



Legal Department

American Electric Power  
1 Riverside Plaza  
Columbus OH 43215-2373  
AEP.com

December 3, 2010

Klaus Lambeck, Chief  
Facilities, Siting & Environmental  
Analysis Division  
180 East Broad Street  
Columbus, Ohio 43215

Matthew J. Satterwhite  
Senior Counsel –  
(614) 716-1915 (P)  
(614) 716-2014 (F)  
mjsatterwhite@aep.com

Re: OSU-Roberts 138kV Transmission Line Project  
Case No. 08-170-EL-BIX  
Case No 10-1328-EL-BTA

Dear Mr. Lambeck:

On behalf of Columbus Southern Power Company (CSP or AEP Ohio) American Electric Power is planning to start construction on the Roberts – OSU 138 kV Line on December 11, 2010. In cooperation with The Ohio State University, work will start on John Herrick Drive.

This letter is to update the Ohio Power Siting Board staff on American Electric Power's progress in meeting the outstanding conditions contained in the Certificate of Environmental Compatibility and Public Need for the Roberts – OSU 138 kV Line Project (08-0170-EL-BIX) and the Amendment to the Application (10-1328-EL-BTA).

These conditions are:

5) This condition deals with the potential nesting habitat of the golden winged warbler. AEP has requested our environmental consultant, URS, to conduct an assessment of the potential nesting habitat for the golden winged warbler. These results will be provided to staff on an aerial photograph map on or before December 31, 2010. To minimize impacts to habitat, if present, clearing is scheduled to be completed before the typical nesting season of May 15 to July 15.

8) AEP proposes to handle this condition in the same manner as a similar condition for the Don Marquis 138 kV Project (Case #07-0715-EL-BTX). This method works well because our Plan and Profile drawings are used in the initial clearing operations

as well as during future maintenance clearing work. AEP will send the OPSB staff these drawings prior to the start of any clearing operations.

10) With addition of the attached permit involving the flood plain, all environmental permits have been secured (US Army Corp and SWPP) and copies submitted to the OPSB staff.

11) The environmental specialist for this project will be Christina Svoboda or some one else from her group (Water and Ecological Services).

15) A preconstruction meeting has been scheduled for Monday, December 6, 2010 at 1:00 pm at AEP's Gahanna Office (700 Morrison Road Gahanna Ohio). Our civil contractor, Culey Construction will be there along with the Project Manager, and Environmental Specialist. Due to the nature of the work, additional meetings with other contractors involved with this project will be required.

16) Our traffic plan has been reviewed and approved by the City of Upper Arlington. In addition to this Upper Arlington is planning to have a full time inspector on the job. This traffic plan was included in package of drawing submitted to the OPSB.

17) AEP has submitted a preliminary noise study to the OPSB staff. This study documented the traffic noise levels during a typical traffic noise levels at Lane Avenue and Riverside Drive. This noise study will be completed by obtaining the final location of the HDD drilling equipment and the noise levels of the HDD drilling equipment. This information will be available from the HDD drilling contractor and discussed at the preconstruction meeting for HDD work later this year. If the noise study indicates that mitigation is required, then AEP will work with the HDD contractor to install mufflers or noise barriers.

18) AEP has received a letter from the Ohio Historical Preservation Office regarding the cultural resources survey. A copy of this letter is attached.

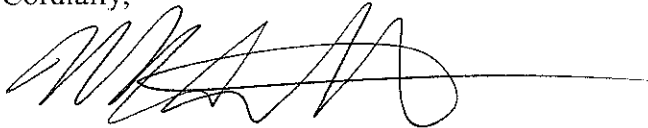
23-24) AEP has been working closely with Upper Arlington on this project. The plans submitted to the OPSB staff include the location of the Upper Arlington conduit and communication manholes.

The following condition is in the Amendment to the Application (10-1328-EL-BTA)

3) AEP does not anticipate impacting any mussel species. The line is designed to bore under the Olentangy River rather than trenched through the river. This boring method presents the minimum potential impacts. Issues related to frac-out have been addressed in the frac-out contingency plan which has already been submitted to the OPSB staff. AEP has requested that URS review this frac-out plan and coordinate with ODNR concerning any potential mussel species. Results of this review will be submitted to the staff by December 10, 2010. The US Army Corp of Engineers has reviewed and approved the river crossing permit application for this crossing. A copy of this permit has been docketed with the OPSB. Per the permit, no additional coordination with the Corps is required.

Please let me know if you have any questions or concerns.

Cordially,

A handwritten signature in black ink, appearing to read 'M. Satterwhite', with a horizontal line extending to the right from the end of the signature.

Matthew J. Satterwhite, Senior Counsel

cc: William Adams  
Counsel for City of Upper Arlington

Enclosure



November 8, 2010

Christopher A. Bergman, PhD  
URS Corporation  
36 East 7<sup>th</sup> Street, Suite 2300  
Cincinnati, Ohio 45202-4434

Dear Dr Bergman:

**RE: Roberts-OSU 138 kV Transmission Line, Phase II Evaluation of 33 FR 119, Upper Arlington, Franklin County, Ohio**

This is in response to the receipt, on October 6, 2010, of *Phase II NRHP Investigations At Site 33 FR 119, Franklin County, Ohio*. The comments of the Ohio Historic Preservation Office are submitted in accordance with the provisions of Section 106 of the National Historic Preservation Act of 1966, as amended.

Subsurface testing was conducted to evaluate site 33 FR 119's eligibility for inclusion to the National Register of Historic Places. This testing resulted in the identification of a dense lithic scatter and no in tact subsurface features. Based on the information provided, I concur with the opinion that the tested portion of this property is not eligible for inclusion in the National Register of Historic Places. Therefore the project will not affect historic properties. No further coordination is required unless the project changes or additional archaeological remains are discovered during the course of the project. In such a situation, this office should be contacted as per 36 CFR 800.13.

If you have any questions, please contact me at (614) 298-2000, or by email at [nyoung@ohiohistory.org](mailto:nyoung@ohiohistory.org).

Sincerely,

Nathan J Young, Project Reviews Manager  
Resource Protection and Review

1035639

OHIO HISTORICAL SOCIETY

*Ohio Historic Preservation Office*

1982 Velma Avenue Columbus, Ohio 43211-2497 ph: 614.298.2000 fx: 614.298.2037  
[www.ohiohistory.org](http://www.ohiohistory.org)



Commissioner John O'Grady · Commissioner Paula Brooks · Commissioner Marilyn Brown  
President

Economic Development & Planning Department  
James Schimmer, Director

November 30, 2010

Team Fishel  
Attn: Joe Blake  
1366 Dublin Road  
Columbus, OH 43215

Re: OSU-Roberts 138kV transmission line NFIP development permit

Dear Mr Blake:

This letter is in regards to the application for a National Flood Insurance Program development permit for the proposed OSU-Roberts 138kV transmission line. Based on the information submitted the project complies with Franklin County's floodplain management regulations and the NFIP development permit has been approved. It is the responsibility of the project sponsor to ensure that all necessary local, state and federal permits have been received.

A copy of the approved NFIP development permit is enclosed. If you have any questions, please contact me at (614) 462-3094

Sincerely,

Matt Brown, CFM  
Planner & Floodplain Manager

*enclosures*

**'525' THE COUNTY'S NEW NUMBER**

On 12/13/10 all Franklin County Government telephone numbers that begin with '462' or '719' will switch to begin with '525'.

**You can reach this office by calling 614-525-3094.**

Economic Development · Community Development  
150 South Front Street, FSL Suite 10, Columbus, Ohio 43215  
Tel: 614-462-5631  
Fax: 614-462-4876  
[www.FranklinCountyOhio.gov](http://www.FranklinCountyOhio.gov)

Planning · Zoning · Building  
Planning & Zoning Tel: 614-462-3094  
Building Permits Tel: 614-462-3166  
Fax: 614-462-7155



Application for

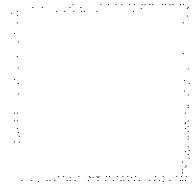
# NFIP Permit

For new development  
FEMA Community #390167

**Commissioners**

John O'Grady, President  
Paula Brooks  
Marilyn Brown

**Economic Development & Planning Department**  
James Schimmer, Director



**Property Information**

Site Address <b>CITY OF COLUMBUS JAMES J. THOMAS PARK (PUBLIC DISC GOLF COURSE) LOCATED WEST OF US 33 (RIVERSIDE DRIVE)</b>	
Parcel ID(s) <b>580-198700</b>	Total Acreage <b>2.036 +/-</b>
Township <b>Perry</b>	Zoning District <b>Franklin County Unincorporated 390167</b>

**Applicant Information**

Name <b>American Electric Power (AEP)</b>	
Address <b>Attn: John Heppner Transmission Line Projects Engineer 700 Morrison Road Gahanna, Ohio 43230</b>	
Phone # <b>614-552-1128</b>	Fax # <b>614-552-1818</b>
Email <b>jrheppner@aep.com</b>	

**Engineer Information**

Name <b>Team Fishel (Agent) in the behalf of American Electric Power "AEP"</b>	
Address <b>1366 Dublin Road Columbus, Ohio 43215</b>	
Phone # <b>614-207-8410</b>	Fax # <b>614-850-7170</b>
Email <b>jgblake@teamfishel.com</b>	

**Project Proposal**

NFIP Watercourse <b>Scioto River</b>	
FIRM Panel # <b>390178-0164-K</b>	
Base Flood Elevation <b>746</b>	Flood Protection Elevation

Project Description:  
Placement of approximately 5.55 miles of underground 138kV transmission line cables concrete encased within a 6" plastic conduit and manhole system, placed with a parallel fiber optic cable and conduit system.

**Staff Use Only**

Permit # <b>10-15</b>
Date filed: <b>10-27-10</b>
Received by: <b>Matt Brown</b>
Fee paid: <b>\$125.00</b>
Receipt # <b>228139</b>
BZA case # <b>N/A</b>
BZA hearing date <b>N/A</b>
Elevation Cert. received Date <b>N/A</b>

**Approval**

<input checked="" type="radio"/> Approved / <input type="radio"/> Denied
NFIP Permit issued by the Franklin County Economic Development and Planning Department under the authority of the Franklin County NFIP Application
Signature
<b>11-30-10</b>
Date

**Flood Zone**

A
AE
AH
AO
X (shaded)
X (unshaded)

# Franklin County Economic Development and Planning Department National Flood Insurance Program (NFIP) Permit Requirements

Any applicant who proposes floodplain development is solely responsible for filing all materials required by the application in its entirety. Please consult with the Franklin County Economic Development and Planning Department and obtain a copy of all applicable floodplain regulations and development standards prior to filing a NFIP permit application. An incomplete application will not be reviewed until such time all relevant material has been submitted. Permits approved on the basis of applications, plan specifications and other information shall authorize only the use arrangement, and construction set forth therein

## General Application Requirements in Designated AE and AH Zones

Two (2) copies of the completed application form.

Two (2) copies of the development plan showing the nature, location, dimensions, and details of the property, development activities and existing/proposed land use. A development plan must include the following information:

- Names of applicant and engineer with their respective addresses and phone numbers
- Street address and Tax District/Parcel Number of the subject property
- Present use and proposed use
- Adjacent building locations
- North arrow
- Scale of drawing, use suitable standard scale
- Floodway and floodplain boundaries
- Dimensions and locations of property lines, existing buildings, proposed buildings and placement of fill and other pertinent features

Elevation in relation to mean sea level of the lowest floor, including basement, of all proposed structures located in special flood hazard areas where base flood elevation data are utilized

Elevation in relation to mean sea level to which any proposed structure will be floodproofed where base flood elevation data are utilized including certification by a registered professional engineer or architect that the floodproofing methods for any nonresidential structure meet the floodproofing criteria required by Franklin County's National Flood Insurance Program Resolution.

Existing base flood elevations.

Existing and proposed topographical information

Description of the extent to which any watercourse will be altered or relocated as a result of the proposed development and certification by a registered professional engineer that the flood carrying capacity of the watercourse will not be diminished.

Certification by a registered professional engineer, architect, or surveyor of the structure's as-built lowest floor or floodproofed elevation.

Certification of finished elevations, and/or other proofs or assurances of compliance with approved plans.

Information demonstrating compliance with the General Development Standards of Section 4.0 of the Franklin County NFIP regulation

Any additional information or exhibits deemed necessary for proper consideration of the application

**General Application Requirements in Designated A Zones**

Submission of materials required in a designated AE or AH zone

Designation of the floodway boundaries

Designation of the base flood elevations

Computer model input and output used to determine the existing base flood elevation and floodway limits.

Computer model input and output used to determine the base flood elevation and floodway elevation using the existing floodway limits with the proposed development completed.

Any additional information or exhibits deemed necessary for property consideration of the application.

*Note* – In designated flood hazard areas for which the Federal Emergency Management Agency has not determined detailed flood elevations and Floodway boundaries, the applicant shall be required to furnish such information prepared by qualified personnel to enable the administration of Franklin County's National Flood Insurance Program Resolution consistent with its intent. Flood maps and data published by State or Federal sources such as the USDA Soil and Water Conservation Service, U.S. Army Corps of Engineers, U.S. Geological Survey, or the Ohio Department of Natural Resources shall be utilized when available. In cases of differing information from two or more of these sources, the more comprehensive and technical data shall be used.

When detailed flood elevations and floodway boundaries are not available for the base flood through FEMA or other state or federal sources, the applicant shall provide them. Such information and data shall be prepared by a qualified Professional Engineer in accordance with currently accepted hydrological and hydraulic engineering techniques and methodology. Studies, analyses, computations, etc. shall be submitted in sufficient detail to allow a thorough technical review.

**Application Requirements in Designated Floodway Zones**

Submission of materials required in a designated AE or AH zone.

Calculations demonstrating that, if any portion of a permitted encroachment is located within a floodway, the encroachment does not affect the pre-development floodway base flood elevation.

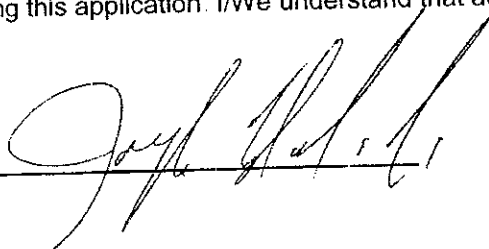
Information demonstrating compliance with Section 4.3 of the Franklin County NFIP regulation,

Any additional information or exhibits deemed necessary for property consideration of the application.

**Statement of Understanding**

I/We have read and understand the requirements as listed above and I/we have met with the Franklin County Development Department prior to filing this application. I/We understand that additional materials may be requested as part of the review process.

Applicant Signature



Date

10-27-10



November 17, 2010

Mr. Matthew Brown  
Planner and Floodplain Manager  
Franklin County  
Economic Development and Planning Department  
Lazarus Building  
150 South Front Street, FSL Suite 10  
Columbus, OH 43215-7104

Re: Special Flood Hazard Area Certification  
OSU - Roberts 138kV Underground Transmission Line

Dear Mr. Brown:

Stone Environmental Engineering & Science, Inc. (Stone Environmental) reviewed the construction drawings, manhole cover shop drawing, and the storm water pollution prevention plan for the above referenced project and determined that all facilities that are located in the Special Flood Hazard Area (SFHA) have been planned and designed so as to minimize the potential for flood damage to them and to the community.

The areas located in SFHAs include the conduit lines and appurtenances from stations 37+00 to station 54+00. The proposed transmission line will be contained in several conduits contained in an approximate 34-inch diameter bore. Permanent manholes and access points are located at stations 33+00 and 53+50, and each of these are fitted with bolted-down, water tight manhole covers.

It is the intent of Team Fishel to construct and install the underground transmission line and the appurtenances described above according to the plans and specifications prepared by Team Fishel. It is the intent of AEP Service Corporation to maintain the structures after they are constructed. Stone Environmental, therefore, certifies that the facilities will be constructed, installed and maintained to minimize the potential for flood damage to them and to the community.

Respectfully,

**Stone Environmental**

*Henry R. Stonerook*

Henry R. Stonerook, P.E.  
President

cc: Joe Blake, Team Fishel Project Manager





1600 Walcutt Road  
Columbus, OH 43228  
(614) 850-4400

## SERVICE EXCELLENCE

10/27/10

**DIANE KEELER**  
Chairman

**JOHN PHILLIPS**  
President and CEO

**RANDY BLAIR**  
Executive VP and COO

**SCOTT HOMBERGER**  
VP, Midwest Region

**BILL PAULEY**  
VP, Western Region

**SCOTT KEELER**  
VP, Central Region

**PAUL RIEWE**  
VP and CFO

**GREG GRABOVAC**  
VP and General Counsel

**KEN KATZ**  
VP and CIO

Mr. Matt Brown  
Planner & Floodplain Manager  
Franklin County  
Economic Development & Planning Department  
Lazarus Building  
150 South Front Street, FSL Suite 10  
Columbus, Ohio 43215-7104

Dear Mr. Brown:

I am submitting in the behalf of American Electric Power (AEP) the following Application for NFIP Permit for new development, for the proposed installation of the Roberts - OSU 138kV Transmission Line Proposed Line Route. The above referenced project will consist of civil construction and cable installation to place approximately 5.55 miles of underground 138kV transmission line cables and conduit system, with parallel fiber optic cables and conduit system. The overall project will begin at an overhead to underground terminal pole located south of Dublin Road then continue in an easterly direction traversing the Scioto River, US 33 Riverside Dr. and Kenny Rd. to the proposed Ohio State University west campus substation to be located on Kenny Road. Then the project will continue east and traverse CSX Railroad & SR 315, John Herrick Dr. and the Olentangy River to an existing Ohio State University substation located west of Cannon Drive and south of John Herrick Drive.

The 138 KV underground transmission line project will consist of 4 - 6" SCH 40 PVC conduits, 3 - 2" SCH 40 PVC conduits and 1 - 4" SCH 40 PVC conduit for communication cable. This project will include placing transmission precast manholes with bolt type locking lids approximately every 2,500' and/or adjusted as need to accommodate other utilities, traffic patterns, intersections, driveways etc., along with the placement of communication manholes for fiber optic cables. The project will also involve Horizontal Directional Drilling (HDD) of identified resources including but not limited to the Scioto River,

Sheet 1 of 2

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With Offices in  
ATLANTA • CINCINNATI • COLUMBUS • DALLAS • DAYTON • HOUSTON • LOUISVILLE • LAS VEGAS • LOS ANGELES  
NASHVILLE • ORLANDO • PHOENIX • RICHMOND • SAN DIEGO • TAMPA • TUCSON • WASHINGTON DC

[www.teamfishel.com](http://www.teamfishel.com)

Sheet 2

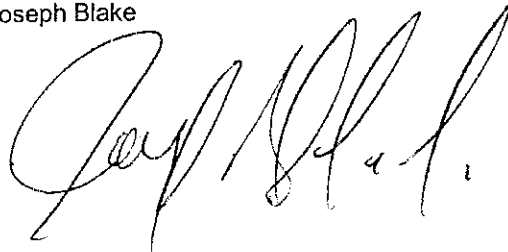
Evans Run, Carmack Rd East, CSX Railroad & SR 315 and the Olentangy River (i.e. Rivers, streams, wetlands, Railroad, other biological resources, and cultural resources) for the Sediment, Erosion Control & Horizontal Directional Drilling (HDD) Surface Migration Contingency Plans please see Sheets 30 thru 60 Please Note: that all conduits used within the Scioto River and Olentangy River flood zones will be HDPE (High Density Polyethylene) plastic conduit with fusion type welds for continuous continuity between manhole locations with a watertight impervious seal

As requested I have included two (2) copies of the Plan View and Profile Sheets 1 thru 29 with Sediment and Erosion Control, & HDD Surface Migration Contingency Plans Sheets 30 thru 60 with one CD containing a PDF of the above referenced project, FIRM Maps and the Franklin County NFIP Permit Application

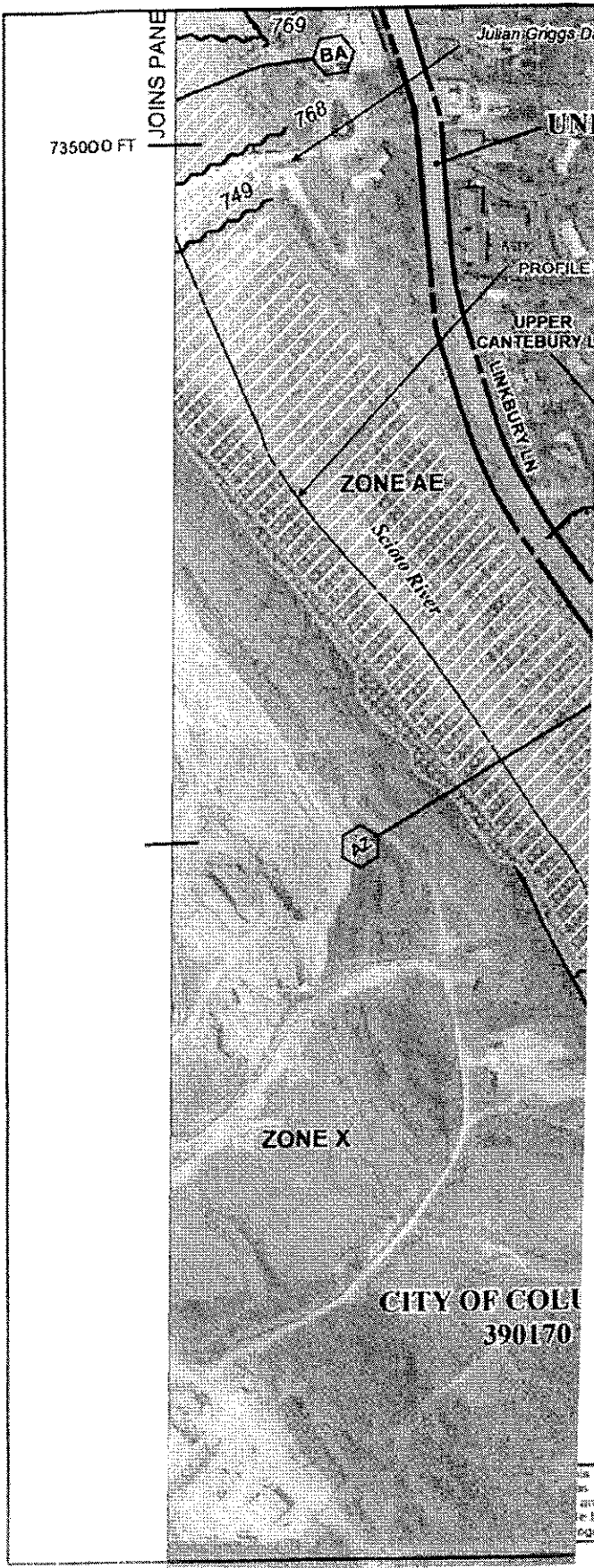
If you have any questions, require anything further from Team Fishel, or wish to discuss this project in greater detail, please do not hesitate to contact me directly via one of the methods set forth below

Sincerely,

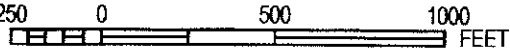
Joseph Blake

A handwritten signature in black ink, appearing to read 'Joseph Blake', written in a cursive style.

Senior Project Manager  
TEAM FISHEL  
BEST CHOICE FOR OVER 70 YEARS  
1366 Dublin Road  
Columbus, Ohio 43215  
Voice (614) 921-8618  
Mobile (614) 207-8410  
1-800-FISHEL-5 (Toll Free)  
[jgblake@teamfishel.com](mailto:jgblake@teamfishel.com)



MAP SCALE 1" = 500'



PANEL 0164K

## FIRM

**FLOOD INSURANCE RATE MAP  
FRANKLIN COUNTY,  
OHIO  
AND INCORPORATED AREAS**


**PANEL 164 OF 465**

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

**CONTAINS:**

COMMUNITY	NUMBER	PANEL	SUFFIX
COLUMBUS, CITY OF	390170	0164	K
FRANKLIN COUNTY	390167	0164	K
UPPER ARJINGTON, CITY OF	390176	0164	K

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



**MAP NUMBER  
39049C0164K**

**MAP REVISED  
JUNE 17, 2008**

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using FIRM Co-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps, check the FEMA Flood Map Store at [www.map.fema.gov](http://www.map.fema.gov)

**This foregoing document was electronically filed with the Public Utilities**

**Commission of Ohio Docketing Information System on**

**12/3/2010 3:18:09 PM**

**in**

**Case No(s). 08-0170-EL-BTX, 10-1328-EL-BTA**

Summary: Letter of Notification electronically filed by Mr. Matthew J Satterwhite on behalf of Columbus Southern Power Company