



May 1, 2014

Chairman Thomas W. Johnson  
Public Utilities Commission of Ohio  
Ohio Power Siting Board  
180 East Broad Street  
Columbus, Ohio 43215-3793

**RE: Request for Expedited Treatment:** In the Matter of the Letter of Notification of the South Central Power Company Blue Racer 138 kV Transmission Line Project.  
Case No. 14-0750-EL-BLN

Dear Chairman Johnson:

Attached please find a copy of the Letter of Notification (LON) for the SOUTH CENTRAL POWER COMPANY BLUE RACER 138 KV TRANSMISSION LINE PROJECT. This filing and notice is in accordance with O.A.C. 4906-11-01.

A copy of this filing is also being presented to the executive director or the executive director's designee. An abbreviated copy was provided earlier in the week via electronic message to provide advance notice. The Company already submitted a check in the amount of \$2,000 to the Treasurer, State of Ohio, for Fund 5610 for the expedited fees.

Please contact me if there are any questions.

Respectfully submitted,

A handwritten signature in blue ink, appearing to read "Mike Gettel", written over a horizontal line.

Mike Gettel  
V.P. of Engineering

cc. Sean Wilson, BRM  
Andy Leoni, Salient Power  
Grant Zeto, OPSB

## **Letter of Notification**

South Central Power Company  
Blue Racer 138kV Transmission  
Line Project

PUCO Case No. 14-0750-EL-BLN

Submitted to:  
The Ohio Power Siting Board  
Pursuant to OAC 4906-11-01

Submitted by:  
Blue Racer Midstream

May 2, 2014

## LETTER OF NOTIFICATION

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### LETTER OF NOTIFICATION

#### **South Central Power Company (SCPC) Blue Racer 138 kV Transmission Line Project**

#### **4906-11-01(A)**

Blue Racer Midstream, LLC (BRM) is providing the following information in accordance with the procedures delineated in the 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**

##### **B(1) Project Description**

**The name of the project and applicant's reference number, if any, names and reference number(s) of resulting circuits and a brief description of the project, and why the project meets the requirements for a letter of notification.**

BRM is proposing the South Central Power Company (SCPC) Blue Racer 138 kV Transmission Line, located in Section 18, Township 6 North, Range 7 West, Franklin Township, Monroe County, Ohio. The proposed project involves the installation of approximately 1,975 feet (0.3740 miles) of 138 kV single circuit, electrical transmission line. The proposed 138 kV transmission line connects SCPC's Blue Racer 138kV delivery point, which is located within the American Electric Power (AEP) Blue Racer Switchyard, to the BRM proposed Cryogenic facility 138/13.8 kV distribution substation. The five structures in this transmission line outside of the Cryogenic facility and the switchyard include two 75-foot class 1 Douglas Fir poles, one 80-foot class 1 Douglas Fir pole, one 85-foot class 1 Douglas Fir pole, and one 70-foot steel angle structure. The line will connect to a 90-foot steel structure in the Cryogenic facility, and to an AEP 138 kV dead-end at the switchyard. The line crosses, and then runs adjacent to, Swazey Road. The transmission line centerline will be approximately 35 feet from the centerline of Swazey Road, which will be five feet outside (east) of the County right-of-way (ROW). The electrical transmission line will be located on property owned by BRM. Figure 1 in Appendix A depicts the proposed transmission line project.

The project is defined by Item (1)(e) of the Ohio Administrative Code Chapter 4906-01, Appendix A, "Application Requirement Matrix for Electric Power Transmission Lines," which requires a Letter of Notification. This project consists of constructing a 0.3740-mile 138 kV electrical power transmission line. The project has been assigned PUCO Case No. 14-0750-EL-BLN.

##### **B(2) Statement of Need**

**If the proposed letter of notification project is an electric power transmission line or gas or natural gas transmission line, a statement explaining the need for the proposed facility.**

BRM is proposing to construct the Blue Racer Berne Cryogenic Facility ("Cryo Facility") on the same property as the proposed electrical transmission line. Cryogenic processing of natural gas requires

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electric service for large horsepower compressors and pumps. Phase One of the Cryo Facility is for approximately 28 MW of load consisting mainly of large horsepower, 13.8 kV rated, electric drive compressors. The second phase of the project is expected to require an additional 32 MW of capacity for a total load of approximately 60 MW. This exceeds the capability of typical medium voltage service in rural areas and requires higher capacity transmission facilities.

Buckeye Power, on behalf of SCPC, requested AEP conduct a system study to determine the impact and feasibility of providing higher capacity service so SCPC could serve the Cryo Facility. AEP determined the existing Summerfield – Berne 138 kV transmission line was adequate to serve the 60 MW load, with certain improvements, including a new 138 kV breaker station. The transmission line is needed to connect the SCPC delivery point located in the AEP breaker station to the Cryo Facility.

### **B(3) Project Location**

**The location of the project in relation to existing or proposed lines and stations shown on the maps and overlays provided to the public utilities commission of Ohio in the applicant's most recent long-term forecast report.**

Figure 2 included in Appendix A shows the location of the proposed transmission line project in relation to Blue Racer's proposed pipelines and Berne Cryogenic facility and associated substation currently under construction in this area.

### **B(4) Alternatives Considered**

**The alternatives considered and reasons why the proposed location or route is best suited for the proposed facility. The discussion shall include, but not be limited to impacts associated with socioeconomic, natural environment, construction, or engineering aspects of the project.**

Four alternative routes were considered. The route designers factored in potential future interference with Swazey Road, the existing SCPC distribution line, and the availability of land for future facilities when choosing an alternative. All alternatives avoid direct impacts to wetlands and waterways on the site.

- Alternative #1 (preferred) – The line exits the AEP Blue Racer Breaker Station on the south side, turns east and crosses the SCPC distribution line and Swazey Road. The line then turns south and parallels Swazey Road to the foot of the hill. From the foot of the hill, there is a long span east-southeast up to the Cryo facility site. The advantages of this alternative are that it leaves the area south of the AEP Breaker Station free for other facilities, and does not interfere with SCPC distribution. Because the line is outside of the county road easement, it would not need to be relocated should the road need to be widened. Running the line along the east side of Swazey Road also minimizes any potential sedimentation impacts from construction disturbance on the Clear Fork of Little Muskingumen River.

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- Alternative #2 – The line exits the AEP Blue Racer Breaker Station on the south side, turns east, and then south to parallel the existing SCPC distribution line, outside of the county road easement. The line then crosses the distribution line and Swazey Road near the base of the hill and runs up the hill to the Cryo facility site. This alternative would create logistic and space conflicts with any future facilities in the area south of the AEP Breaker Station. This alternative also increases the potential for sedimentation from construction activities into the Clear Fork of Little Muskingumen River. However, this route alternative would not interfere with the SCPC distribution or the potential widening of Swazey Road.
- Alternative #2A – The line exits the AEP Blue Racer Breaker Station on the south side, then turns east and runs south on the west side of Swazey Road, co-located with the SCPC distribution. This segment of the line would be rebuilt, with the 138kV line on top and distribution underbuilt. The transmission line crosses Swazey Road near the base of the hill and runs up the hill to the Cryo Facility site. This alternative creates logistical and space conflicts with any potential facilities that may be built south of the breaker station. This alternative also increases the potential for sedimentation from construction activities into the Clear Fork of Little Muskingumen River. While this route does not immediately interfere with Swazey Road, it may have to be relocated if the road is widened. In addition, this interferes with SCPC distribution, and results in common facilities of 138 kV and 24.9 kV on the same poles.
- Alternative 3 – The line exits the AEP Blue Racer Breaker Station on the south side, runs south on the west side of Swazey Road, then crosses Swazey Road and SCPC distribution near the proposed entrance to the Cryo Facility. The line then runs east adjacent to the plant access road up to the facility. This alternative increases the potential for sedimentation from construction activities into the Clear Fork of Little Muskingumen River. This alternative is not technically desirable considering soil stability along the access road.

### **B(5) Construction Schedule**

**The anticipated construction schedule and proposed in-service date of project.**

Construction is planned to start on or about June 1, 2014, and the in-service date (completion date) of this project is expected to be on or about August 29, 2014.

### **B(6) Area Map**

**An area map of not less than 1:24,000 scale clearly depicting the facility's centerline with clearly marked streets, roads, and highways, and clearly written instructions for locating and viewing the facility.**



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Figure 1 included in Appendix A identifies the location of the proposed transmission line project on the USGS quadrangle map for Summerfield, Ohio. To view the project, from Columbus take I-70 East to I-77 South toward Marietta. Take exit 25 for OH-78 toward Caldwell/Woodsfield. Turn left on OH-78 East, then turn right on Swazey Road. The project is located approximately 1.8 miles from the intersection of OH-78 and Swazey Road.

### **B(7) Property Agreements**

***A list of properties for which the applicant has obtained easements, options, and/or land use agreements necessary to construct and operate the facility and a list of the additional properties for which such agreements have not been obtained.***

BRM owns the property on which the proposed transmission line will be located. No easements, options or land use agreements are necessary for this project.

### **4906-11-01(C) Technical Features**

#### **C(1) Operating Characteristics**

**Operating characteristics, estimated number and types of structures required, and right-of-way and/or land requirements.**

The proposed project involves the installation of approximately 1,975 feet (0.3740 miles) of 138 kV single circuit, electrical transmission line. The proposed transmission line will include installing five structures outside of the Cryogenic facility and the switchyard and one structure in the Cryogenic facility. The five structures in this transmission line outside of the Cryogenic facility and the switchyard include two 75-foot class 1 Douglas Fir poles, one 80-foot class 1 Douglas Fir pole, one 85-foot class 1 Douglas Fir pole, and one 70-foot steel angle structure. The line will connect to a 90-foot steel structure in the Cryogenic facility and to an AEP 138 kV dead-end at the switchyard.

The transmission line centerline will be approximately 35 feet from the centerline of Swazey Road, which will be five feet outside (east) of the County right-of-way (ROW) with a total ROW width of 100 feet (50 feet distance from centerline to ROW edge). The electrical transmission line will be located on property owned by BRM.

The project has the following characteristics:

Voltage:	138kV
Structure Type:	Single circuit steel pole (Appendix B)
	Single circuit wood pole (Appendix B)
Shield wire:	24 count OPGW
Conductor:	795 26/7 ACSR "DRAKE" conductor

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### C(2) Electric and Magnetic Fields

**For electric power transmission lines, the production of electric and magnetic fields during the operation of the proposed electric power transmission line.**

#### C(2)(a) Calculated Electric and Magnetic Field Strength Levels

One loading condition was examined: normal maximum loading. Normal maximum line loading is the only condition that is applicable to the proposed transmission line project. It is not anticipated that this line would operate under an emergency line loading or winter normal rating in the foreseeable future. The proposed transmission line is a radial line and will not see an emergency line loading condition. Also, no seasonal rating for this line is established as the maximum loading condition of 325A, which represents the maximum capacity of the cryogenic facility distribution transformer, is less than the thermal rating of the 795 ACSR conductor. The line loading level used in the EMF calculations is for the normal maximum and presented below. The corresponding designs, including normal maximum loading phase configurations are shown in Appendix B.

GROUND CLEARANCE, RIGHT-OF-WAY, AND PROJECTED LOADING LEVELS					
Line	Phase Conductor (kCM ACSR)	Ground Clearance	Right-Of-Way		Line Loading
		(Feet)	Width (Feet)	Edge (Feet)**	Normal (A)
SCPC Blue Racer 138kV Line	795 26/7 ACSR "Drake"	31	100	50	325

\*Minimum ground clearance: normal maximum.

\*\*Distance from centerline to ROW edge.

The calculated electric and magnetic fields are summarized below. Typical cross section profiles at normal maximum loading conditions are shown in Appendix B.

EMF CALCULATIONS		
Line	Electric Field (kV/m)*	Magnetic Field (mg)*
		Normal Maximum Load
Berne 138kV Line	0.25/0.98/0.25	9.65/27.41/10.95

\* EMF levels (left ROW edge/maximum/right ROW edge) calculated one meter above ground assuming balanced currents and nominal voltages. Electric fields reflect normal operation.

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### **C(2)(b) Design Alternatives**

**A discussion of the company's consideration of design alternatives with respect to electric and magnetic fields and their strength levels, including alternate conductor configuration and phasing, tower height, corridor location, and right-of-way width**

Transmission line construction associated with the project is proposed in locations that would not place them in close proximity to existing residential areas and, therefore, will not significantly increase EMF exposure of the public.

### **C(3) Project Cost**

**The estimated cost of the project by federal energy regulatory commission account, unless the applicant is not an electric light company, a gas company or a natural gas company as defined in Chapter 4905 of the Revised Code (in which case, the applicant shall file the capital costs classified in the accounting format ordinarily used by the applicant in its normal course of business).**

As BRM is not a natural gas company as defined in Chapter 4905 of the Revised Code the cost has been provided per normal accounting business as required. The total cost of the project is \$590,000.

### **4906-11-01(D) Socioeconomic Data**

#### **D(1) Land Use**

**A brief, general description of land use within the vicinity of the proposed project, including: (a) a list of municipalities, townships, and counties affected; and (b) estimates of population density adjacent to rights-of-way within the study corridor (the U.S. census information may be used to meet this requirement).**

The proposed electrical line route is located within Monroe County, in Franklin Township. This area is not zoned.

There are three different land uses along the electrical line right-of-way (ROW). Approximately 600 feet are in agricultural use (hay). Approximately 325 feet are old field/field edge, and 600 feet were forested, but have been recently cleared for natural gas pipeline construction and pipeline right-of-way (ROW) and access. Approximately 840 feet of the ROW is adjacent to Swazey Road. Please see Figure 3 in Appendix A.

There are no currently occupied residences within 1000 feet of the centerline of the electrical line. A former residence and outbuilding are found approximately 200 feet and 350 feet from the centerline, respectively. These structures have not been used for more than 40 years, according to the previous property owners and site reconnaissance. No churches or school were noted in the vicinity.

#### **D(2) Agricultural Land**



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**The location and general description of all agricultural land (including agricultural district land) existing at least sixty days prior to submission of the letter of notification within the proposed electric power transmission line right-of-way, or within the proposed electric power transmission substation fenced-in area, or within the construction site boundary of a proposed compressor station.**

In 2012 non-road-ROW along the electrical line ROW was maintained in hay. Currently, it is a fallow grassy field. The land is owned by Blue Racer Midstream, LLC, and is not agricultural district land.

### **D(3) Archaeological and Cultural Resources**

**A description of the applicant's investigation (concerning the presence or absence of significant archeological or cultural resources that may be located within the area likely to be disturbed by the project), a statement of the findings of the investigation, and a copy of any document produced as a result of the investigation.**

On behalf of Blue Racer, Stantec Consulting Services Inc. ("Stantec") retained Richard Grubb & Associates (RGA) to complete a Phase I archaeological survey within the area of impact associated with the five proposed pole structures for the Project. A desktop review of the Ohio Historic Preservation Office (OHPO) database indicated that no previously documented archaeological sites, National Register of Historic Places or eligible historic properties are located within a five mile radius of the proposed project area limits of disturbance. RGA consulted with OHPO and determined the methods needed to conduct fieldwork at the proposed project site. During March 2014, Phase I fieldwork involved a site reconnaissance, a disturbance of assessment of each pole location (pole #2-6), and limited shovel testing in relatively level and undisturbed portions of three of the five structure locations (pole #3-5). The location of pole #1 is not part of the proposed project and falls within an area previously disturbed by the construction of the Berne Well Pad and Cryogenic facility. Due to the steeply sloping terrain and evidence of disturbance within the project area related to the ongoing construction, no prehistoric or historic cultural material were found, and no surface evidence of archaeological sites was identified in the disturbed or sloping areas. No further archaeological investigation is recommended. For more information, please consult the Phase I Archaeological Survey (2014) report in Appendix C. The results of RGA's study were submitted to OHPO. A copy of the submittal letter is included in Appendix E.

Section 106 of the National Historic Preservation Act requires federal agencies to take into account the effects of federally assisted undertakings on historic properties. However, the proposed project does not require a federal permit, federal review and/or authorization, or the use of federal funding to complete the project. The proposed project does not impact any streams or wetlands requiring a Section 404 permit from the U.S. Army Corps of Engineers (USACE) therefore not requiring federal review of the project. Therefore, Section 106 of the National Historic Preservation Act does not apply to the proposed project.

### **D(4) Notifications**

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**Documentation that the chief executive officer of each municipal corporation and county, and the head of each public agency charged with planning land use in the area in which any portion of the facility is to be located have been notified of the project and have been provided a copy of the letter of notification. The applicant shall describe the company's public information program used in the siting of the proposed facility. The information submitted shall include either a copy of the material distributed to the public or a copy of the agenda and summary of the meeting(s) held by the applicant.**

A copy of the letter of notification has been sent to the following public officials concurrently with submittal to OPSB. Copies of the cover letters to these officials are attached in Appendix D. Blue Racer will advise local officials of the status of the proposed transmission line project as necessary.

Mr. John V. Pyles  
County Commissioner  
Monroe County Board of Commissioners  
101 N. Main St., Room 34  
Woodfield, Ohio 43793

Mr. Lonnie Tustin  
Monroe County Engineer  
P.O. Box 555  
Woodsfield, Ohio 43793-0555

Mr. Jerry Wray  
Director  
Ohio Department of Transportation  
Conservation District  
1980 West Broad Street  
Columbus, Ohio 43223

Mr. Kirk Hines  
Administrator  
ODNR Soil & Water Conservation District  
2045 Morse Road, B-3  
Columbus, Ohio 43229

Mr. Christopher Huck  
Franklin Township Trustee  
42688 SR 145  
Lewisville, Ohio 43754

Ms. Kim Ray  
Interim District Conservationist  
Guernsey Co. Soil & Water Conservation District  
9711 E Pike Road  
Cambridge, OH 43725

Mayor Nathan Betts  
Village of Lewisville  
33692 State Route 78  
Lewisville, Ohio 43754

**D(5) Pending Litigation**

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**A brief description of any current or pending litigation involving the project known to the applicant at the time of the letter of notification.**

To the best of Blue Racer's knowledge, there are no current or pending litigation involving this project.

### **D(6) Agency Correspondence**

**A listing of the local, state, and federal governmental agencies known to have requirements that must be met in connection with the construction of the project, and a list of documents that have been or are being filed with those agencies in connection with siting and constructing the project.**

The proposed transmission line project will not require a general storm water discharge permit from the Ohio Environmental Protection Agency (OEPA) because ground disturbance associated with this project will be less than one acre. BRM will implement and maintain best management practices (BMPs) to minimize erosion and control sediment to protect surface water quality during storm events. There are no other known local, state or federal requirements that must be met prior to commencement of the proposed Project.

### **4906-11-01(E) Environmental Data**

#### **E(1) Threatened, Endangered, and Rare Resources**

**A description of the applicant's investigation concerning the presence or absence of federal and state designated species (including endangered species, threatened species, rare species, species proposed for listing, species under review for listing, and species of special interest) that may be located within the area likely to be disturbed by the project, a statement of the findings of the investigation, and a copy of any document produced as a result of the investigation.**

The United States Fish and Wildlife Service (USFWS) federally listed species by Ohio Counties published in January 2014 were reviewed to determine the threatened and endangered species in Monroe County. USFWS's publication listed the Indiana bat (*Myotis sodalis*), endangered; and Northern long-eared bat (*Myotis septentrionalis*), proposed as endangered.

The proposed project contains recently cleared habitat along a perennial stream channel, and previously disturbed scrub-shrub habitat adjacent to Swazey road within the proposed project area. Forested habitat impacts will not occur in association with this project. Forested land was previously cleared for the Berne Cryogenic Facility and nearby pipeline development.

A coordination letter was submitted to USFWS on February 21, 2014 seeking a review of the proposed project for potential impacts on threatened or endangered species. Correspondence received from USFWS indicates that the proposed project is in the vicinity of one or more confirmed records of Indiana bats and Northern long-eared bats and potential suitable habitat exhibiting characteristics of suitable

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summer habitat for both species should be preserved wherever possible. However, USFWS states that because the project will result in a small amount of forest clearing relative to the available habitat in immediately surrounding areas, habitat removal is unlikely to result in significant impacts to these species. This habitat was previously cleared for pipeline development.

Due to the Indiana bat and Northern long-eared bat presence in the vicinity of the project, any tree clearing that is unavoidable should occur only from October 1 through March 31. Following these season tree clearing restrictions should ensure that any effects to the Indiana bats and Northern long-eared bats are insignificant or discountable. BRM has completed all tree clearing activities within the proposed Project area prior to March 31, 2014 as part of activities associated with the Berne Cryogenic Facility and nearby pipeline development.

Section 7(a)(2) of the Endangered Species Act (ESA) directs all Federal agencies to insure that any action they authorize, fund, or carry-out does not jeopardize the continued existence of an endangered or threatened species or designated or proposed critical habitat (collectively, referred to as protected resources). However, the proposed project does not require a federal permit, federal review and/or authorization, or the use of federal funding to complete the project. Therefore, Section 7 consultation is not required for the proposed project.

A coordination letter was submitted to Ohio Department of Natural Resources (ODNR) Division of Wildlife (DOW) on February 21, 2014 seeking a review of the proposed project for potential impacts on threatened or endangered species. Correspondence received from ODNR, DOW indicates that if the proposed project contains suitable summer habitat for the Indiana bat, these trees should be conserved. If suitable habitat occurs in the project area and trees must be cut, cutting must occur between October 1 and March 31.

ODNR, DOW indicated that the project is within the range of the eastern hellbender (*Cryptobranchus alleganiensis alleganiensis*), an aquatic salamander preferring perennial stream channels. The perennial stream channel located within the Project area will be avoided. Due to the location of the project, and that no in-water work will occur, this project likely will not impact this species.

ODNR, DOW indicated that the project is within the range of the black bear (*Ursus americanus*) and the bobcat (*Lynx rufus*). Due to the mobility of these species, this project is not likely to impact these species.

All correspondence relating to threatened and endangered species from USFWS and ODNR, DOW can be found in Appendix E. An Endangered Species Review report can be found in Appendix F.

### **E(2) Areas of Ecological Concern**

**A description of the applicant's investigation concerning the presence or absence of areas of ecological concern (including national and state forests and parks, floodplains, wetlands, designated or proposed wilderness areas, national and state wild and scenic rivers, wildlife areas, wildlife refuges, wildlife management areas, and wildlife sanctuaries) that may be located within the areas likely to be disturbed by the project, a**

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### **statement of the findings of the investigation, and a copy of any document produced as a result of the investigation.**

Stantec conducted an environmental review of the area on behalf of BRM. There are no national and state parks, wetlands, designated or proposed wildlife areas, national and state wild and scenic rivers, wildlife areas, wildlife refuges, wildlife management areas, or wildlife sanctuaries located within the proposed Project area. USFWS and ODNR, DOW concurred with this determination (Appendix E).

The Federal Emergency Management Agency ("FEMA") Flood Insurance Rate Maps ("FIRM") were consulted to identify any flood hazard areas that have been mapped for the proposed Project Area. Specifically, map number 39111C0025C (effective August 19, 2010) mapped the area of the proposed Project. Based on this map the Project area is not within a mapped FEMA floodplain. No floodplain permits will be required for this Project. A copy of the FIRM map is included in Appendix A.

A review of the National Wetlands Inventory (NWI) indicates that no wetlands were identified within the proposed Project area. A field inspection confirmed this finding. A copy of the NWI map for the project area is included in Appendix F.

One perennial stream channel totaling 810 feet in length is located within the proposed Project area. The proposed Project will utilize an existing access road for equipment crossings, so no direct or temporary impacts to the stream channel are anticipated. No wetlands were located in the proposed Project area. An Environmental Features Inventory report can be found in Appendix F including stream data sheets. Representative photographs of the proposed transmission line project can be found in Appendix G.

### **E(3) Unusual Conditions**

#### **Any known additional information that will describe any unusual conditions resulting in significant environmental, social, health, or safety impacts.**

To the best of Blue Racer's knowledge, no unusual conditions exist that would result in significant environmental, social, health, or safety impacts.



## **LETTER OF NOTIFICATION**

Appendix A Project Maps  
May 1, 2014

### **Appendix A Project Maps**










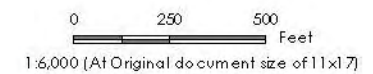


Legend

-  Pole Locations
-  Proposed 138kV Transmission Line
-  TL388 to Berne Pipeline
-  75' Access Road LOD
-  AEP Proposed Substation
-  Proposed Substation
-  Berne Residue Trap Pipeline
-  Cryogenic Facility
-  Project Area
-  Existing Road

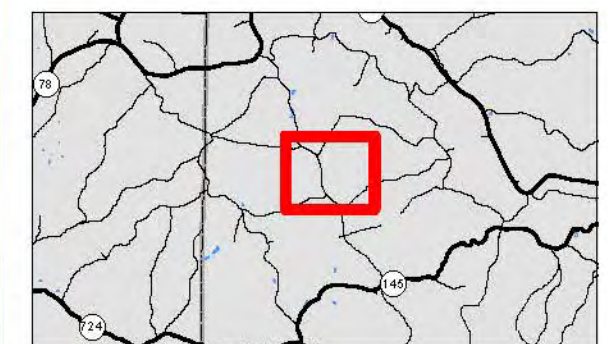
## NHD Hydrography

-  Perennial Stream
-  Intermittent Stream
-  Waterbody



## Notes

1. Coordinate System: NAD 1983 StatePlane Ohio South FIPS3402 Feet  
2. Base features provided by USGS, NHD, USDA, Statelec.



Project Location:	Prepared by	PM	on 2014.4.21
Monroe County, Ohio	Technical Review by	CP	on 2014.4.22
	Independent Review by	KC	on 2014.4.23

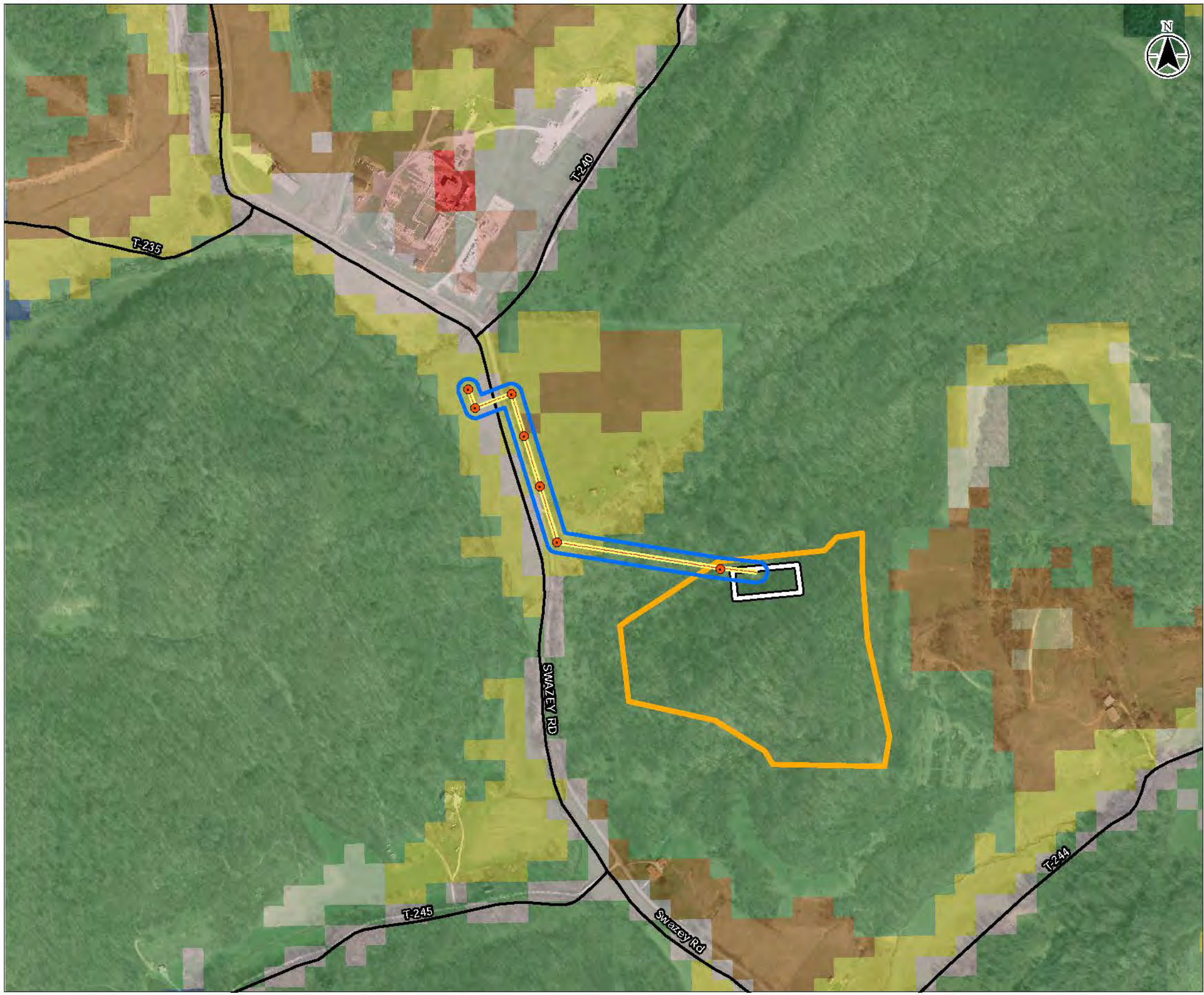
Client/Project  
South Central Power Co.  
Blue Racer 138 kV Transmission Line,  
Monroe County, OH

Figure No.  
2

Title  
Project Layout Map



V:\P23\Stantec\1014425\1014425.dwg 10/14/2014 10:17:01 By: kshou



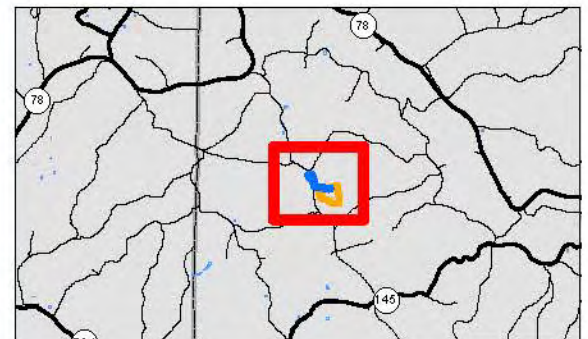
Legend

- Pole Locations
- Proposed 138kV Transmission Line
- AEP Proposed Substation
- Proposed Substation
- Cryogenic Facility
- Project Area
- Existing Road

Land Use		Evergreen Forest
Open Water		Mixed Forest
Developed, Open Space		Shrub/Scrub
Developed, Low Intensity		Herbaceous
Developed, Medium Intensity		Hay/Pasture
Developed, High Intensity		Cultivated Crops
Barren Land		Woody Wetlands
Deciduous Forest		Emergent Herbaceous Wetlands

0 250 500 Feet  
1:6,000 (At Original document size of 11x17)

- Notes
- Coordinate System: NAD 1983 StatePlane Ohio South FIPS 3402 Feet
  - Base features provided by USGS, USDA, Stantec.



Project Location: Monroe County, Ohio  
Prepared by: PM on 2014.4.21  
Technical Review by: CP on 2014.4.25  
Independent Review by: KC on 2014.4.25  
213610021

Client/Project  
South Central Power Co.  
Blue Racer 138 kV Transmission Line,  
Monroe County, OH

Figure No.  
3

Title  
Land Use Map



## **LETTER OF NOTIFICATION**

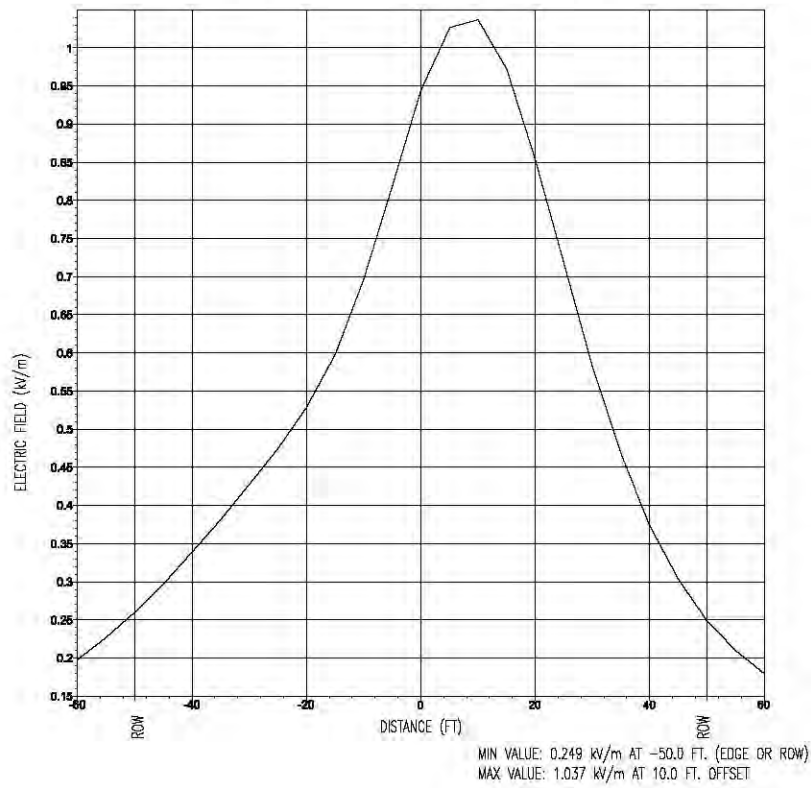
Appendix B Construction Plans  
May 1, 2014

### **Appendix B Construction Plans**

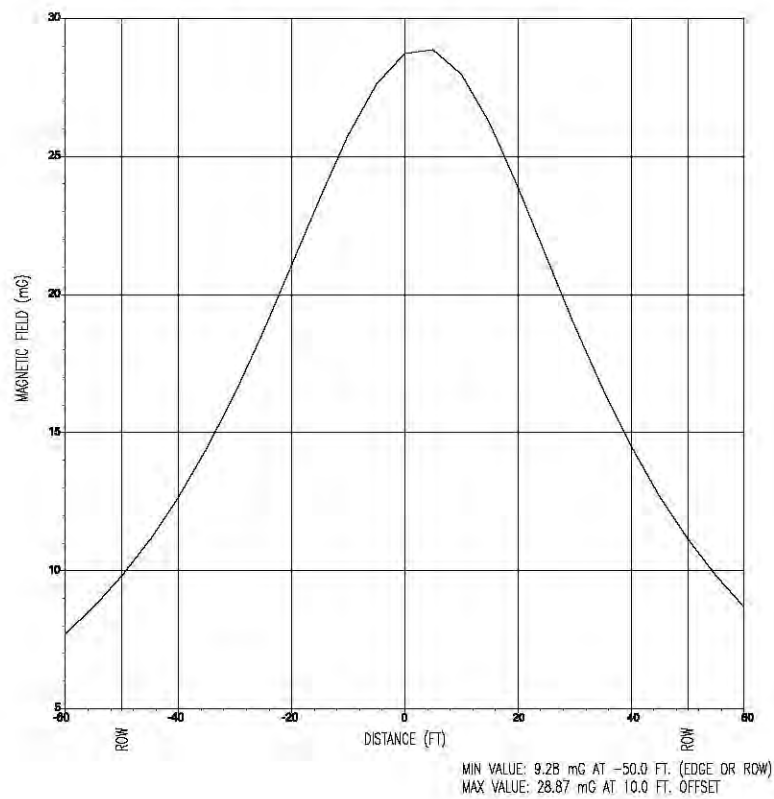


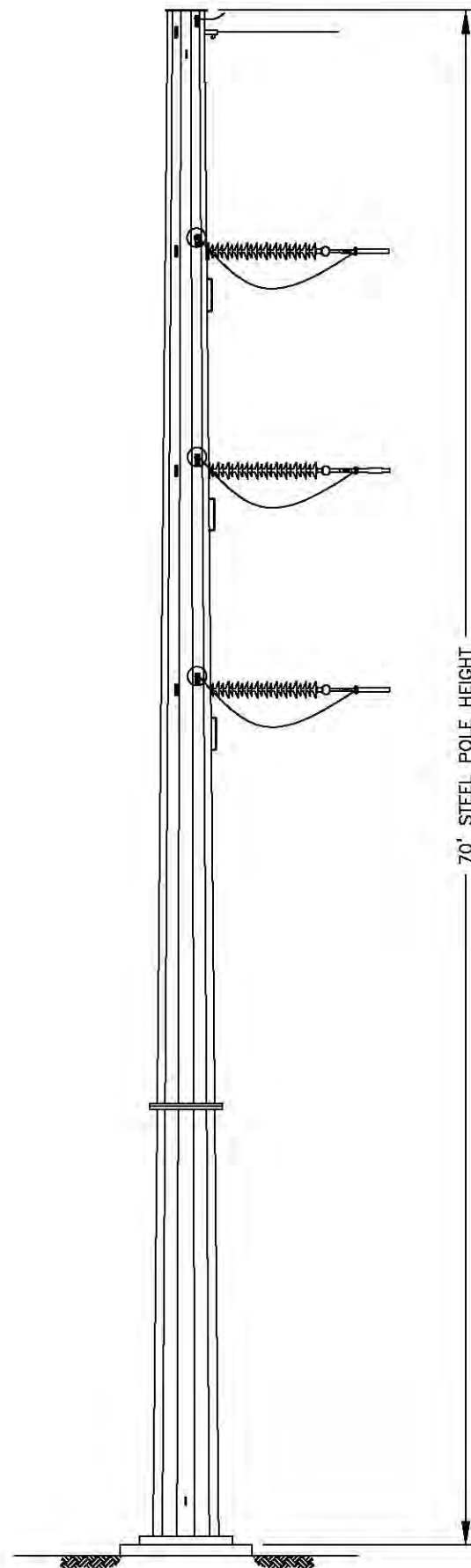
ARM-T-0101

## ELECTRIC FIELD

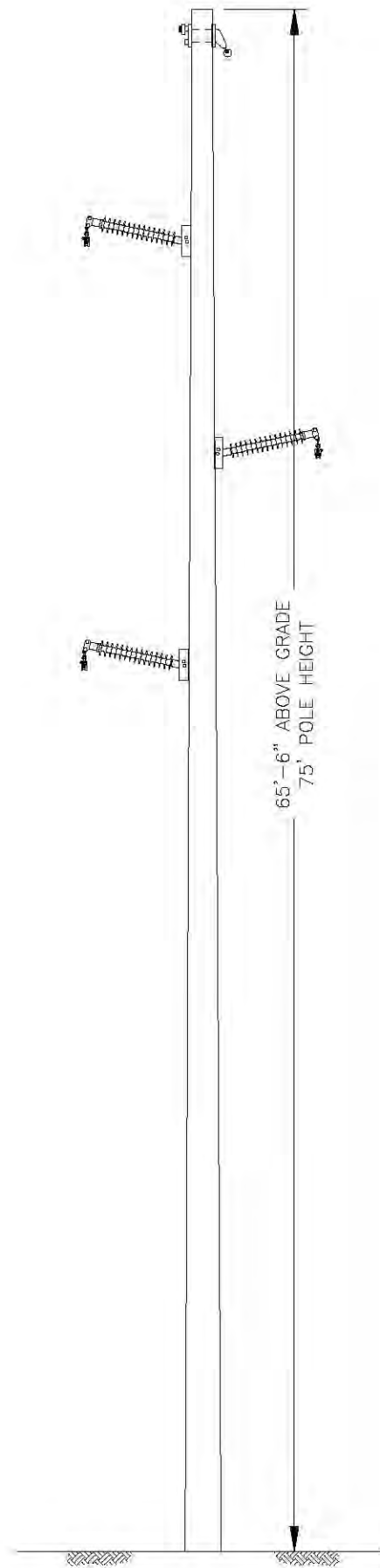


## MAGNETIC FIELD

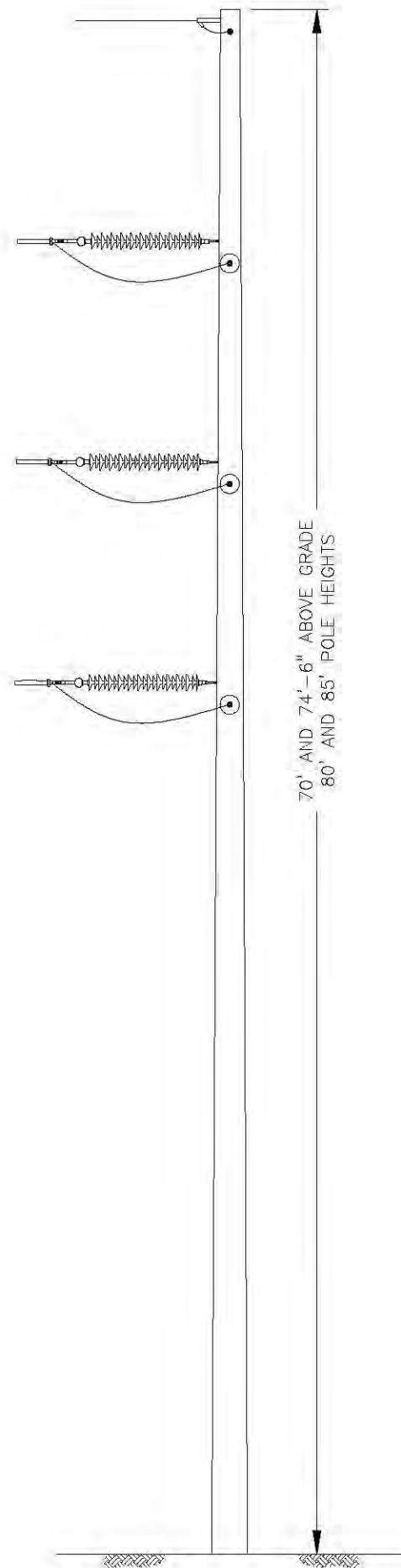




PROPOSED 138KV STEEL  
STRUCTURE



PROPOSED 138KV WOOD  
TANGENT (TP-138)



PROPOSED 138KV WOOD  
DEAD-END (TS-5A)



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

**Commission of Ohio Docketing Information System on**

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**in**

**Case No(s). 14-0750-EL-BLN**

Summary: Letter of Notification South Central Power Company Blue Racer 138kV Transmission Line Project on behalf of Blue Racer Midstream, LLC Part 1 of 5 electronically filed by Mrs. Kim D Carter on behalf of Wilson, Sean Mr. and Green, Steven Mr. and Leoni, Andrew Mr. and Melland, Kathleen Ms.