

July 18, 2011

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

**Construction Notice**  
**Star Substation Expansion**  
**Case No. 11- -EL-BNR**

4376

RECEIVED-DOCKETING DIV  
2011 JUL 19 AM 9:52  
PUCO

Dear Ms. Jenkins:

In accordance with Rule 4906-01-11 American Transmission Systems, Incorporated ("ATSI"), a subsidiary of FirstEnergy Corp., transmits one (1) original and eleven (11) copies of the enclosed Construction Notice. In this project, ATSI is proposing to expand a portion of the Star Substation fence to incorporate a new capacitor bank. The proposed Project is located at 9681 Silver Creek Road in Wadsworth Township, Medina County, Ohio.

Please be advised of the following:

a) Name and address of the applicant:

American Transmission Systems, Incorporated  
76 South Main Street  
Akron, Ohio 44308

b) Name of proposed facilities:

Star Substation Expansion

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 Am J Date Processed 7/19/11

Ms. Renee J. Jenkins/ Docketing

July 18, 2011

c) Location of proposed facilities:

The proposed Project is located at 9681 Silver Creek Road in Wadsworth Township, Medina County, Ohio.

d) Description of proposed facilities:

ATSI is proposing to expand a portion of the Star Substation fence to incorporate two new capacitor banks.

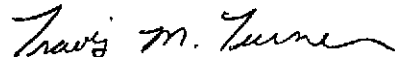
e) Applicant's representative:

Travis M. Turner, Advance  
Transmission Specialist  
Energy Delivery Technical Services  
FirstEnergy Service Company  
5001 NASA Blvd.  
Fairmont, WV 26554

After docketing this filing, please return one time-stamped copy of the Construction Notice for our records to us in the enclosed envelope. We have provided a copy of this Construction Notice by certified mail, with return receipt requested, to officials 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 Wadsworth Township, Medina 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) 423-5151.

Sincerely,



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

Attachments

**AMERICAN TRANSMISSION SYSTEMS, INCORPORATED**

**CONSTRUCTION NOTICE**

**STAR SUBSTATION EXPANSION PROJECT**

**OPSB CASE NO. 11- 4376 -EL-BNR**

**July 18, 2011**

**American Transmission Systems, Incorporated  
76 South Main Street  
Akron, Ohio 44308**

## **CONSTRUCTION NOTICE STAR SUBSTATION EXPANSION PROJECT**

The following information is being provided in accordance with the procedures delineated in Ohio Administrative Code Section 4906-11-02: Construction Notice Requirements of the Rules and Regulations of the Ohio Power Siting Board.

### **4906-11-02 (B): Information Requirements**

#### **4906-11-02 (B) (1): Name of the Project**

Name of Project:                Star Substation Expansion Project

#### **4906-11-02 (B) (2) (a): Brief Description of Project**

In the Star Substation Expansion Project, American Transmission Systems, Incorporated (“ATSI”), a FirstEnergy Corp. subsidiary, is proposing to expand a portion of the existing Star Substation fence to incorporate a new capacitor bank. The proposed Project is located at 9681 Silver Creek Road in Wadsworth Township, Medina County, Ohio.

The general location of the proposed Project is shown in Exhibit 1, which is a partial copy of the United States Geologic Survey, Medina County, Ohio Quad, Map ID 41081-A6. The general layout of the proposed Project is shown in Exhibit 2. The existing Star Substation encompasses an approximately 311,995 square foot area. The West end of the substation will be expanded; approximately 151 ft. x 113 ft. (17,063 sq. ft.). The South end of the substation will be expanded, approximately 94 ft. x 163 ft. (15,322 sq. ft.). The substation will expand a total of 32,371 sq. ft., to accommodate additional substation equipment. A new 150 MVAR capacitor bank will be installed on the West side of the substation and a new 150 MVAR capacitor bank will be installed on the South side of the substation.

**4906-11-02 (B) (2) (b): Construction Notice Requirements**

The proposed Project meets the requirements for a Construction Notice because the project is within the types of project defined by Item (8) and of the Application Requirement Matrix for Electric Power Transmission Lines in Appendix A of 4906-1-01 of the Ohio Administrative Code, which requires the filing of a Construction Notice. This items states:

*(8) Constructing additions to existing electric power transmission substation where:*

*(a) There is a twenty percent or less expansion of the fenced area*

The proposed Project includes expanding part of the western fence line approximately 151 feet. x 113 feet and expanding part of the southern fence line approximately 94 feet x 163 feet. This will expand the footprint of the substation by approximately 32,371 square feet, which is approximately a 10.4 percent of the total fenced area expansion.

**4906-11-02 (B) (3): Need for the Project**

The proposed Project is needed to incorporate two new capacitor banks. The new capacitor banks will be used to stabilize area voltage and increase transfer capability into the Cleveland area under heavy import conditions. The existing fence line does not accommodate the space needed.

**4906-11-02 (B) (4): Construction Schedule**

Construction on the Project is proposed to begin as early as September 1, 2011.

Construction on the Project is expected to be completed by June 1, 2012.

**4906-11-02 (B) (5): Estimated Costs**

The following is the estimated capital cost for the Project:

Estimated Cost	\$ 2,957,300
----------------	--------------

**4906-11-02 (B) (6): Operating Characteristics**

The proposed capacitor banks are two 150 MVAR units that will be connected to existing substation bus.

**4906-11-02 (B) (7): Area Map**

Exhibit No. 1 depicts the general location of the project site. This exhibit provides a partial copy of the United States Geologic Survey, Medina County, Ohio Quad, Map ID 41081-A6. To locate and view the project site from Columbus, Ohio, travel north on I-71 approximately 100 miles and take exit 209A-209B to merge onto I-76 E/US-224 E toward Akron for approximately 9.7 miles. Take the exit 9 for OH-94/Wadsworth toward North Royalton for approximately 0.2 miles. Turn right onto OH-94/High Street and travel approximately 1.4 miles. Turn left onto Broad Street/Greenwich Road and travel approximately 1.3 miles. Turn right onto Silvercreek Road and travel 1 mile. Star Substation will be on the left.

**4906-11-02 (B) (8): Properties List**

The Star Substation is located on Ohio Edison ("Ohio Edison") property and is owned by ATSI. The proposed expansion of the Star Substation will be owned by ATSI. Ohio Edison and ATSI are both subsidiaries of FirstEnergy Corp. and no additional easements will need to be obtained for construction of the project.

**4906-11-02 (C): Documentation of Construction Notice Transmittal**

This Construction Notice is being provided concurrently to the following officials of the Wadsworth Township and Medina County, Ohio. Copies of the transmittal letters to these officials have been included with the transmittal letter submitting this Construction Notice to the Ohio Power Siting Board.

**Wadsworth Township**

Mr. Dennis Kreider  
Wadsworth Township  
Chairman, Board of Trustees  
320 Chestnut Street  
Wadsworth, Ohio 44281

Mr. Thomas Baldwin  
Wadsworth Township  
Board of Trustees  
320 Chestnut Street  
Wadsworth, Ohio 44281

Mr. Jim Gardner  
Wadsworth Township  
Vice Chairman, Board of Trustees  
320 Chestnut Street  
Wadsworth, Ohio 44281

Ms. Susan Ritzman  
Wadsworth Township  
Fiscal Officer  
320 Chestnut Street  
Wadsworth, Ohio 44281

**Medina County**

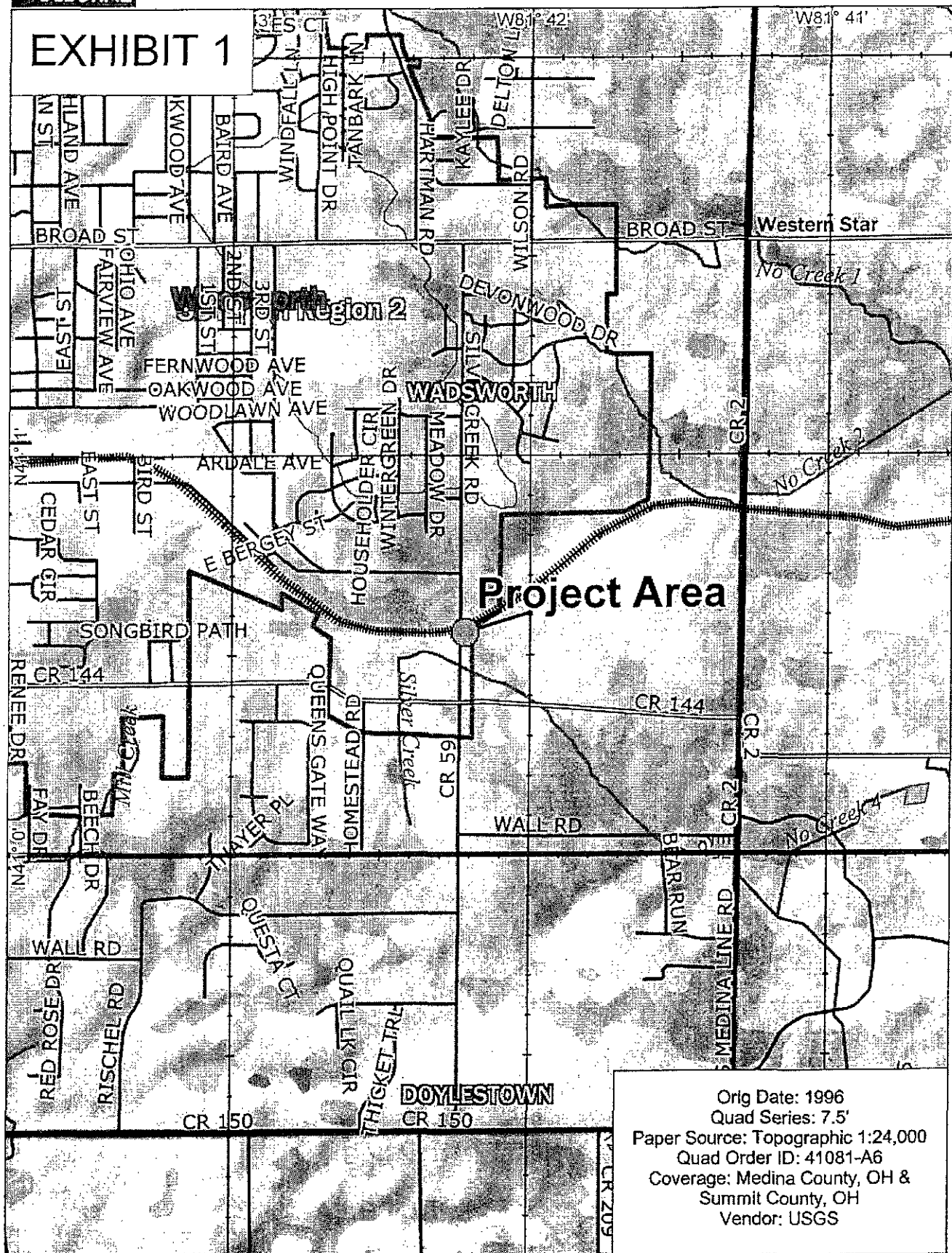
The Honorable Patricia G. Geissman  
Medina County Commissioner,  
President  
144 North Broadway Street  
Room 201  
Medina, Ohio 44256

The Honorable Adam Friedrich  
Medina County Commissioner  
144 North Broadway Street  
Room 201  
Medina, Ohio 44256

The Honorable Stephen D. Hambley  
Medina County Commissioner  
144 North Broadway Street  
Room 201  
Medina, Ohio 44256

Mr. Mike Salay, P.E., P.S.  
Medina County Engineer  
791 West Smith Road  
P.O. Box 825  
Medina, OH 44256

# EXHIBIT 1

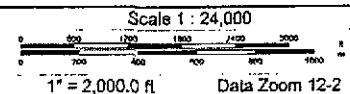


Orig Date: 1996  
 Quad Series: 7.5'  
 Paper Source: Topographic 1:24,000  
 Quad Order ID: 41081-A6  
 Coverage: Medina County, OH &  
 Summit County, OH  
 Vendor: USGS

Data use subject to license.

© DeLorme. Topo North America™ 9.

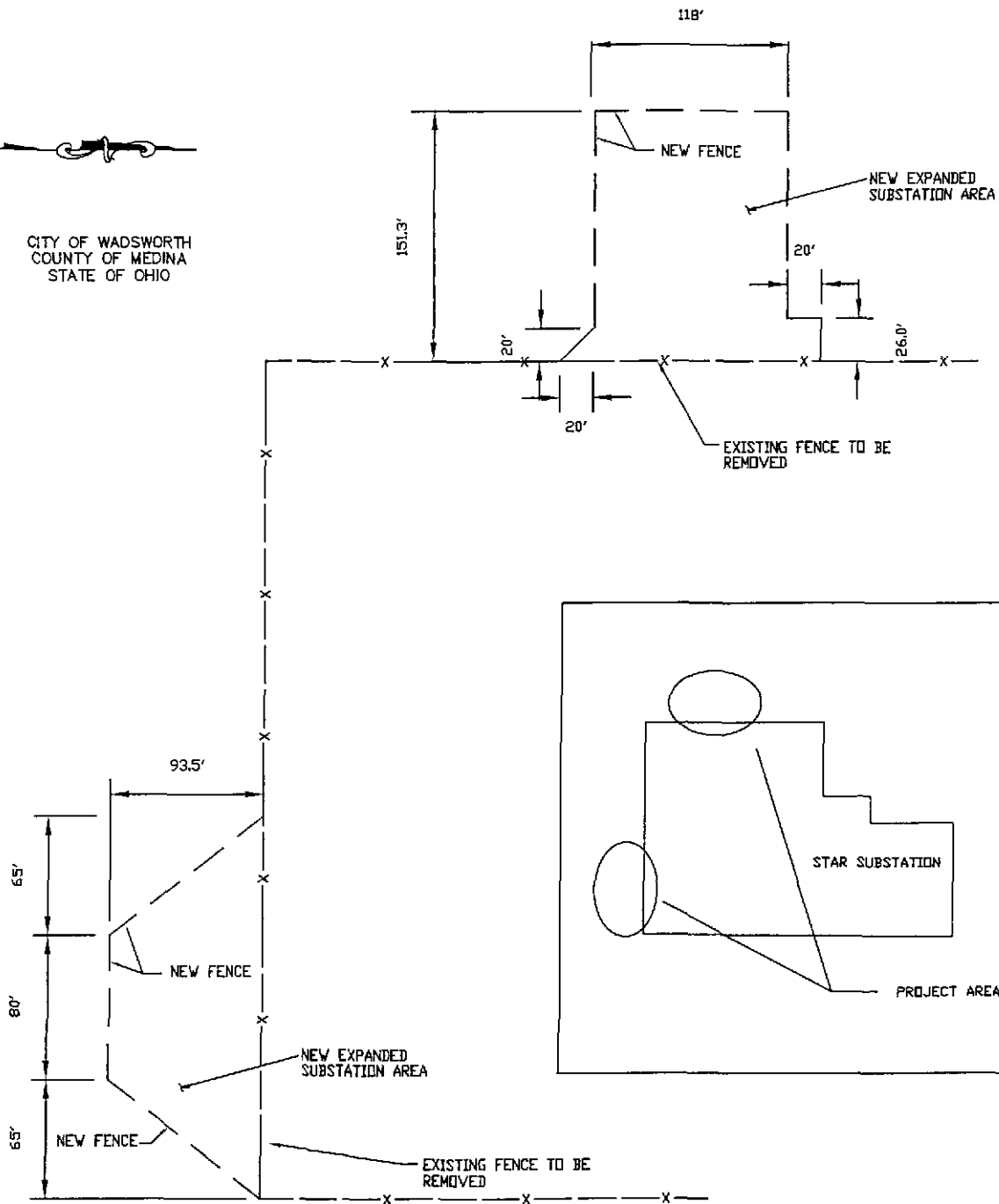
www.delorme.com







CITY OF WADSWORTH  
COUNTY OF MEDINA  
STATE OF OHIO



**LEGEND**

--- SUBSTATION EXPANSION

-x-x- EXISTING FENCE

**ATSI**

American Transmission Systems, Inc.  
a subsidiary of FirstEnergy Corp.

STAR SUBSTATION EXPANSION  
PROJECT

GENERAL LAYOUT

EXHIBIT 2

**EXHIBIT 1**  
**Officials Served Copy of Construction Notice**  
**Star Substation Expansion**  
**Case No. 11- -EL-BNR**

**Wadsworth Township**

Mr. Dennis Kreider  
Wadsworth Township  
Chairman, Board of Trustees  
320 Chestnut Street  
Wadsworth, Ohio 44281

Mr. Thomas Baldwin  
Wadsworth Township  
Board of Trustees  
320 Chestnut Street  
Wadsworth, Ohio 44281

Mr. Jim Gardner  
Wadsworth Township  
Vice Chairman, Board of Trustees  
320 Chestnut Street  
Wadsworth, Ohio 44281

Ms. Susan Ritzman  
Wadsworth Township  
Fiscal Officer  
320 Chestnut Street  
Wadsworth, Ohio 44281

**Medina County**

The Honorable Patricia G. Geissman  
Medina County Commissioner, President  
144 North Broadway Street  
Room 201  
Medina, Ohio 44256

The Honorable Adam Friedrich  
Medina County Commissioner  
144 North Broadway Street  
Room 201  
Medina, Ohio 44256

The Honorable Stephen D. Hambley  
Medina County Commissioner  
144 North Broadway Street  
Room 201  
Medina, Ohio 44256

Mr. Mike Salay, P.E., P.S.  
Medina County Engineer  
791 West Smith Road  
P.O. Box 825  
Medina, OH 44256

July 18, 2011

The Honorable Patricia G. Geissman  
Medina County Commissioner, President  
144 North Broadway Street  
Room 201  
Medina, Ohio 44256

**Construction Notice**  
**Star Substation Expansion**  
**Case No. 11-     -EL-BNR**

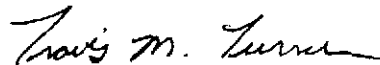
Dear Ms. Geissman,

In the above captioned project, American Transmission Systems, Incorporated ("ATSI"), a subsidiary of FirstEnergy Corp., is proposing to expand a portion of the Star Substation fence to incorporate two new capacitor banks. The proposed Project is located at 9681 Silver Creek Road in Wadsworth Township, Medina 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 Construction Notice ("Notice"). Therefore, in compliance with OAC 4906-11-02 of the OPSB's Rules and Regulations, we have prepared and filed the attached Notice with the OPSB for their review and approval. The Notice contains a description of the Project and is provided for your information.

I'll be glad to answer any question concerning this matter. You can contact me at (304) 423-5151.

Sincerely,



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

Attachment

July 18, 2011

The Honorable Stephen D. Hambley  
Medina County Commissioner  
144 North Broadway Street  
Room 201  
Medina, Ohio 44256

**Construction Notice**  
**Star Substation Expansion**  
**Case No. 11-      -EL-BNR**

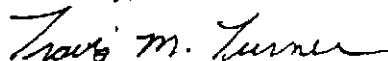
Dear Mr. Hambley,

In the above captioned project, American Transmission Systems, Incorporated ("ATSI"), a subsidiary of FirstEnergy Corp., is proposing to expand a portion of the Star Substation fence to incorporate two new capacitor banks. The proposed Project is located at 9681 Silver Creek Road in Wadsworth Township, Medina 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 Construction Notice ("Notice"). Therefore, in compliance with OAC 4906-11-02 of the OPSB's Rules and Regulations, we have prepared and filed the attached Notice with the OPSB for their review and approval. The Notice contains a description of the Project and is provided for your information.

I'll be glad to answer any question concerning this matter. You can contact me at (304) 423-5151.

Sincerely,



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

Attachment

July 18, 2011

The Honorable Adam Friedrich  
Medina County Commissioner  
144 North Broadway Street  
Room 201  
Medina, Ohio 44256

**Construction Notice**  
**Star Substation Expansion**  
**Case No. 11-       -EL-BNR**

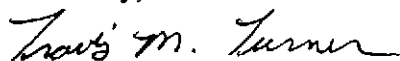
Dear Mr. Friedrich,

In the above captioned project, American Transmission Systems, Incorporated ("ATST"), a subsidiary of FirstEnergy Corp., is proposing to expand a portion of the Star Substation fence to incorporate two new capacitor banks. The proposed Project is located at 9681 Silver Creek Road in Wadsworth Township, Medina 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 Construction Notice ("Notice"). Therefore, in compliance with OAC 4906-11-02 of the OPSB's Rules and Regulations, we have prepared and filed the attached Notice with the OPSB for their review and approval. The Notice contains a description of the Project and is provided for your information.

I'll be glad to answer any question concerning this matter. You can contact me at (304) 423-5151.

Sincerely,



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

Attachment

July 18, 2011

Mr. Dennis Kreider  
Wadsworth Township  
Chairman, Board of Trustees  
320 Chestnut Street  
Wadsworth, Ohio 44281

**Construction Notice**  
**Star Substation Expansion**  
**Case No. 11-      -EL-BNR**

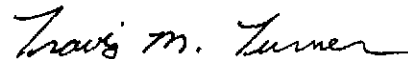
Dear Mr. Kreider,

In the above captioned project, American Transmission Systems, Incorporated ("ATSI"), a subsidiary of FirstEnergy Corp., is proposing to expand a portion of the Star Substation fence to incorporate two new capacitor banks. The proposed Project is located at 9681 Silver Creek Road in Wadsworth Township, Medina 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 Construction Notice ("Notice"). Therefore, in compliance with OAC 4906-11-02 of the OPSB's Rules and Regulations, we have prepared and filed the attached Notice with the OPSB for their review and approval. The Notice contains a description of the Project and is provided for your information.

I'll be glad to answer any question concerning this matter. You can contact me at (304) 423-5151.

Sincerely,



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

Attachment

July 18, 2011

Mr. Jim Gardner  
Wadsworth Township  
Vice Chairman, Board of Trustees  
320 Chestnut Street  
Wadsworth, Ohio 44281

**Construction Notice**  
**Star Substation Expansion**  
**Case No. 11- -EL-BNR**

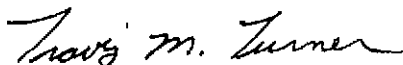
Dear Mr. Gardner,

In the above captioned project, American Transmission Systems, Incorporated ("ATSI"), a subsidiary of FirstEnergy Corp., is proposing to expand a portion of the Star Substation fence to incorporate two new capacitor banks. The proposed Project is located at 9681 Silver Creek Road in Wadsworth Township, Medina 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 Construction Notice ("Notice"). Therefore, in compliance with OAC 4906-11-02 of the OPSB's Rules and Regulations, we have prepared and filed the attached Notice with the OPSB for their review and approval. The Notice contains a description of the Project and is provided for your information.

I'll be glad to answer any question concerning this matter. You can contact me at (304) 423-5151.

Sincerely,



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

Attachment

July 18, 2011

Mr. Thomas Baldwin  
Wadsworth Township  
Board of Trustees  
320 Chestnut Street  
Wadsworth, Ohio 44281

**Construction Notice**  
**Star Substation Expansion**  
**Case No. 11-      -EL-BNR**

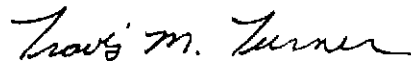
Dear Mr. Baldwin,

In the above captioned project, American Transmission Systems, Incorporated ("ATSI"), a subsidiary of FirstEnergy Corp., is proposing to expand a portion of the Star Substation fence to incorporate two new capacitor banks. The proposed Project is located at 9681 Silver Creek Road in Wadsworth Township, Medina 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 Construction Notice ("Notice"). Therefore, in compliance with OAC 4906-11-02 of the OPSB's Rules and Regulations, we have prepared and filed the attached Notice with the OPSB for their review and approval. The Notice contains a description of the Project and is provided for your information.

I'll be glad to answer any question concerning this matter. You can contact me at (304) 423-5151.

Sincerely,



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

Attachment



July 18, 2011

Ms. Susan Ritzman  
Wadsworth Township  
Fiscal Officer  
320 Chestnut Street  
Wadsworth, Ohio 44281

**Construction Notice**  
**Star Substation Expansion**  
**Case No. 11-       -EL-BNR**

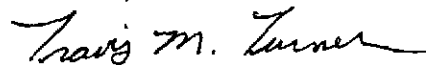
Dear Ms. Ritzman,

In the above captioned project, American Transmission Systems, Incorporated ("ATSI"), a subsidiary of FirstEnergy Corp., is proposing to expand a portion of the Star Substation fence to incorporate two new capacitor banks. The proposed Project is located at 9681 Silver Creek Road in Wadsworth Township, Medina 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 Construction Notice ("Notice"). Therefore, in compliance with OAC 4906-11-02 of the OPSB's Rules and Regulations, we have prepared and filed the attached Notice with the OPSB for their review and approval. The Notice contains a description of the Project and is provided for your information.

I'll be glad to answer any question concerning this matter. You can contact me at (304) 423-5151.

Sincerely,



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

Attachment

July 18, 2011

Mr. Mike Salay, P.E., P.S.  
Medina County Engineer  
791 West Smith Road  
P.O. Box 825  
Medina, Ohio 44256

**Construction Notice**  
**Star Substation Expansion**  
**Case No. 11- -EL-BNR**

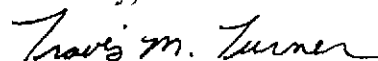
Dear Mr. Salay,

In the above captioned project, American Transmission Systems, Incorporated ("ATSI"), a subsidiary of FirstEnergy Corp., is proposing to expand a portion of the Star Substation fence to incorporate two new capacitor banks. The proposed Project is located at 9681 Silver Creek Road in Wadsworth Township, Medina 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 Construction Notice ("Notice"). Therefore, in compliance with OAC 4906-11-02 of the OPSB's Rules and Regulations, we have prepared and filed the attached Notice with the OPSB for their review and approval. The Notice contains a description of the Project and is provided for your information.

I'll be glad to answer any question concerning this matter. You can contact me at (304) 423-5151.

Sincerely,



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

Attachment