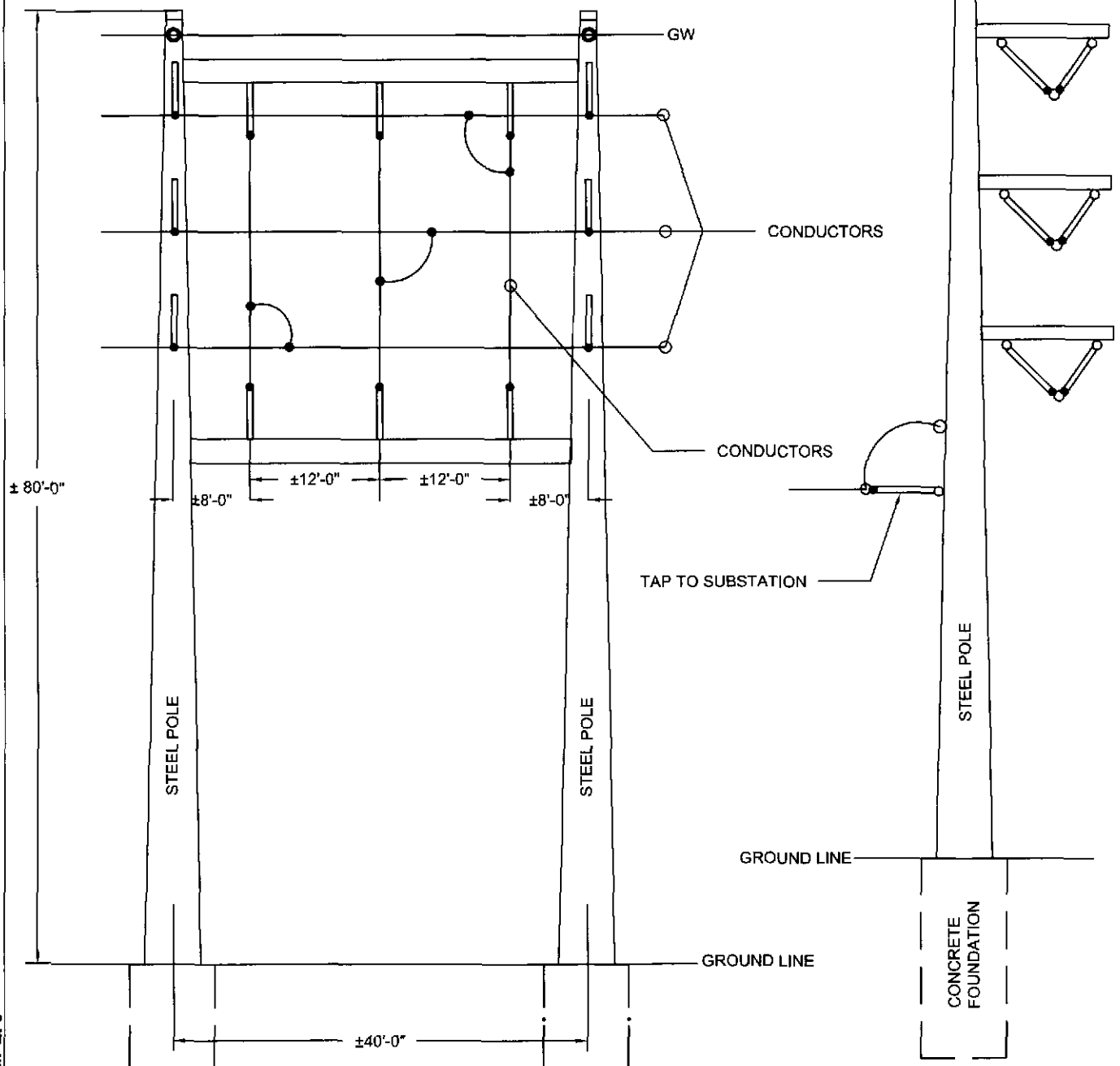
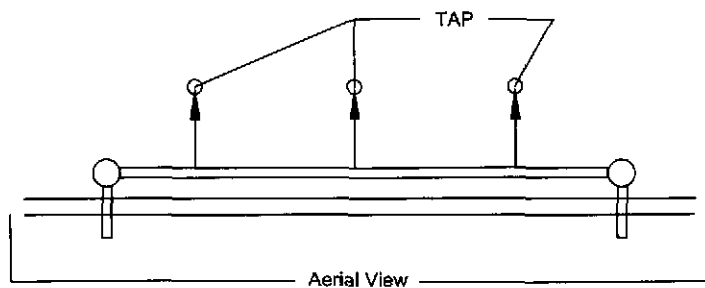
OPERATING CO.
TOLEDO EDISON

DWG NO.

EXHIBIT 2

SHEET

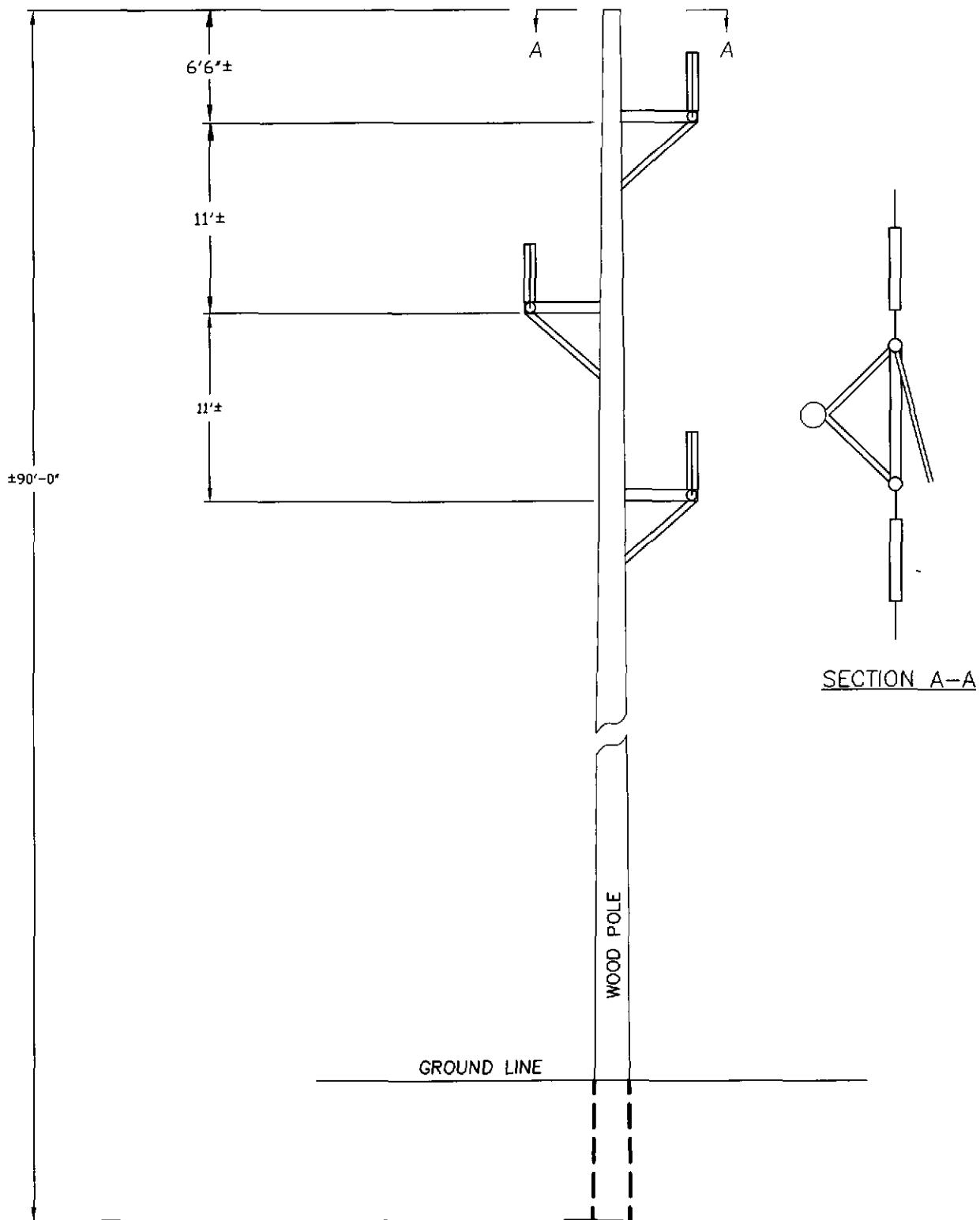
REV.



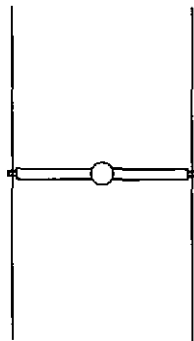
DELTA-WAUSEON-EX 3

ISSUE DATE: <input type="checkbox"/> CONSTRUCTION <input type="checkbox"/> AS BUILT <input type="checkbox"/> RECORD	DR. <i>JWT</i>	4/12	C.E.	DELTA-WAUSEON 138kV TAP TO NEW LINDE BOC SUBSTATION TAP STRUCTURE			
	CHK.		ORDER NO.				
	INS.		WBS	FirstEnergy Transmission Design			
	APP.		R/W WBS				
			SCALE N.T.S.	OPERATING CO. TOLEDO EDISON	DWG NO. EXHIBIT 3	SHEET	REV.

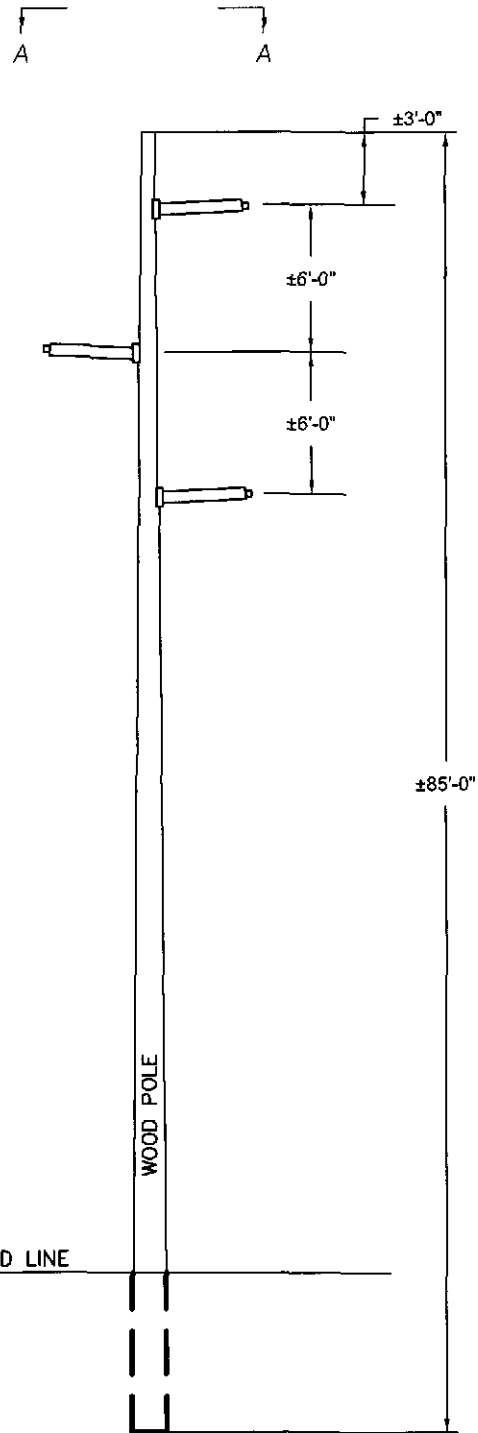
SKETCHES\DELTA-WAUSEON-EX4



ISSUE DATE: <input type="checkbox"/> CONSTRUCTION <input type="checkbox"/> AS BUILT <input type="checkbox"/> RECORD	DR. <i>TMT</i>	4/12	C.E.	DELTA-WAUSEON 138KV TAP TO NEW LINDE BOC SUBSTATION SWITCH STRUCTURE					
	CHK.		ORDER NO.						
	INS.		WBS		FirstEnergy Transmission Design	OPERATING CO. TOLEDO EDISON	DWG NO. EXHIBIT 4	SHEET	REV.
	APP.		R/W						
			SCALE N.T.S.						



SECTION A-A



DELTA-WAUSEON-138

ISSUE DATE: <input type="checkbox"/> CONSTRUCTION <input type="checkbox"/> AS BUILT <input type="checkbox"/> RECORD	DR. <i>JMT</i>	4/12	C.E.	DELTA-WAUSEON 138kV TAP TO NEW LINDE BOC SUBSTATION TANGENT STRUCTURE					
	CHK.		ORDER NO.						
	INS.		WBS		FirstEnergy Transmission Design	OPERATING CO. TOLEDO EDISON	DWG NO. EXHIBIT 5	SHEET	REV.
	APP.		R/W WBS						
			SCALE N.T.S.						

EXHIBIT 6



Ohio Department of Natural Resources

ROBERT BASTY - 614-265-6300

JACQUES ZATKOWSKI - 614-265-6300

Ohio Division of Wildlife
Scott Zandy, Chief
2045 Morse Rd., Bldg. G
Columbus, OH 43229-6608
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 BQC project area, including a one mile radius, at 8787 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