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FirstEnergy

FILE

RECEIVED-DOCKETING DIV

76 South Main St.
Akron, Ohio 44308

2008 APR 17 AM 9:36

1-800-646-0400

PUCO

April 15, 2008

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
Tangy Transmission Substation Expansion
Case No. 08-524-EL-BNR

Dear Ms. Jenkins:

In accordance with Rule 4906-11-01 American Transmission Systems, Inc. ("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 the fence line of the substation to facilitate the installation of additional equipment in the substation. The expanded footprint of the substation will allow the installation of one new 345 /138 kV transformer, two 345 kV circuit breakers, one 138 kV circuit breaker, and one set of air break switches on the low side of the transformer. The Project is located near the intersection of Bunty Station Road and Liberty Road in the Township of Delaware, Delaware 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:

Tangy Transmission Substation Expansion Project.

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 [Signature] Date Processed 4.17.08

c) Location of proposed facilities:

The Project is located near the intersection of Bunty Station Road and Liberty Road in Delaware Township, Delaware County, Ohio.

d) Description of proposed facilities:

In this project, ATSI is proposing to expanded the footprint of the substation which will allow the installation of one new 345 /138 kV transformer, two 345 kV circuit breakers, one 138 kV circuit breaker, and one set of air break switches on the low side of the transformer.

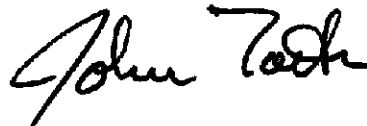
e) Applicant's representative:

John Toth, Associate Transmission Engineer
Energy Delivery Technical Services
FirstEnergy Service Company
76 South Main Street
Akron, OH 44308-1890

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 Delaware Township and Delaware County are enclosed for your file.

Should the Ohio Power Siting Board desire further information or discussion of this submittal, please contact me at (330) 384-4564.

Sincerely,



John Toth, Associate Transmission Engineer
Energy Delivery Technical Services
FirstEnergy Service Company

Attachments

EXHIBIT 1
Officials Served Copy of Construction Notice
Tangy Transmission Substation Expansion Project
Case No. 08- -EL-BNR

Delaware County

The Honorable Kris Jordan
Delaware County Commissioner
101 N. Sandusky Street
Delaware, Ohio 43015-1732

Mr. Chris E. Bauserman, P.E., P.S
Delaware County Engineer
50 Channing Street
Delaware, Ohio 43015-2015

The Honorable Glenn Evans
Delaware County Commissioner
101 N. Sandusky Street
Delaware, Ohio 43015-1732

Mr. Scott B. Sanders, AICP
Executive Director, Regional
Planning Commission
120 N. Sandusky Street
Delaware, Ohio 43015-1732

The Honorable James D. Ward
Delaware County Commissioner
Delaware, Ohio 43015-1732
101 N. Sandusky Street

Delaware Township

Mr. M. John Main, Chairman
Delaware Township Trustee
100 Wagner Way
Delaware, Ohio 43015-2769

Mr. Roger M. VanSickle
Delaware Township Trustee
461 Curve Road
Delaware, Ohio 43015-3021

Mr. Steven J. Jefferis, Vice
Chairman
Delaware Township Trustee
2325 Pollock Road
Delaware, Ohio 43015-3158

Ms. Phyllis J. Amato
Fiscal Officer, Delaware Township
40 Stratford Drive
Delaware, Ohio 43015-3201

AMERICAN TRANSMISSION SYSTEMS, INCORPORATED

CONSTRUCTION NOTICE

TANGY TRANSMISSION SUBSTATION EXPANSION

OPSB CASE NO. 08- 524 -EL-BNR

April 15, 2008

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

CONSTRUCTION NOTICE TANGY SUBSTATION EXPANSION

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

4906-11-02 (A): Information Requirements

4906-11-02 (A) (1) (a): Name of Project

Name of Project: Tangy Transmission Substation Expansion Project
 ("Project")

4906-11-02 (A) (2) (a): Brief Description of Project

American Transmission Systems, Incorporated's ("ATSI"), a FirstEnergy Corp. subsidiary, Tangy Transmission Substation Expansion project ("Project") consists of expanding the fence line of the substation to facilitate the installation of additional equipment in the substation. The existing and the expanded Tangy Substation will be owned and operated by ATSI. Exhibit 1 shows the general plan view of the existing and proposed layout of the Tangy Transmission Substation ("Tangy Substation"). The fenced area within the existing Tangy Substation is approximately 206,270 square feet. As part of the proposed Project, a portion of the east fence line of the substation will be relocated approximately 22 feet to the east. This will expand the footprint of the substation by approximately 7,940 square feet, with a total area of approximately 214,210 square feet. This represents an approximately 3.9 percent expansion of the substation. The expanded footprint of the substation will allow the installation of one new 345 /138 kV transformer, two 345 kV circuit breakers, one 138 kV circuit breaker, and one set of air break switches on the low side of the transformer.

4906-11-02 (A) (2) (b): Project Map

The Project is located near the intersection of Bunty Station Road and Liberty Road in the Township of Delaware, Delaware County, Ohio. The general location of the Project is shown in Exhibit 2, which is a partial compiled copy of the United States Geologic Survey, Delaware County, Ohio Quad Maps, ID number 40083-C1.

4906-11-02 (A) (2) (c): Construction Notice Requirements

The Project meets the requirements for a Construction Notice because the Project is within the types of project defined by Item (8)(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:

- (8) Constructing additions to existing electric power transmission substations where:

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

All project activities will take place on existing FirstEnergy owned property or easements. The fenced area of the existing Tangy Substation will be expanded by approximately 3.9 percent as a part of this Project.

4906-11-02 (A) (3): Project Need

The proposed Project is needed to correct FirstEnergy planning and NERC B thermal overload violations. The loss of one 345/138 kV transformer at Tangy Substation results in loading of 108% summer normal and 104% summer emergency MVA ratings. The loss of both 345/138 kV transformers at Tangy Substation results in voltages of 91-92% throughout the 138 kV system near Tangy Substation. Splitting up the existing units, by installing a 345 kV breaker between them, and adding a third transformer will provide better reliability as well as create capacity.

4906-11-02 (A) (4): Construction Schedule

Construction on the Project is expected to begin on approximately September 30, 2008 and is expected to be completed and placed in-service by June 1, 2009.

4906-11-02 (A) (5): Estimated Costs

The estimated capital costs for the Tangy Substation Expansion Project is \$6,732,112.

4906-11-02 (A) (6) (a): Operating Characteristics

The operating characteristics of the Tangy Transmission Substation and connected transmission lines will not be affected by the Tangy Transmission Substation Expansion Project. The Tangy Transmission Substation Expansion Project will add one 345/138 kV transformer for added reliability. The Tangy Transmission Substation provides 345/138 kV and 138/69 kV transformation for the following connected transmission lines

1. Cardington – Tangy 69 kV
2. London – Tangy 69 kV
3. E. Springfield – Tangy 138 kV
4. Crissinger – Tangy 138 kV
5. Kirby – Tangy 138 kV
6. Delaware – Tangy 138 kV
7. Marysville – Tangy 345 kV
8. Hyatt – Tangy 345 kV

4906-11-02 (A) (6) (b): Estimated Number and Types of Structures

The expanded footprint of the substation will allow the installation of one new 345 /138 kV transformer, two 345 kV circuit breakers, one 138 kV circuit breaker, and one set of air break switches on the low side of the transformer.

4906-11-02 (A) (6) (c): Right of Way Requirements

No new property rights are required for the Tangy Transmission Substation Expansion Project.

4906-11-02 (A) (7): 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 onto north on US-23 for approximately 1 mile to I-670. Turn west onto I-670 for approximately 0.8 miles. At exit 2B head north on SR-315 for approximately 19.3 miles. Turn west on Bean Oller Road for approximately 1.1 miles. Turn north on CR-9 (Liberty Road) for approximately 1.7 miles. Turn west on Bunty Station Road for approximately 0.2 miles to the site of the Tangy Transmission Substation.

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

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

Delaware County

The Honorable Kris Jordan
Delaware County Commissioner
101 N. Sandusky Street
Delaware, Ohio 43015-1732

Mr. Chris E. Bauserman, P.E., P.S
Delaware County Engineer
50 Channing Street
Delaware, Ohio 43015-2015

The Honorable Glenn Evans
Delaware County Commissioner
101 N. Sandusky Street
Delaware, Ohio 43015-1732

Mr. Scott B. Sanders, AICP
Executive Director, Regional Planning
Commission
120 N. Sandusky Street
Delaware, Ohio 43015-1732

The Honorable James D. Ward
Delaware County Commissioner
101 N. Sandusky Street
Delaware, Ohio 43015-1732

Delaware Township

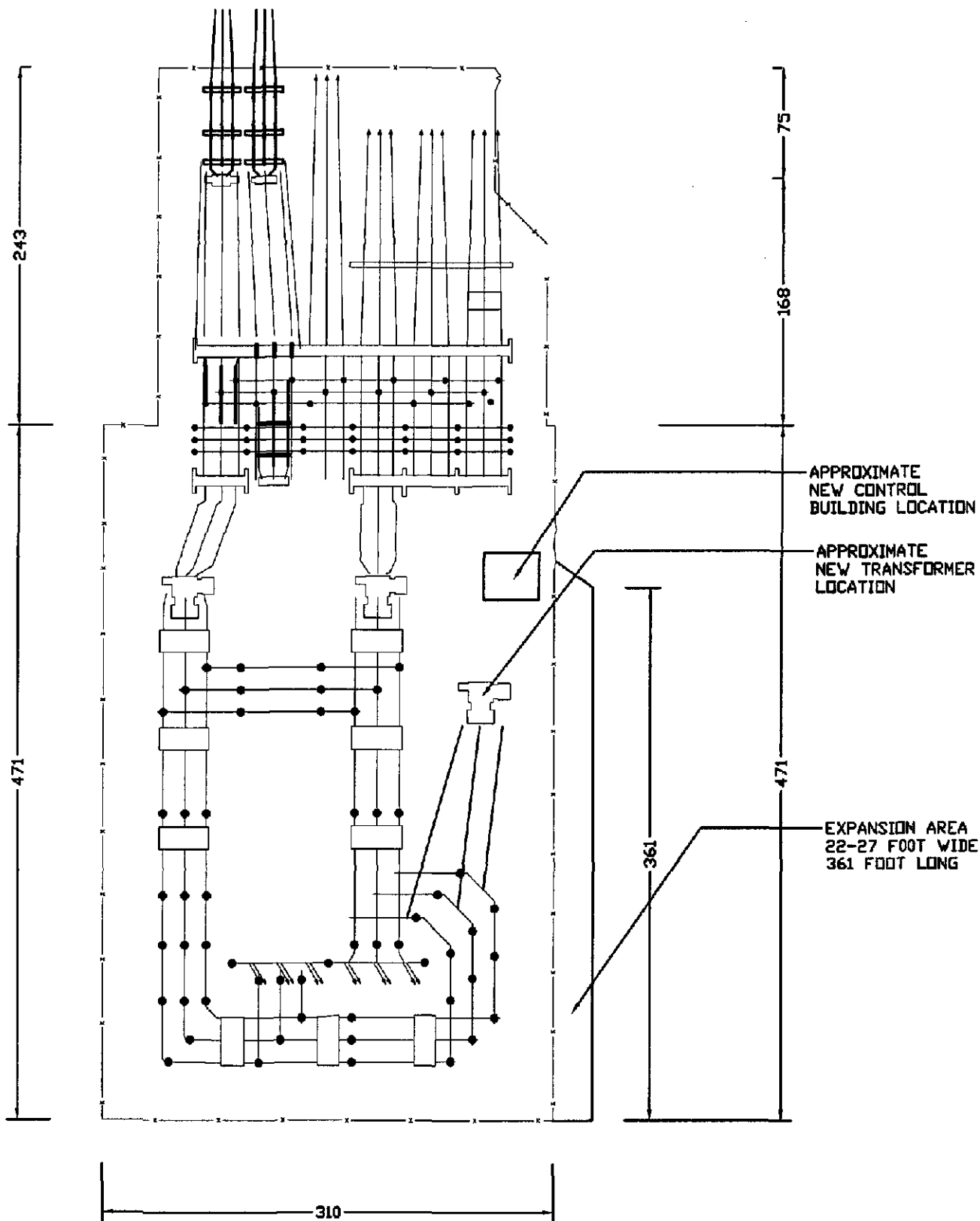
Mr. M. John Main, Chairman
Delaware Township Trustee
100 Wagner Way
Delaware, Ohio 43015-2769

Mr. Steven J. Jefferis, Vice Chairman
Delaware Township Trustee
2325 Pollock Road
Delaware, Ohio 43015-3158

**Mr. Roger M. VanSickle
Delaware Township Trustee
461 Curve Road
Delaware, Ohio 43015-3021**

**Ms. Phyllis J. Amato
Fiscal Officer, Delaware Township
40 Stratford Drive
Delaware, Ohio 43015-3201**

**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.**



ISSUE DATE:

- ☐ CONSTRUCTION
- ☐ AS BUILT
- ☐ RECORD

DR. ~~999~~ 4/15/2008 C.E.

CHK.

INS.

APP.

ORDER NO.

WES OS-000474-ATS-C
R/W

SCALE NTS

Tangy Substation EXPANSION

FirstEnergy
Transmission Design

OPERATING CO.
OHIO EDISON

DWG NO.

EXHIBIT 1

SHEET

1

REV.

A

EXHIBIT 2

PROJECT AREA

Orig Date: 1984
 Quad Series: 7.5'
 Paper Source: Topographic 1:24,000
 Quad Order ID: 40083-C1
 Coverage: Delaware County, OH
 Vendor: USGS

