

421 West Main Street  
Post Office Box 634  
Frankfort, KY 40602-0634  
[502] 223-3477  
[502] 223-4124 Fax  
www.stites.com

August 28, 2013

**HAND DELIVERED**

Linda Faulkner  
Filings Director  
Public Service Commission of Kentucky  
211 Sower Boulevard  
P.O. Box 615  
Frankfort, Kentucky 40602-0615

Mark R. Overstreet  
(502) 209-1219  
(502) 223-4387 FAX  
moverstreet@stites.com

RECEIVED

AUG 28 2013

PUBLIC SERVICE  
COMMISSION

**RE: Case No. 2011-00295 (Bonnyman-Soft Shell Line)**

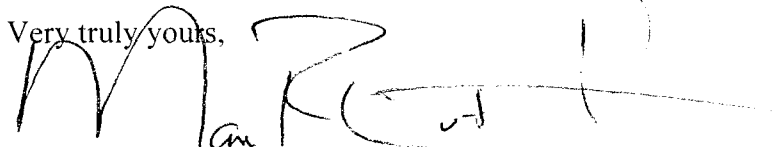
Dear Ms. Faulkner:

I apologize for the delay in providing you the requested material. Please find enclosed a copy of all permits issued to date in connection with the construction of the Bonnyman-Soft Shell transmission line. We will supplement this filing with any additional permits as they are received.

Construction has begun on the line. The Company anticipates that construction will be completed by approximately October 30, 2014.

Please do not hesitate to contact me if you have any further questions.

Very truly yours,



Mark R. Overstreet

MRO  
Enclosures



STEVEN L. BESHEAR  
GOVERNOR

ENERGY AND ENVIRONMENT CABINET  
DEPARTMENT FOR ENVIRONMENTAL PROTECTION  
DIVISION OF WATER  
200 FAIR OAKS LANE, 4TH FLOOR  
FRANKFORT, KENTUCKY 40601  
[www.kentucky.gov](http://www.kentucky.gov)

LEONARD K. PETERS  
SECRETARY

## STREAM CONSTRUCTION PERMIT

### For Construction In Or Along A Stream

Issued to: **American Electric Power - Kentucky Power Co**      Permit expires on  
Address: **1 Riverside Plaza**      **October 18, 2013**  
**Columbus, OH 43054**

Permit No.      **20010**

In accordance with KRS 151.250 and KRS 151.260, the Energy and Environment Cabinet approves the application dated **August 24, 2012** for **expansion of existing electric transmission substation, including removal of 6-12" of topsoil and placement of a 5"-layer of crushed limestone aggregate pad for installation of new electric transmission equipments, and modification of existing station fence and installation of a new gate in the left descending floodplain of North Fork Kentucky River at about stream mile 58.3, with coordinates 37.482895, -83.373058, 37.482895, -83.373058, in Breathitt County. AI: 116192**

There shall be no deviation from the plans and specifications submitted and hereby approved unless the proposed change shall first have been submitted to and approved in writing by the Cabinet. This approval is subject to the attached limitations. **Please read these limitations carefully!** If you are unable to adhere to these limitations for any reason, please contact this office prior to construction.

This permit is valid from the standpoint of stream obstruction only. Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits or licenses required by this Cabinet and other state, federal and local agencies. Specifically if the project involves work in a stream, such as bank stabilization, dredging, relocation, or in designated wetlands, a 401 Water Quality Certification from the Division of Water will be required.

This permit is nontransferable and is not valid unless actual construction of this authorized work is begun prior to the expiration date noted above. Any violation of the Water Resources Act of 1966 as amended is subject to penalties as set forth in KRS 151.990.

If you have any questions regarding this permit, please call Soheyl Bigdeli at (502) 564-3410.

Issued October 18, 2012.

**Todd Powers, P.E., Supervisor**  
Floodplain Management Section  
Surface Water Permit Branch

TAP/SB/nm

pc: Hazard Regional Office  
Chris Friley- Breathitt Co. Floodplain Coordinator  
John Van Hassel, P.E. (by email)  
File



**Stream Construction Permit**  
Kentucky Power Company - Haddix Station  
Facility Requirements  
Permit Number:20010  
Activity ID No.: APE20120001

Page 1 of 2

**ACTV0000000001 (Upgrading electric substation) Expansion of existing electric transmission substation, including removal of 6-12" of topsoil and placement of a 5"-layer of crushed limestone aggregate pad for installation of new electric transmission equipments, and modification of existing station fence and installation of a new gate in the left descending floodplain of North Fork Kentucky River at about stream mile 58.3, with coordinates 37.482895, -83.373058, in Breathitt County.:**

**Submittal/Action Requirements:**

---

Condition No.	Condition
S-1	Kentucky Power Company - dba American Electric Power must submit final construction report: Due within 90 days after completion of construction Kentucky Power Company - dba American Electric Power must notify in writing that the project has been completed in accordance with the approved plans and specifications. A Final Construction Report Form is enclosed. [401 KAR 4:060 Section 6]

**Narrative Requirements:**

---

Condition No.	Condition
T-1	The issuance of this permit by the cabinet does not convey any property rights of any kind or any exclusive privilege. [KRS 151.250 & 401 KAR 4:060]
T-2	This permit is issued from the standpoint of stream obstruction only and does not constitute certification of any other aspect of the proposed construction. The applicant is liable for any damage resulting from the construction, operation, or maintenance of this project. This permit has been issued under the provisions of KRS Chapter 151.250 and regulations promulgated pursuant thereto. Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits or licenses required by this Cabinet and other state, federal and local agencies. [KRS 151.250]
T-3	A copy of this permit must be available at the construction site. [KRS 151.250]
T-4	Any work performed by or for Kentucky Power Company - dba American Electric Power that does not fully conform to the submitted application or drawings and the limitations set forth in this permit, is subject to partial or total removal and enforcement actions pursuant to KRS 151.280 as directed by the Kentucky Department for Environmental Protection. [KRS 151.280]
T-5	Any design changes or amendments to the approved plans must be submitted to the Division of Water and approved in writing prior to implementation. [KRS 151.250]

**Stream Construction Permit**  
Kentucky Power Company - Haddix Station  
Facility Requirements  
Permit Number:20010  
Activity ID No.: APE20120001

Narrative Requirements:

---

Condition No.	Condition
T-6	Since Breathitt County participates in the National Flood Insurance Program, a local floodplain permit must be obtained prior to beginning of construction. Upon completion of construction Kentucky Power Company - dba American Electric Power must contact the local permitting agency for final approval of the construction for compliance with the requirements of the local floodplain ordinance. [401 KAR 4:060 Section 9(c)]
T-7	Flood damageable materials shall be kept above the elevation of 758.2 feet MSL. [401 KAR 4:060]
T-8	At no point shall the toe of the fill be located within 250 feet of the near top of bank of North Fork Kentucky River. [401 KAR 4:060 Section 5]
T-9	Erosion prevention measures, sediment control measures, and other site management practices shall be designed, installed, and maintained in an effective operating condition to prevent migration of sediment off site. [KRS 224.70-110]
T-10	To avoid secondary adverse impacts, all materials used shall be stable and inert, free from pollutants and floatable objects, and shall meet all appropriate engineering standards. (Inert here means materials that are not chemically reactive and that will not rot or decompose, such as soil, rock, broken concrete or similar materials.). [401 KAR 4:060 Section 7]
T-11	All debris and excess material shall be removed for disposal outside of the base floodplain. [401 KAR 4:060]
T-12	Construction other than as authorized by this permit shall require written approval from the Division of Water. [401 KAR 4:060]



STEVEN L. BESHEAR  
GOVERNOR

ENERGY AND ENVIRONMENT CABINET  
DEPARTMENT FOR ENVIRONMENTAL PROTECTION  
DIVISION OF WATER  
200 FAIR OAKS LANE, 4TH FLOOR  
FRANKFORT, KENTUCKY 40601  
[www.kentucky.gov](http://www.kentucky.gov)

LEONARD K. PETERS  
SECRETARY

## STREAM CONSTRUCTION PERMIT

### For Construction In Or Along A Stream

Issued to: **American Electric Power - KY Power Co.**  
Address: **1 Riverside Plaza**  
**Columbus , OH 43215**

Permit expires on  
**February 15, 2014**

Permit No. **20149**

In accordance with KRS 151.250 and KRS 151.260, the Energy and Environment Cabinet approves the application dated **December 26, 2012** for **grading and fill, expansion of existing station fencing, installation of new gates and modifications to station structures in the right descending floodplain of First Creek at about stream mile 2.0, with coordinates 37.290561, -83.236669, in Perry County.** AI: 115512

There shall be no deviation from the plans and specifications submitted and hereby approved unless the proposed change shall first have been submitted to and approved in writing by the Cabinet. This approval is subject to the attached limitations. **Please read these limitations carefully!** If you are unable to adhere to these limitations for any reason, please contact this office prior to construction.

This permit is valid from the standpoint of stream obstruction only. Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits or licenses required by this Cabinet and other state, federal and local agencies. Specifically if the project involves work in a stream, such as bank stabilization, dredging, relocation, or in designated wetlands, a 401 Water Quality Certification from the Division of Water will be required.

This permit is nontransferable and is not valid unless actual construction of this authorized work is begun prior to the expiration date noted above. Any violation of the Water Resources Act of 1966 as amended is subject to penalties as set forth in KRS 151.990.

If you have any questions regarding this permit, please call Kourosh Namin at (502) 564-3410.

Issued February 15, 2013.

**Todd Powers, P.E., Supervisor**  
Floodplain Management Section  
Surface Water Permit Branch

TAP/KN/nm

pc: Hazard Regional Office  
Derrick Bowling – Perry Co. Floodplain Coordinator  
Corey Cottrell, P.E. (by email)  
Alan Wood (by email)  
Leslie Thompson (by email)  
File

**Stream Construction Permit**  
Bonnyman-Softshell Transmission Line  
Facility Requirements  
Permit Number:20149  
Activity ID No.: APE20120003

**ACTV0000000003 (Fill) Grading and fill, expansion of existing station fencing, installation of new gates and modifications to station structures:**

**Submittal/Action Requirements:**

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Condition No.	Condition
S-1	KY Power Company- dba American Electric Power must submit final construction report: Due within 90 days after completion of construction KY Power Company- dba American Electric Power must notify in writing that the project has been completed in accordance with the approved plans and specifications. A Final Construction Report Form is enclosed. [401 KAR 4:060 Section 6]

**Narrative Requirements:**

---

Condition No.	Condition
T-1	This permit is issued from the standpoint of stream obstruction only and does not constitute certification of any other aspect of the proposed construction. The applicant is liable for any damage resulting from the construction, operation, or maintenance of this project. This permit has been issued under the provisions of KRS Chapter 151.250 and regulations promulgated pursuant thereto. Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits or licenses required by this Cabinet and other state, federal and local agencies. [KRS 151.250]
T-2	A copy of this permit must be available at the construction site. [KRS 151.250]
T-3	Any work performed by or for KY Power Company- dba American Electric Power that does not fully conform to the submitted application or drawings and the limitations set forth in this permit, is subject to partial or total removal and enforcement actions pursuant to KRS 151.280 as directed by the Kentucky Department for Environmental Protection. [KRS 151.280]
T-4	Any design changes or amendments to the approved plans must be submitted to the Division of Water and approved in writing prior to implementation. [KRS 151.250]
T-5	Since Perry County participates in the National Flood Insurance Program, a local floodplain permit must be obtained prior to beginning of construction. Upon completion of construction KY Power Company- dba American Electric Power must contact the local permitting agency for final approval of the construction for compliance with the requirements of the local floodplain ordinance. [401 KAR 4:060 Section 9(c)]
T-6	At no point shall fill be located closer to First Creek than the northwest edge of KY 267 running parallel to this site. [401 KAR 4:060 Section 5]
T-7	Permanent vegetation shall be established on fill as soon as possible upon completion of filling. [KRS 224.70-110]

**Stream Construction Permit**  
Bonnyman-Softshell Transmission Line  
Facility Requirements  
Permit Number:20149  
Activity ID No.: APE20120003

**ACTV0000000003 (continued):**

Narrative Requirements:

Condition No.	Condition
T-8	Fill slopes shall be no steeper than 2:1 (horizontal: vertical). Steeper slopes shall require a stability analysis. [401 KAR 4:060 Section (7)]
T-9	Erosion prevention measures, sediment control measures, and other site management practices shall be designed, installed, and maintained in an effective operating condition to prevent migration of sediment off site. [KRS 224.70-110]
T-10	To avoid secondary adverse impacts, all materials used shall be stable and inert, free from pollutants and floatable objects, and shall meet all appropriate engineering standards. (Inert here means materials that are not chemically reactive and that will not rot or decompose, such as soil, rock, broken concrete or similar materials.). [401 KAR 4:060 Section 7]
T-11	All debris and excess material shall be removed for disposal outside of the base floodplain. [401 KAR 4:060]
T-12	Upon completion of construction all disturbed areas shall be seeded and mulched or otherwise stabilized to prevent erosion. [401 KAR 4:060]
T-13	Construction other than as authorized by this permit shall require written approval from the Division of Water. [401 KAR 4:060]



**BREATHITT COUNTY LOCAL GOVERNMENT  
DEVELOPMENT PERMIT**

**NO.** 20010

***FOR THE PURPOSE OF  
FLOODPLAIN MANAGEMENT***

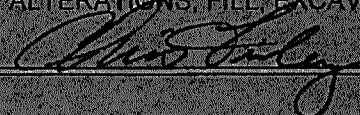
ISSUED TO: AMERICAN ELECTRIC POWER - KENTUCKY POWER CO

ADDRESS: 1 RIVERSIDE PLAZA, COLUMBUS, OHIO 43054

ACTIVITY: EXPANSION OF EXISTING SUBSTATION AT 37.482895 -83.373058

(NEW CONSTRUCTION, ALTERATIONS, FILL, EXCAVATION, ETC.)

ISSUED BY: CHRIS FRILEY / FLOODPLAIN COORDINATOR



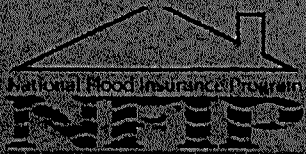
DATE: 11/2/12

THIS PERMIT MUST BE POSTED ON THE PREMISES IN A CONSPICUOUS PLACE SO AS TO BE SEEN FROM THE STREET ON WHICH THE STRUCTURE FACES. IT IS A MISDEMEANOR TO REMOVE OR DEFACE THIS POSTER WITHOUT AUTHORITY.

BFE: DNA

REQUIRED LOWEST FLOOR ELE: DNA

FLOOD VENTS REQUIRED: DNA





**TRANSPORTATION CABINET**

Department of Highways District 12 Office  
109 Loraine Street  
Pikeville, KY 41501  
(606) 433-7791

**Steven L. Beshear**  
Governor

**Michael W. Hancock, P.E.**  
Acting Secretary

February 18, 2013

**Kentucky Power Company**  
Attn: John Edwards  
P.O. box 2021  
Roanoke, VA 24022

**SUBJECT: Permit # 12-2013-00026**  
**Knott County; KY 80; MP 11.890**  
**SP-060-0080-000-020**

Mr. Edwards,

The Department of Highways has approved your application for an encroachment permit. We are returning two copies of the approved permit so you may keep one for your records. Please give the other copy to the party responsible for completing the project and advise them of this permit number so that they can apply it to their bond forms.

Please see that the work done is in strict conformity with the permit and any other applicable conditions (See Form TC99-21 and any other attached documents, conditions or specifications. The work being completed no later than August 31, 2013. When the permitted work and any necessary restoration are complete, please notify this office by using the enclosed form that will serve as notification for final inspection.

If you have any questions regarding this permit, please contact Gene Layne, Permit Engineer at (606) 433-7791, ext. 302 or you may fax us at (606) 433-7765.

Sincerely,

A handwritten signature in cursive script that reads "Gene Layne".

**Gene Layne**  
Permit Inspector

**GL:JMP**  
enclosures



An Equal Opportunity Employer M/F/D

# Kentucky Encroachment Permit Tracking

## Maintenance Division



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Welcome Judy Pafundal

**QUICK SEARCH**

Search Criteria:  Search Value:

[Map View](#) [Data View](#)

**PERMIT GENERAL INFORMATION**

Permit/Tracking #:	A12-2013-00026	Permit Status:	Approved	Status Date:	2/18/2013
District:	12 - Pikeville	<input type="text" value="Kentucky Power Company : Applicant"/>			
Filing Date:	2/6/2013	Address:	P.O. Box 2021 Roanoke, VA 24022	Phone:	(540)562-7063
Cancel Date:				Email:	fvhogrefe@aep.com
Completion Date:		<input checked="" type="checkbox"/> Company <a href="#">Maintain Contacts</a>			
Permit Type:	Utilities				
Permit Subtype:	Electric				

<a href="#">Application</a>	<a href="#">Correspondence</a>	<a href="#">Attachments</a>	<a href="#">Routing</a>	<a href="#">Comments</a>	<a href="#">Locations/Inspections</a>	<a href="#">Indemnity</a>	<a href="#">Approvals</a>
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**LOCATION DATA**

Description: Perry County line to Floyd County line

County: Knott

Route: KY 80

BMP/EMP: 11.890 / 11.890

Lat/Long Set

**MOST RECENT INSPECTION**

There are no inspections for this location.

Activity: New Install

Location: Overhead

Contract Agr #:

Description: Install three overhead crossings

[View/Print Permit](#)

[View on Map](#) [Create Permit](#) [Edit Permit](#) [Exit](#)

v1.1.4763.16160



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 200 Mero Street, Frankfort, KY 40622  
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Kentucky Transportation Cabinet  
Department of Highways  
Permits Branch

TC 99-1 (B)  
1/2012  
Page 1 of 1

**ENCROACHMENT PERMIT**

**KEPTS No.:** A12-2013-00026

**Permittee:** Kentucky Power Company

**Latitude:** 37.399579

**Longitude:** -82.956988

**Completion Date:**

Coordinates provided on the TC 99-1(B) are the approved location for this permit

Indemnities		
Type	Amount Required	Tracking Number
Performance Bond	0	
Payment Bond		
Liability Insurance		

**This permit has been:**

**APPROVED**  **DENIED**

Greg Couch

NAME	TITLE
Greg Couch	2/15/2013

SIGNATURE	DATE

The TC 99-1(B), including the application TC-99 1(A) and all related and accompanying documents and drawings make up the permit. It is not a permit unless both the TC 99-1(A) and TC 99-1(B) are both present



Kentucky Transportation Cabinet  
Department of Highways  
Permits Branch

TC 99-1 (A)  
8/2012  
Page 1 of 4

APPLICATION FOR ENCROACHMENT PERMIT

T12-2013-00026

<b>Permittee Information</b>		KYTC No.		
Name	Kentucky Power Company	<b>Permit Information</b>		
Address	PO Box 2021	Address		
		City		
City	Roanoke	State	Zip	
State	VA	Zip	24022	
Phone#	540 562-7118	County	Knott County	
Contact	John Edwards	Route No.	KY-80	Mile-Point 0 - 12
Phone	540 562-7118 Cell	Longitude (X)		
Email	jdedwards@aep.com	Latitude (Y)		
Contact	Fred Hogrefe	<b>Information below to be filled out by KYTC</b>		
Phone	540 562-7063 Cell	<input type="checkbox"/> Air Right	<input type="checkbox"/> Entrance	
Email	fvhogrefe@aep.com	<input type="checkbox"/> Utilities	<input type="checkbox"/> Other: _____	
		<input type="checkbox"/> Left	<input type="checkbox"/> Right	<input type="checkbox"/> X-ing
		Access: <input type="checkbox"/> Full	<input type="checkbox"/> Partial	<input type="checkbox"/> by Permit

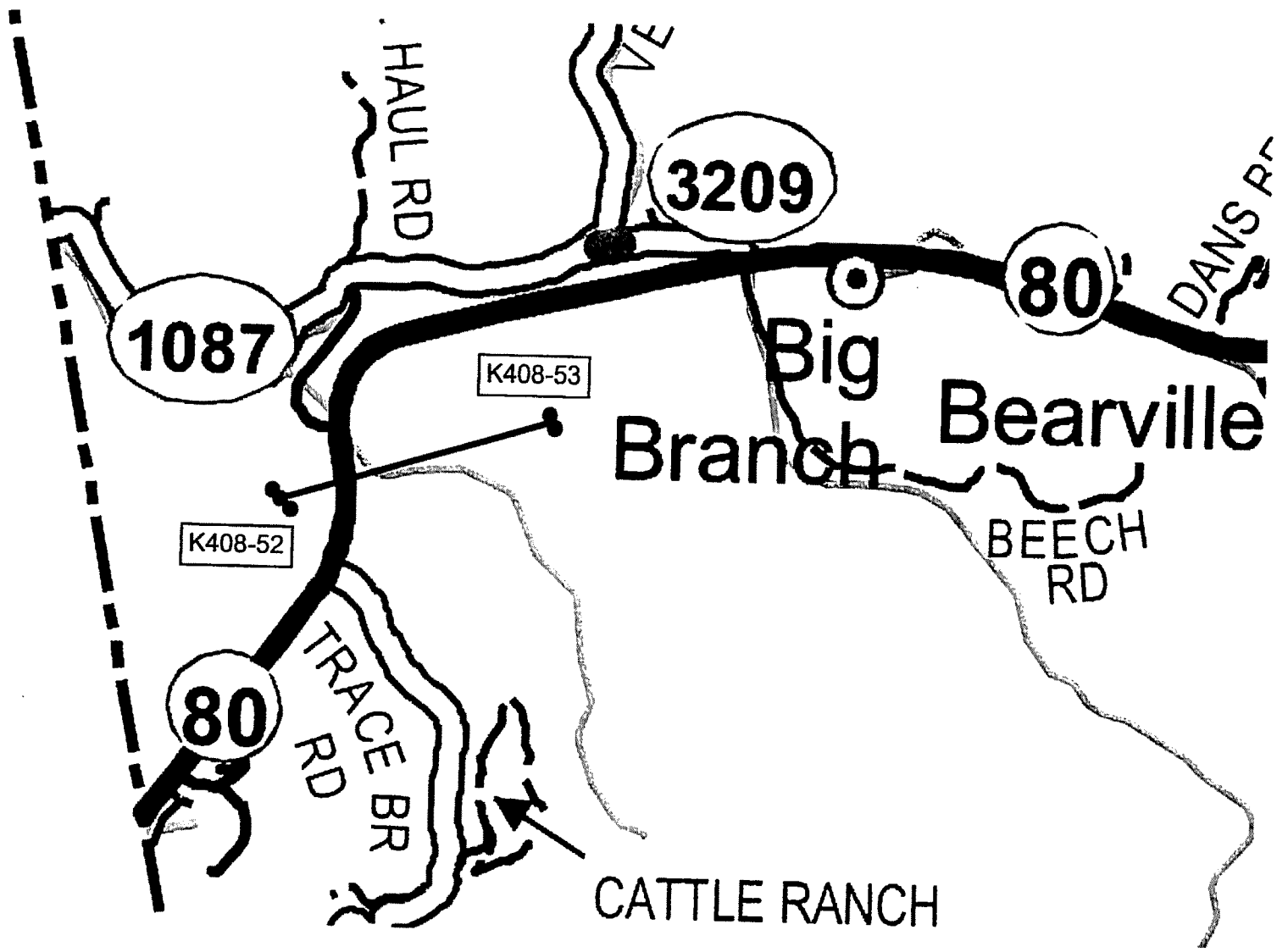
General Description of Work:

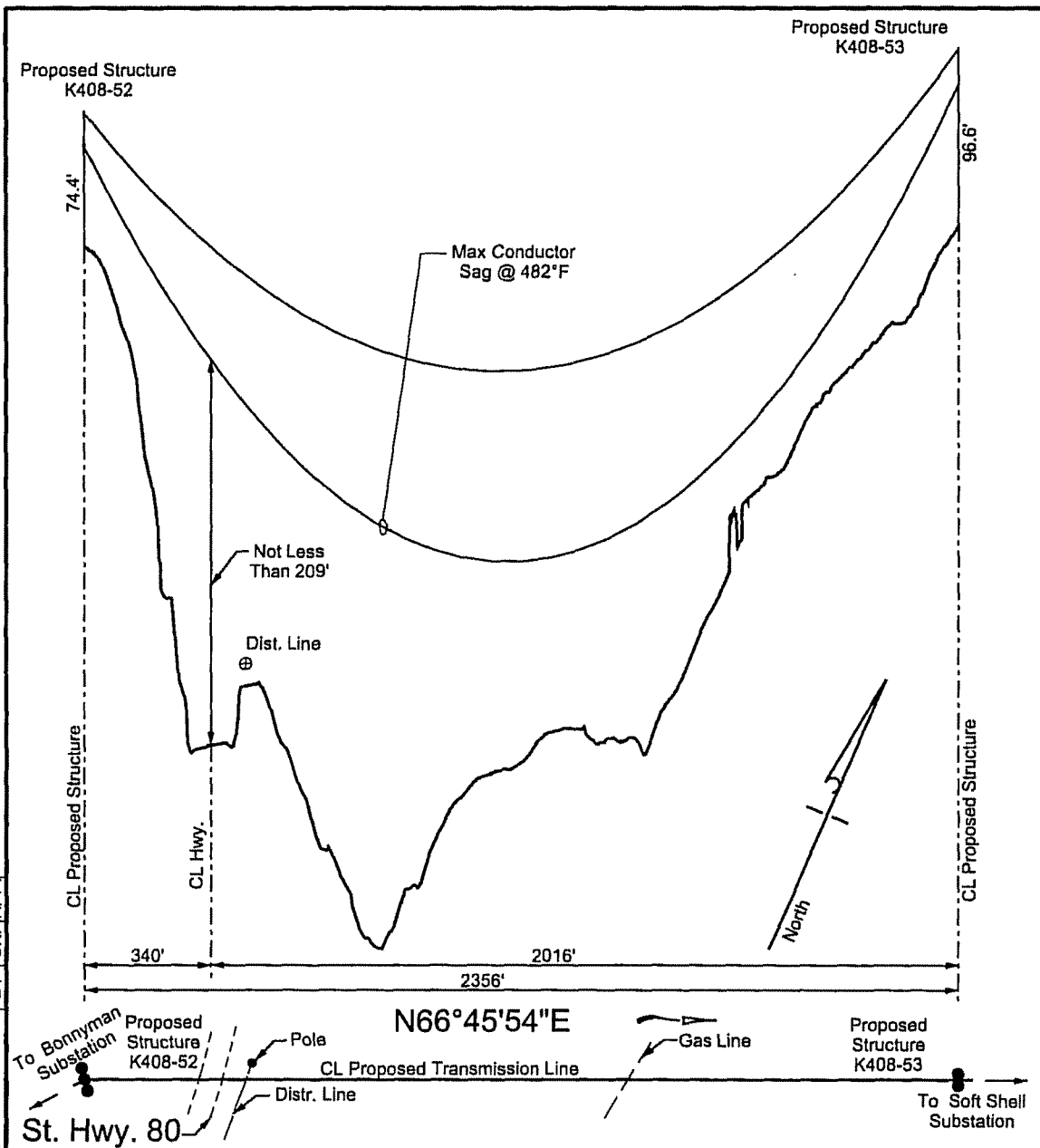
Install over head transmission line from ridge to ridge over highway. We will cross this highway at three locations in Knott County. 80 has a 209' minimum clearance over road.

THE UNDERSIGNED PERMITTEE(S) (being duly authorized representative(s) or owner(s)) DO AGREE TO ALL TERMS AND CONDITIONS ON THE TC 99-1 (A).

Signature FV Hogrefe Date 1/31/2013

This is not a permit unless and until the permittee(s) receives an approved TC 99-1(B) from KYTC. This application will become void if not approved by the cancellation date. The cancellation date will be one year from the date the permittee submits their application.





NO.	DATE	REVISIONS	BY	CK.	APP.

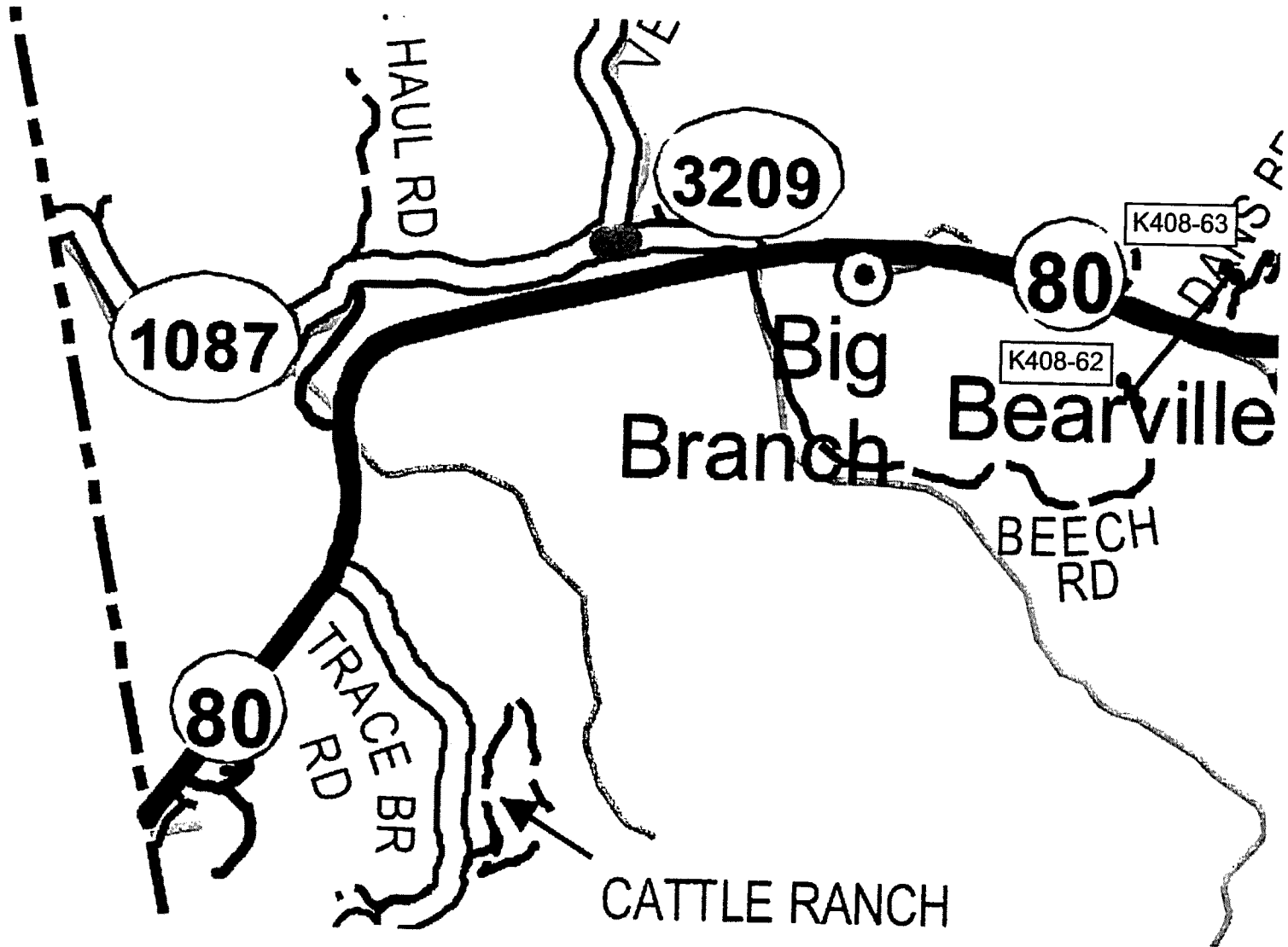
**KENTUCKY POWER COMPANY**

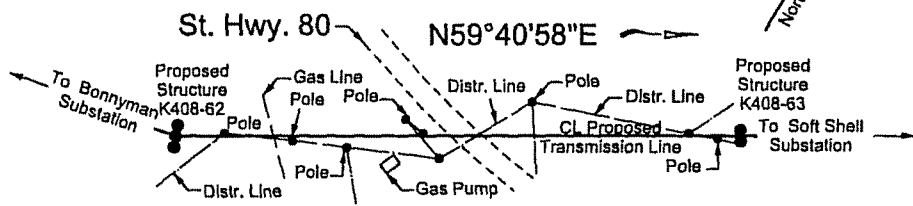
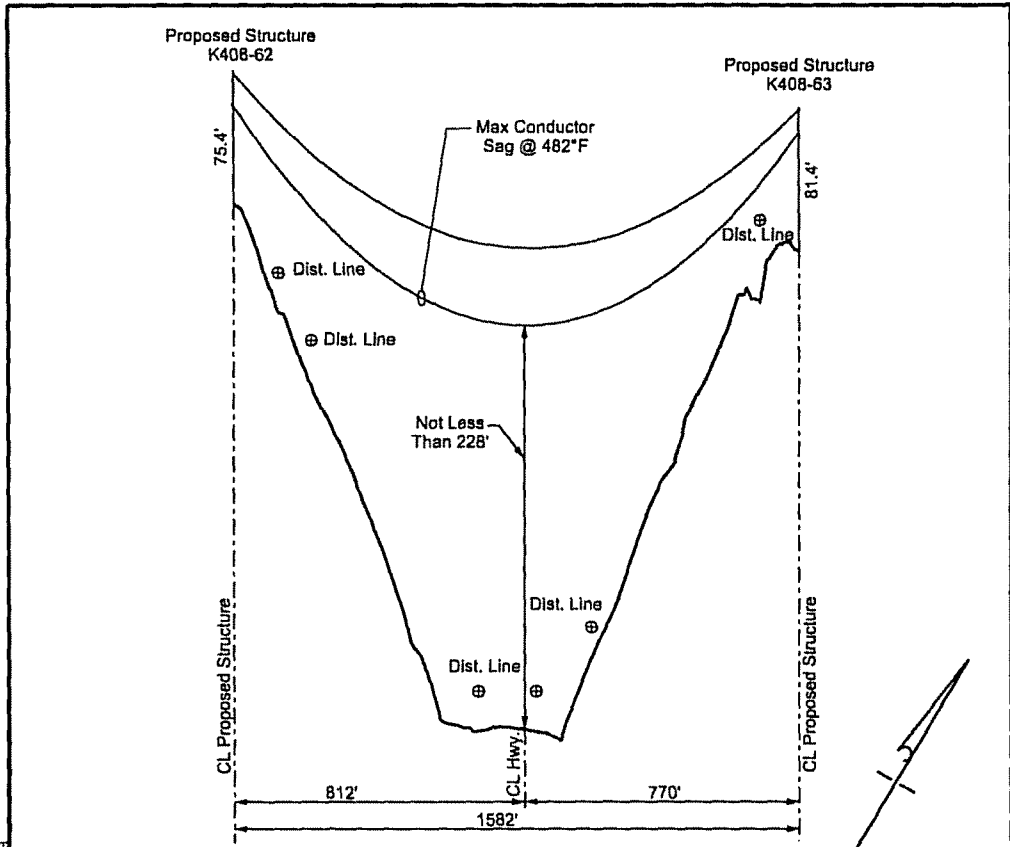
BONNYMAN - SOFT SHELL 138kV LINE  
PROPOSED TRANSMISSION LINE CROSSING OVER  
**STATE HIGHWAY 80**

KNOTT COUNTY KENTUCKY

POWER ENGINEERS

DRAWN: DWV	APPROVED BY
TR/CK BY JAH	
ENGG CK EJC	
DATE: 10-31-12	DWG NO <b>Z-3778</b>
SCALE: HOR. 1" - 400' VER. 1" - 80'	





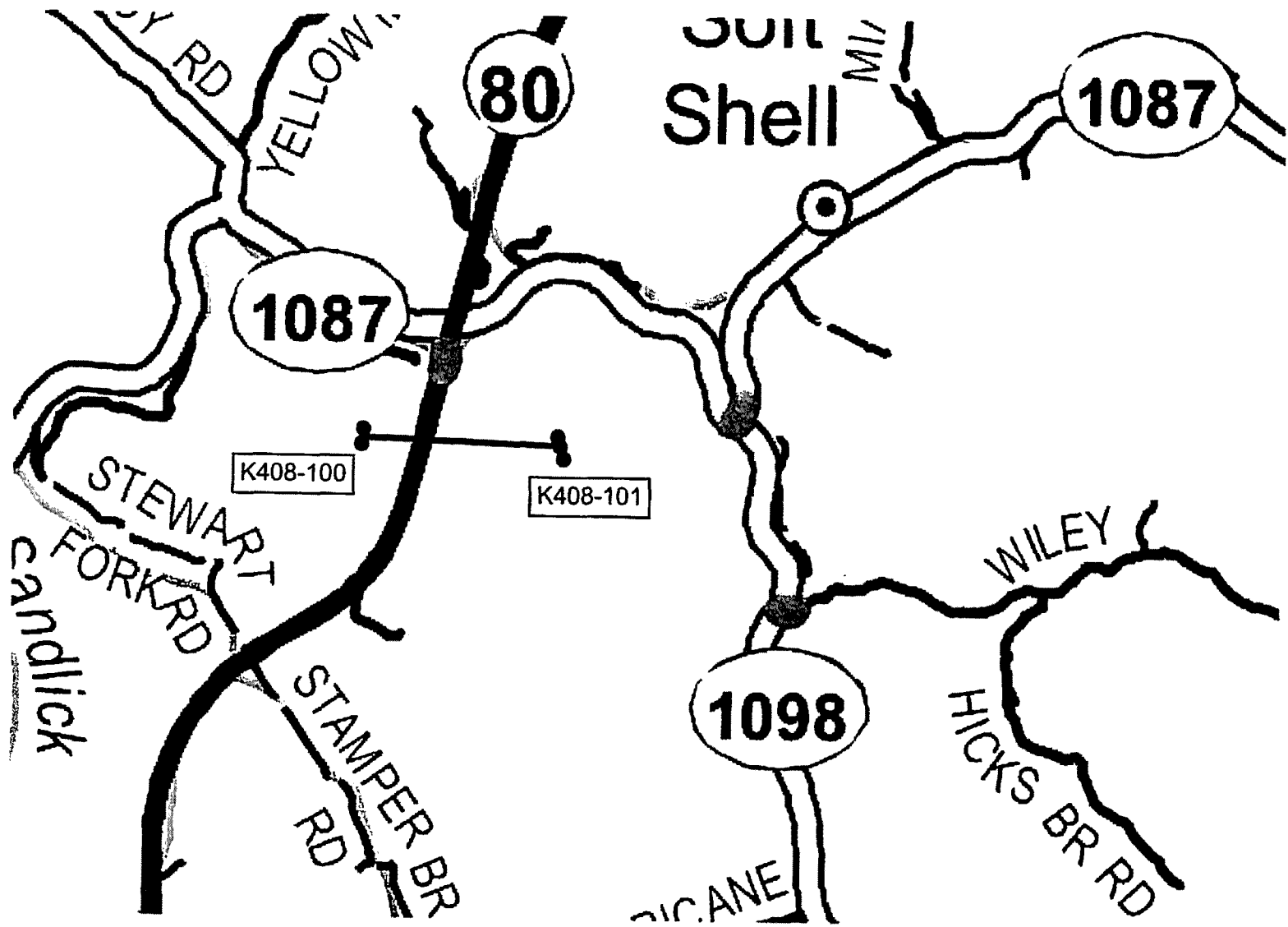
NO.	DATE	REVISIONS	BY	CK.	APP.

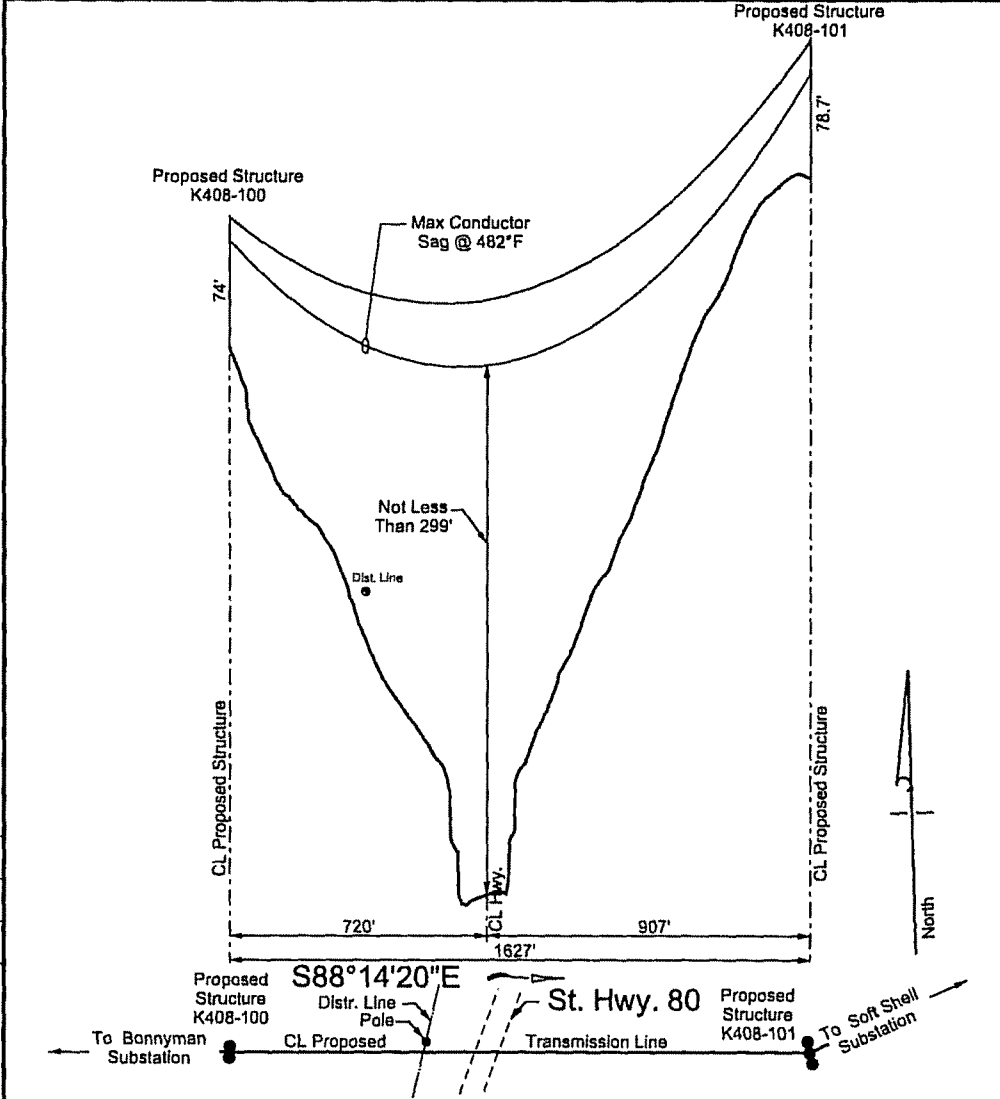
**KENTUCKY POWER COMPANY**  
 BONNYMAN - SOFT SHELL 138KV LINE  
 PROPOSED TRANSMISSION LINE CROSSING OVER  
 STATE HIGHWAY 80

KNOTT COUNTY KENTUCKY

POWER ENGINEERS

DRAWN: DVW	APPROVED
TR/CK BY JAH	BY
ENGG CK EJC	
DATE: 10-31-12	DWG NO
SCALE: HOR. 1" = 400' VER. 1" = 80'	<b>Z-3780</b>





REVISIONS		BY	CHK.	APP.
NO.	DATE			

**KENTUCKY POWER COMPANY**

BONNYMAN - SOFT SHELL 138kV LINE  
PROPOSED TRANSMISSION LINE CROSSING OVER  
STATE HIGHWAY 80

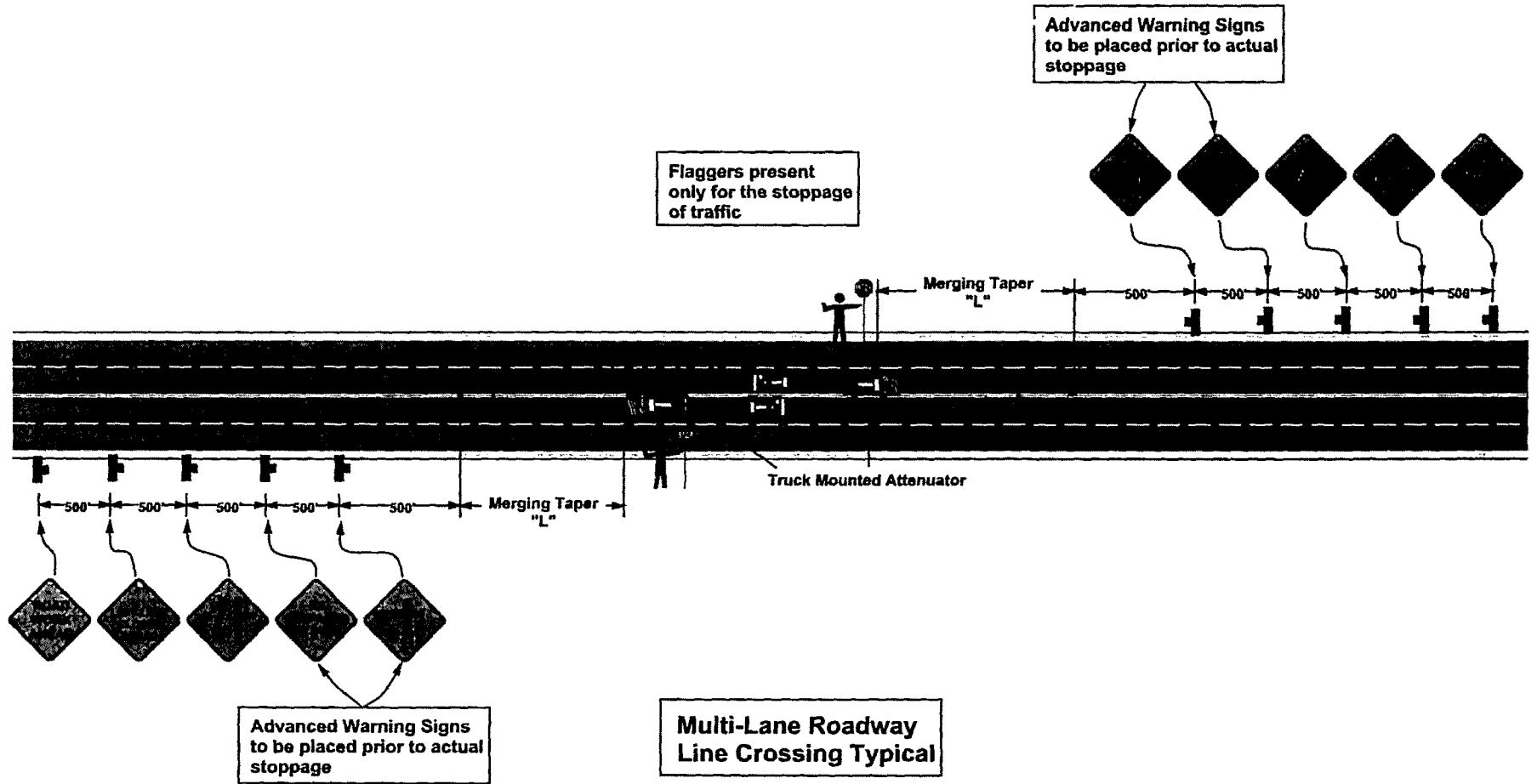
KNOTT COUNTY KENTUCKY

POWER ENGINEERS

DRAWN: DVW	APPROVED BY
TR/CK BY JAH	
ENGG CK EJC	
DATE: 10-31-12	DWG NO
SCALE: HOR. 1" = 400' VER. 1" = 80'	<b>Z-3783</b>



**Legend**  
▲ ▲ Cones







**TRANSPORTATION CABINET**

Department of Highways District 12 Office  
109 Loraine Street  
Pikeville, KY 41501  
(606) 433-7791

**Steven L. Beshear**  
Governor

**Michael W. Hancock, P.E.**  
Secretary

February 18, 2013

**Kentucky Power Company**  
Attn: John Edwards  
P.O. box 2021  
Roanoke, VA 24022

**SUBJECT: Permit # 12-2013-00027**  
**Knott County; KY 1087; MP 14.400**

Mr. Edwards,

The Department of Highways has approved your application for an encroachment permit. We are returning two copies of the approved permit so you may keep one for your records. Please give the other copy to the party responsible for completing the project and advise them of this permit number so that they can apply it to their bond forms.

Please see that the work done is in strict conformity with the permit and any other applicable conditions (See Form TC99-21 and any other attached documents, conditions or specifications. The work being completed no later than August 31, 2013. When the permitted work and any necessary restoration are complete, please notify this office by using the enclosed form that will serve as notification for final inspection.

If you have any questions regarding this permit, please contact Gene Layne, Permit Engineer at (606) 433-7791, ext. 302 or you may fax us at (606) 433-7765.

Sincerely,

A handwritten signature in cursive script that reads "Gene Layne".

**Gene Layne**  
Permit Inspector

GL:JMP  
enclosures



# Kentucky Encroachment Permit Tracking

Maintenance Division



Home Permits Search+ User Guide Reports+

Welcome Judy Pafundal

**QUICK SEARCH**

Search Criteria:  Search Value:

[Map View](#) [Data View](#)

**PERMIT GENERAL INFORMATION**

Permit/Tracking #: A12-2013-00027 Permit Status: Approved Status Date: 2/18/2013

District: 12 - Pikeville

Filing Date: 2/6/2013

Cancel Date:

Completion Date:

Permit Type: Utilities

Permit Subtype: Electric

**Kentucky Power Company : Applicant**

Address: P. O. Box 2021 Roanoke, VA 24022 Phone: (540)562-7118 Email: jdedwards@aep.com

Company [Maintain Contacts](#)

Application	Correspondence	Attachments	Routing	Comments	Locations/Inspections	Indemnity	Approvals
<p><b>LOCATION DATA</b></p> <p>Description: 2.5 tenths drom ky 1088</p> <p>County: Knott</p> <p>Route: KY 1087</p> <p>BMP/EMP: 14.400 / 14.400</p> <p><input checked="" type="checkbox"/> Lat/Long Set</p> <p><b>MOST RECENT INSPECTION</b></p> <p>There are no inspections for this location.</p> <p>Activity: New Install</p> <p>Location: Overhead</p> <p>Contract Agr #:</p> <p>Description: Install overhead crossing</p> <p><a href="#">View/Print Permit</a></p>							

[View on Map](#) [Create Permit](#) [Edit Permit](#) [Exit](#)

v1.1.4763.16160



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Kentucky Transportation Cabinet  
Department of Highways  
Permits Branch

TC 99-1 (B)  
1/2012  
Page 1 of 1

**ENCROACHMENT PERMIT**

**KEPTS No.:** A12-2013-00027

**Permittee:** Kentucky Power Company

**Latitude:** 37.398548

**Longitude:** -82.948707

**Completion Date:**

Coordinates provided on the TC 99-1(B) are the approved location for this permit

Indemnities		
Type	Amount Required	Tracking Number
Performance Bond	0	
Payment Bond		
Liability Insurance		

**This permit has been:**

**APPROVED**

**DENIED**

Greg Couch

NAME	TITLE
Greg Couch	2/15/2013
SIGNATURE	DATE

The TC 99-1(B), including the application TC-99 1(A) and all related and accompanying documents and drawings make up the permit. It is not a permit unless both the TC 99-1(A) and TC 99-1(B) are both present



Kentucky Transportation Cabinet  
 Department of Highways  
 Permits Branch

TC 99-1 (A)  
 8/2012  
 Page 1 of 4

APPLICATION FOR ENCROACHMENT PERMIT *712-2013-00027*

<b>Permittee Information</b>		KYTC No. <span style="border: 1px solid black; display: inline-block; width: 100px; height: 15px;"></span>	
Name	Kentucky Power Company	<b>Permit Information</b>	
Address	PO Box 2021	Address	
		City	
City	Roanoke	State	Zip
State	VA	Zip	24022
Phone#	540 562-7118	County	Knott County
Contact	John Edwards	Route No.	KY-1087
Phone	540 562-7118	Mile-Point	<del>14.5</del> 14.4
Email	jdedwards@aep.com	Longitude (X)	
Contact	Fred Hogrefe	Latitude (Y)	
Phone	540 562-7063	<i>Information below to be filled out by KYTC</i>	
Email	fvhogrefe@aep.com	<input type="checkbox"/> Air Right	<input type="checkbox"/> Entrance
		<input type="checkbox"/> Utilities	<input type="checkbox"/> Other: _____
		<input type="checkbox"/> Left	<input type="checkbox"/> Right
		<input type="checkbox"/> Full	<input type="checkbox"/> Partial
			<input type="checkbox"/> X-ing
		Access: <input type="checkbox"/> Full <input type="checkbox"/> Partial <input type="checkbox"/> by Permit	

**General Description of Work:**

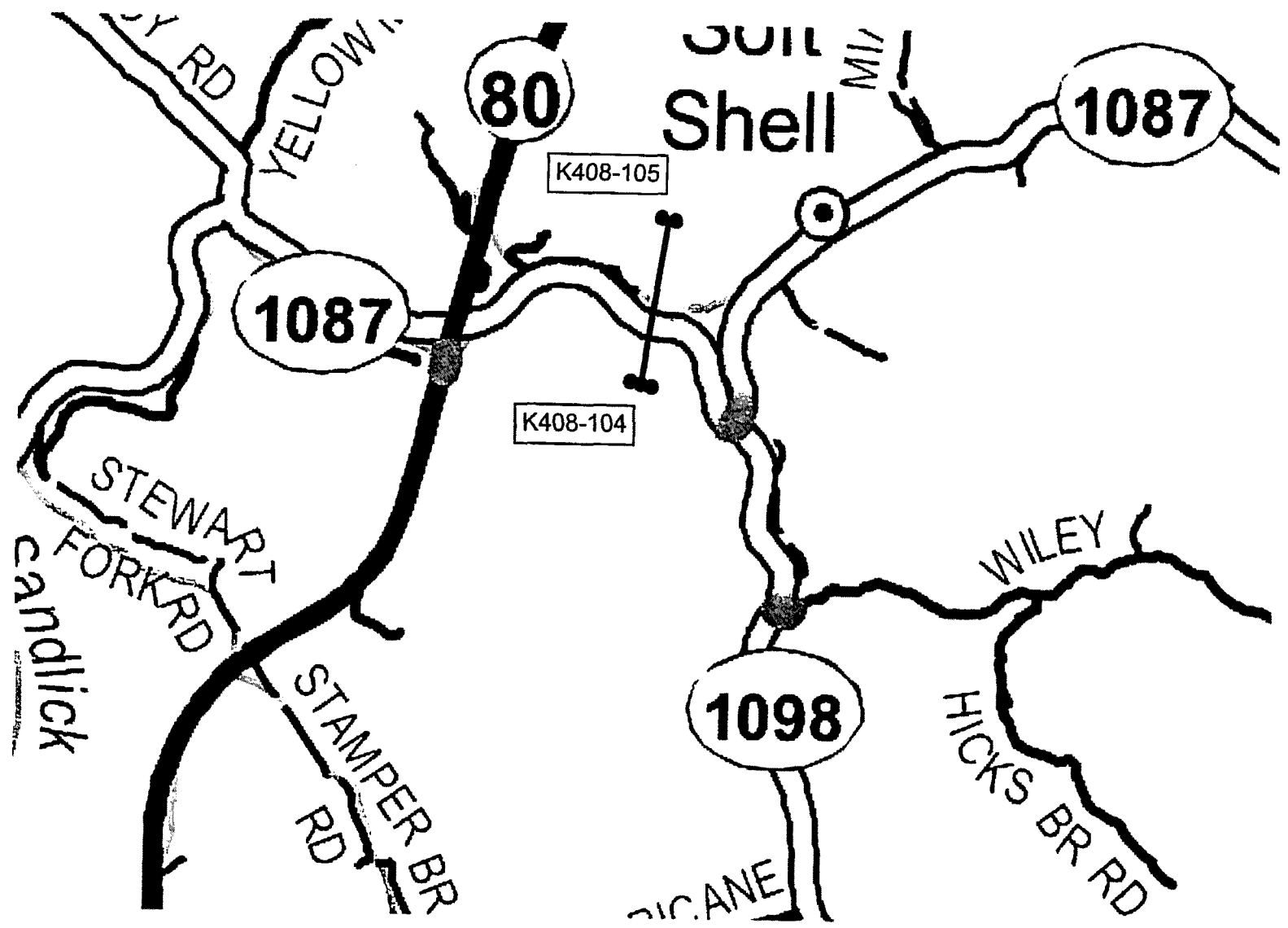
Install over head transmission line from ridge to ridge over highway. Highway 1087 has a 160' minimum clearance over road.

THE UNDERSIGNED PERMITTEE(S) (being duly authorized representative(s) or owner(s)) DO AGREE TO ALL TERMS AND CONDITIONS ON THE TC 99-1 (A).

*FV Hogrefe*  
 Signature

*1/31/2017*  
 Date

This is not a permit unless and until the permittee(s) receives an approved TC 99-1(B) from KYTC. This application will become void if not approved by the cancellation date. The cancellation date will be one year from the date the permittee submits their application.

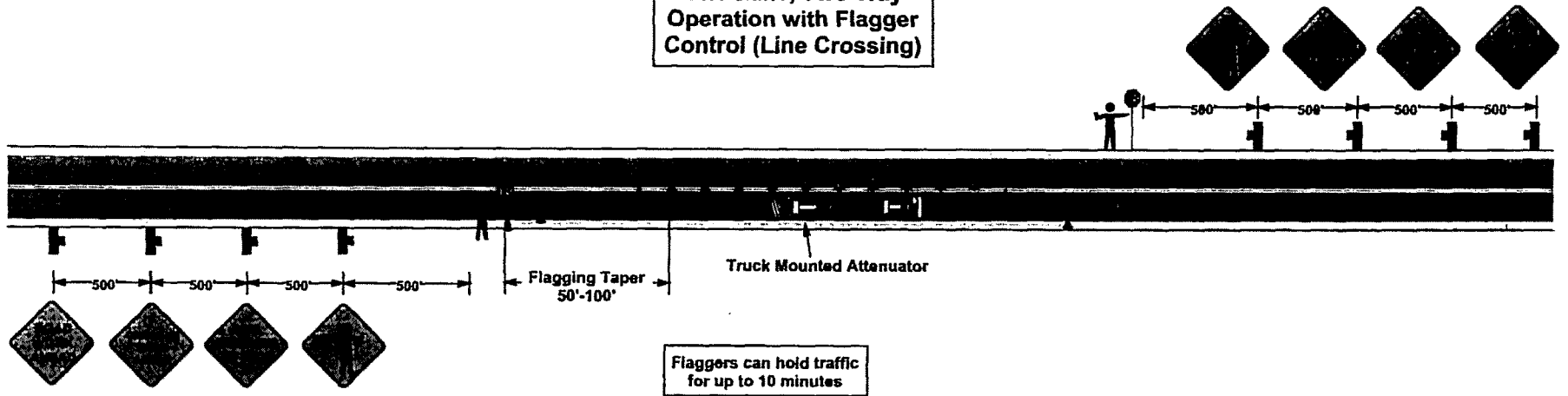






Legend  
▲ ▲ Cones

**One-Lane, Two-Way  
Operation with Flagger  
Control (Line Crossing)**



**Kentucky Transportation Cabinet  
Permit Inspection Status Report**

**NOTICE OF COMPLETION**

**Please return this form to the District Office when work is completed as permitted and ready for final inspection.**

---

**APPLICANT IDENTIFICATION**

Name: KENTUCKY POWER COMPANY

Contact Person: JOHN EDWARDS

Address: P.O. BOX 2021

City: ROANOKE

State: VA

ZIP: 24022

Telephone: 540-562-7063

**PROJECT IDENTIFICATION**

PERMIT #: 12-2013-00027

County: KNOTT COUNTY

Route: KY 1087

Road:

Milepost: 14.400

I wish to notify the Department of Highways that the above mentioned permit work and any necessary right-of-way restoration have be completed and are ready for final inspection.

---

**APPLICANT SIGNATURE**

---

**Please return form to:**      **Department of Highways  
Permits Division  
109 Loraine Street  
Pikeville, KY 41502**



**TRANSPORTATION CABINET**

Department of Highways District 12 Office  
109 Loraine Street  
Pikeville, KY 41501  
(606) 433-7791

**Steven L. Beshear**  
Governor

**Michael W. Hancock, P.E.**  
Secretary

February 18, 2013

**Kentucky Power Company**  
**Attn: John Edwards**  
**P.O. box 2021**  
**Roanoke, VA 24022**

**SUBJECT: Permit # 12-2013-00028**  
**Knott County; KY 160; MP 14.601**

Mr. Edwards,

The Department of Highways has approved your application for an encroachment permit. We are returning two copies of the approved permit so you may keep one for your records. Please give the other copy to the party responsible for completing the project and advise them of this permit number so that they can apply it to their bond forms.

Please see that the work done is in strict conformity with the permit and any other applicable conditions (See Form TC99-21 and any other attached documents, conditions or specifications. The work being completed no later than August 31, 2013. When the permitted work and any necessary restoration are complete, please notify this office by using the enclosed form that will serve as notification for final inspection.

If you have any questions regarding this permit, please contact Gene Layne, Permit Engineer at (606) 433-7791, ext. 302 or you may fax us at (606) 433-7765.

Sincerely,

A handwritten signature in cursive script that reads "Gene Layne".

**Gene Layne**  
**Permit Inspector**

GL:jMP  
enclosures



An Equal Opportunity Employer M/F/D



Kentucky Transportation Cabinet  
Department of Highways  
Permits Branch

TC 99-1 (B)  
1/2012  
Page 1 of 1

**ENCROACHMENT PERMIT**

**KEPTS No.:** A12-2013-00028

**Permittee:** Kentucky Power Company

**Latitude:** 37.382068

**Longitude:** -83.002841

**Completion Date:**

Coordinates provided on the TC 99-1(B) are the approved location for this permit

Indemnities		
Type	Amount Required	Tracking Number
Performance Bond	0	
Payment Bond		
Liability Insurance		

**This permit has been:**

**APPROVED**

**DENIED**

Greg Couch

NAME	TITLE
Greg Couch	2/15/2013

SIGNATURE	DATE

The TC 99-1(B), including the application TC-99 1(A) and all related and accompanying documents and drawings make up the permit. It is not a permit unless both the TC 99-1(A) and TC 99-1(B) are both present

# Kentucky Encroachment Permit Tracking

Maintenance Division



Home Permits Search+ User Guide Reports+

Welcome Judy Pafundal

**QUICK SEARCH**

Search Criteria:  Search Value:

[Map View](#) [Data View](#)

**PERMIT GENERAL INFORMATION**

Permit/Tracking #: A12-2013-00028 Permit Status: Approved Status Date: 2/18/2013

District: 12 - Pikeville

Filing Date: 2/6/2013

Cancel Date:

Completion Date:

Permit Type: Utilities

Permit Subtype: Electric

**Kentucky Power Company : Applicant**

Address: P. O. Box 2021 Phone: (540)562-7063  
Roanoke, VA 24022 Email: jdedwards@aep.com

Company [Maintain Contacts](#)

[Application](#) [Correspondence](#) [Attachments](#) [Routing](#) [Comments](#) [Locations/Inspections](#) [Indemnity](#) [Approvals](#)

**LOCATION DATA**

Description: Three tenths of mile from Sallie Branch

County: Knott

Route: KY 160

BMP/EMP: 14.601 / 14.601

Lat/Long Set

**MOST RECENT INSPECTION**

There are no inspections for this location.

Activity: New Install

Location: Overhead

Contract Agr #:

Description:

Install overhead crossing

[View/Print Permit](#)

[View on Map](#) [Create Permit](#) [Edit Permit](#) [Exit](#)

v1.1.4763.16160



Kentucky Transportation Cabinet  
 200 Mero Street, Frankfort, KY 40622  
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Kentucky Transportation Cabinet  
 Department of Highways  
 Permits Branch

TC 99-1 (A)  
 8/2012  
 Page 1 of 4

APPLICATION FOR ENCROACHMENT PERMIT *712-2013-00028*

<b>Permittee Information</b>				KYTC No.		
Name	Kentucky Power Company			<b>Permit Information</b>		
Address	PO Box 2021			Address		
				City		
City	Roanoke			State	Zip	
State	VA	Zip	24022	County	Knott County	
Phone#	540 562-7118			Route No.	KY-160	Mile-Point <del>14.5</del> 14.6
Contact	John Edwards			Longitude (X)		
Phone	540 562-7118	Cell		Latitude (Y)		
Email	jdedwards@aep.com			<i>Information below to be filled out by KYTC</i>		
Contact	Fred Hogrefe			<input type="checkbox"/> Air Right	<input type="checkbox"/> Entrance	
Phone	540 562-7063	Cell		<input type="checkbox"/> Utilities	<input type="checkbox"/> Other: _____	
Email	fvhogrefe@aep.com					
				<input type="checkbox"/> Left	<input type="checkbox"/> Right	<input type="checkbox"/> X-ing
Access:				<input type="checkbox"/> Full	<input type="checkbox"/> Partial	<input type="checkbox"/> by Permit

**General Description of Work:**

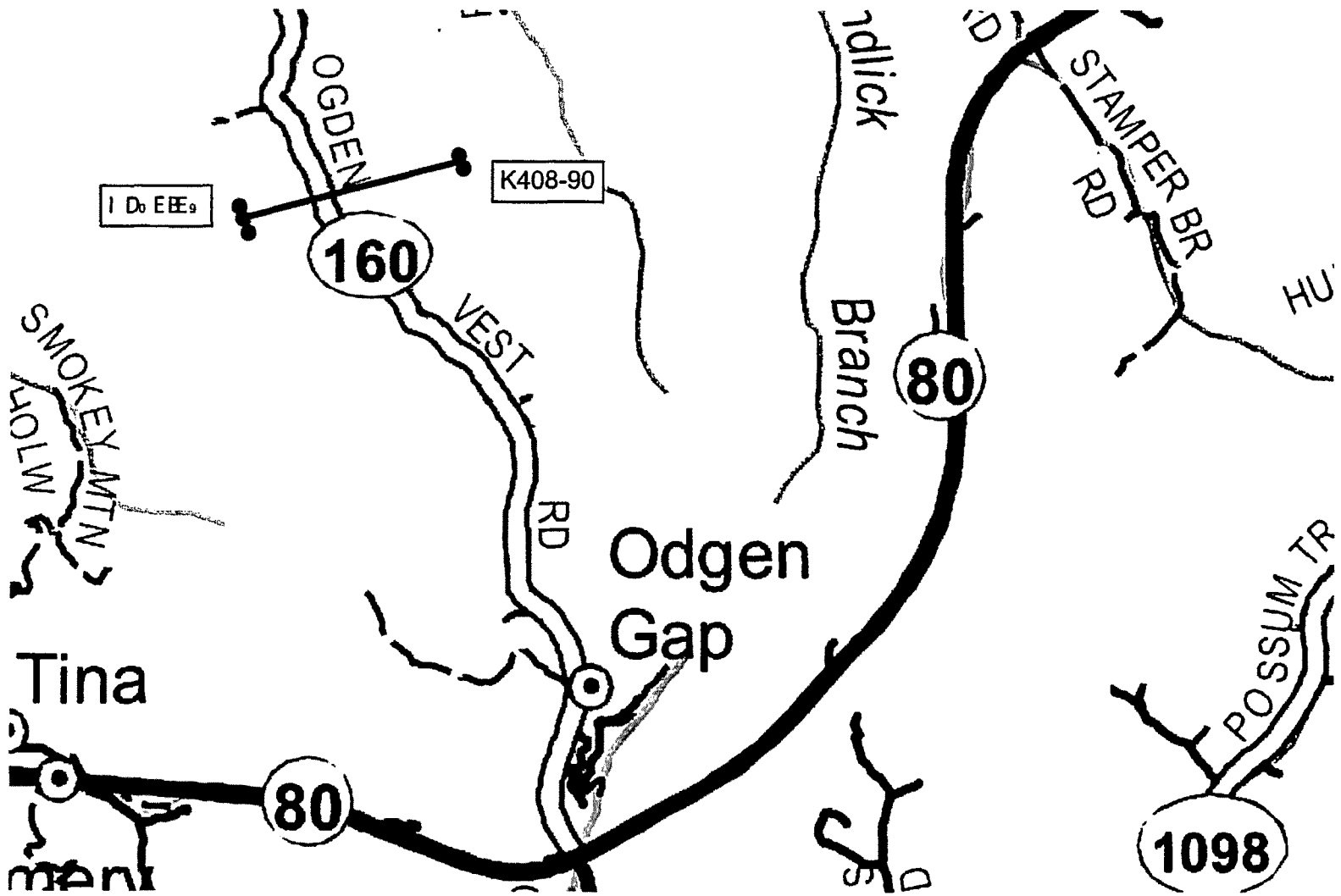
Install over head transmission line from ridge to ridge over highway. Highway 160 has a 197' minimum clearance over road.

THE UNDERSIGNED PERMITTEE(S) (being duly authorized representative(s) or owner(s)) DO AGREE TO ALL TERMS AND CONDITIONS ON THE TC 99-1 (A).

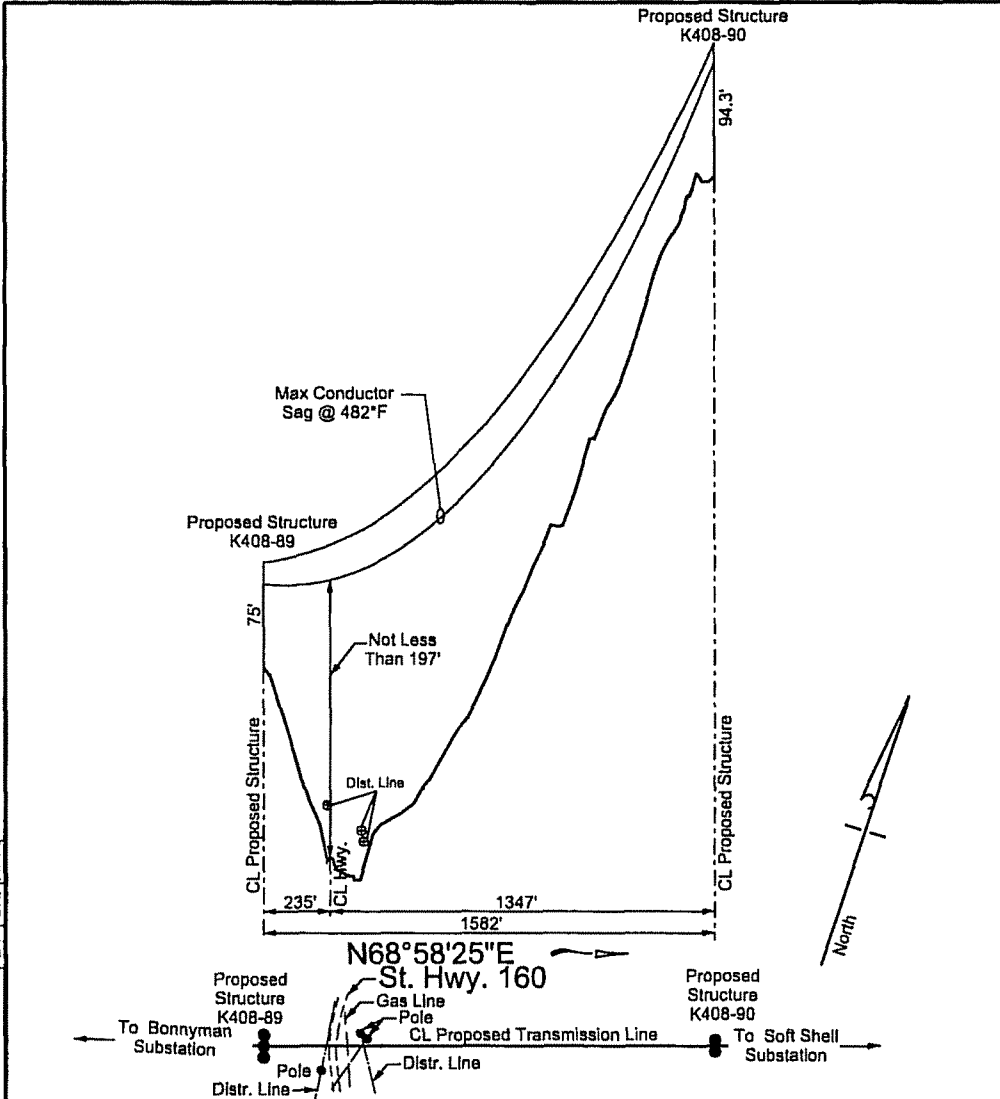
*FV Hogrefe*  
 Signature

*1/31/2013*  
 Date

This is not a permit unless and until the permittee(s) receives an approved TC 99-1(B) from KYTC. This application will become void if not approved by the cancellation date. The cancellation date will be one year from the date the permittee submits their application.



NO.	DATE	REVISIONS	BY	CK.	APP.



**KENTUCKY POWER COMPANY**

BONNYMAN - SOFT SHELL 138KV LINE  
 PROPOSED TRANSMISSION LINE CROSSING OVER  
 STATE HIGHWAY 160

KNOTT COUNTY

KENTUCKY

POWER ENGINEERS

DRAWN: DVW

APPROVED

TR/CK BY JAH

BY

ENGG CK EJC

DATE: 10-31-12

DWG NO

SCALE: HOR. 1" = 500'

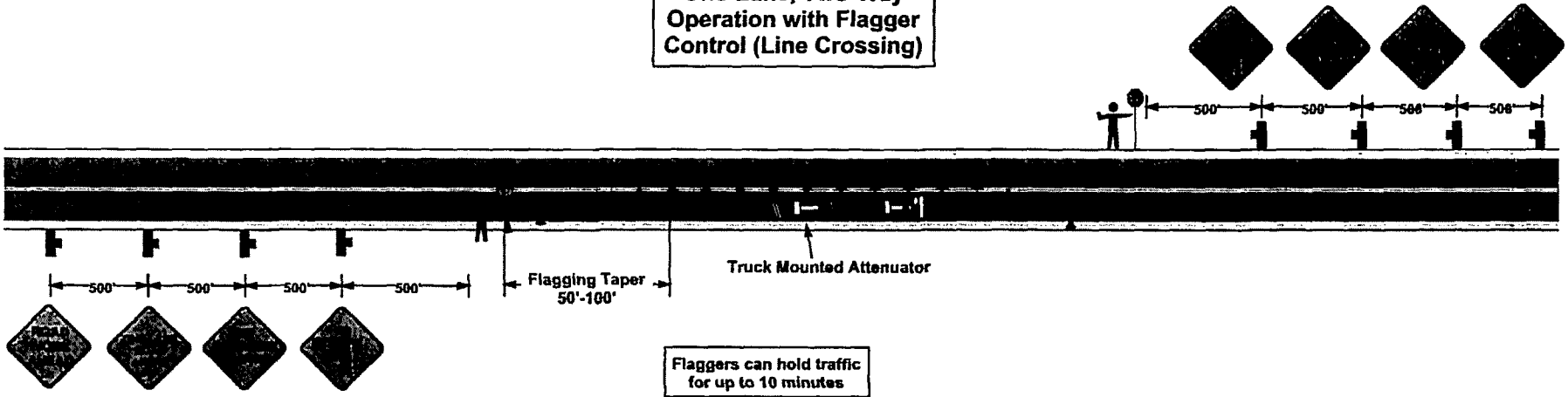
VER. 1" = 100'

**Z-3781**



Legend  
▲ ▲ Cones

**One-Lane, Two-Way  
Operation with Flagger  
Control (Line Crossing)**



**Kentucky Transportation Cabinet  
Permit Inspection Status Report**

**NOTICE OF COMPLETION**

**Please return this form to the District Office when work is completed as permitted and ready for final inspection.**

---

**APPLICANT IDENTIFICATION**

Name: KENTUCKY POWER COMPANY

Contact Person: JOHN EDWARDS

Address: P.O. BOX 2021

City: ROANOKE

State: VA

ZIP: 24022

Telephone: 540-562-7063

**PROJECT IDENTIFICATION**

PERMIT #: 12-2013-00028

County: KNOTT COUNTY

Route: KY 160

Road:

Milepost: 14.601

I wish to notify the Department of Highways that the above mentioned permit work and any necessary right-of-way restoration have be completed and are ready for final inspection.

---

**APPLICANT SIGNATURE**

---

**Please return form to:**      **Department of Highways  
Permits Division  
109 Loraine Street  
Pikeville, KY 41502**

# Originals

Monday, March 18, 2013

I spoke with Jeremy Carty at District 10 regarding the fact only one permit application was marked approved. His response was that when multiple highways are submitted at one time, they are approved as a package.

Here's his contact info at the District 10 office:

Jeremy Carty  
(606) 666-8841

If you have any questions please contact me.

Fred

Fred Hogrefe  
Graphics Tech I  
(540) 562-7063  
fvhogrefe@aep.com



Kentucky Transportation Cabinet  
 Department of Highways  
 Permits Branch

TC 99-1 (A)  
 8/2012  
 Page 1 of 4

APPLICATION FOR ENCROACHMENT PERMIT

<b>Permittee Information</b>				KYTC No. <u>T70-2013-00014</u>			
Name	Kentucky Power Company			<b>Permit Information</b>			
Address	PO Box 2021			Address	<sup>50</sup> <del>SR-1862</del> (Winter Way)		
City	Roanoke			City			
State	VA	Zip	24022	State	Zip		
Phone#	540 562-7118			County	Perry County		
Contact	John Edwards			Route No.	<sup>80</sup> <del>SR-1862</del> Mile-Point <del>0.38</del> <u>9.9</u>		
Phone	540 562-7118	Cell		Longitude (X)	83°11'27" W		
Email	jdedwards@aep.com			Latitude (Y)	37°18'23" N		
Contact	Fred Hogrefe			<i>Information below to be filled out by KYTC</i>			
Phone	540 562-7063	Cell		<input type="checkbox"/> Air Right	<input type="checkbox"/> Entrance		
Email	fvhogrefe@aep.com			<input type="checkbox"/> Utilities	<input type="checkbox"/> Other: _____		
				<input type="checkbox"/> Left	<input type="checkbox"/> Right	<input type="checkbox"/> X-ing	
				Access:	<input type="checkbox"/> Full	<input type="checkbox"/> Partial	<input type="checkbox"/> by Permit

General Description of Work:

Install overhead transmission line from ridge to ridge over highway. Winter Way has a 245' minimum clearance over road.

APPROVED

THE UNDERSIGNED PERMITTEE(s) (being duly authorized representative(s) or owner(s)) DO AGREE TO ALL TERMS AND CONDITIONS ON THE TC 99-1 (A).

*F V Hogrefe*

*1/17/2013*

Signature

Date

This is not a permit unless and until the permittee(s) receives an approved TC 99-1(B) from KYTC. This application will become void if not approved by the cancellation date. The cancellation date will be one year from the date the permittee submits their application.



Kentucky Transportation Cabinet  
Department of Highways  
Permits Branch

TC 99-1 (B)  
1/2012  
Page 1 of 1

**ENCROACHMENT PERMIT**

**KEPTS No.:** A10-2013-00014

---

**Permittee:** Kentucky Power Company

---

**Latitude:** 37.314940

---

**Longitude:** -83.173002

---

**Completion Date:** 10-31-14

Coordinates provided on the TC 99-1(B) are the approved location for this permit

Indemnities		
Type	Amount Required	Tracking Number
Performance Bond	0	
Payment Bond		
Liability Insurance		

This permit has been:

*STATEWIDE BOND - \$5,000  
FOR THIS PERMIT.*

APPROVED  DENIED

Jeremy Carty

<b>NAME</b>	<b>TITLE</b>
-------------	--------------

Jeremy Carty	2/27/2013
--------------	-----------

<b>SIGNATURE</b>	<b>DATE</b>
------------------	-------------

**APPROVED**

The TC 99-1(B), including the application TC-99 1(A) and all related and accompanying documents and drawings make up the permit. It is not a permit unless both the TC 99-1(A) and TC 99-1(B) are both present

Proposed Structure  
K408-17

93.4'

Max Conductor  
Sag @ 482°F

Proposed Structure  
K408-18

97.7'

CL Proposed Structure

CL Proposed Structure

Dist. Line  
⊕  
Not Less  
Than 245'

1296'

1969'

673'

CL Hwy

$S79^{\circ}25'02''E$

State Road 1862

CL Proposed Transmission Line

Proposed  
Structure  
K408-17

To Bonnyman  
Substation



Pole  
Distr. Line

Proposed  
Structure  
K408-18

To Soft Shell  
Substation



BY CK. APP.

REVISIONS

DATE

**KENTUCKY POWER COMPANY**

BONNYMAN - SOFT SHELL 138KV LINE  
PROPOSED TRANSMISSION LINE CROSSING OVER

**STATE ROAD 1862**  
(Winter Way)

PERRY COUNTY

KENTUCKY

POWER ENGINEERS

DRAWN: DVW

APPROVED

TR/CK BY JAH

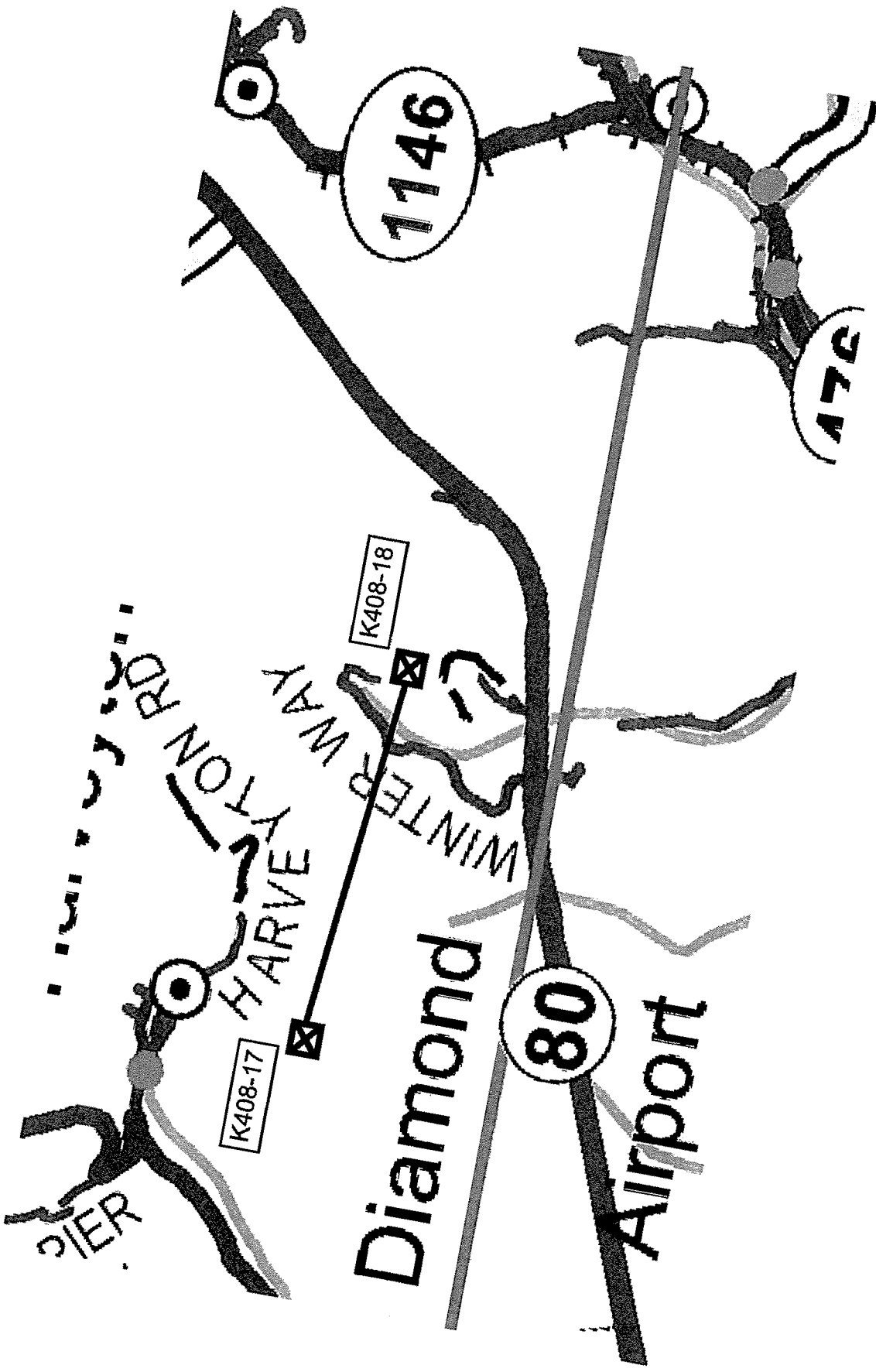
BY

ENGG CK EJC

DATE: 10-31-12

DWG

**7-2771**





Kentucky Transportation Cabinet  
 Department of Highways  
 Permits Branch

TC 99-1 (A)  
 8/2012  
 Page 1 of 4

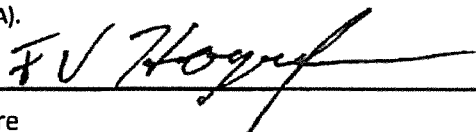
**APPLICATION FOR ENCROACHMENT PERMIT**

<b>Permittee Information</b>				<b>KYTC No.</b>			
Name	Kentucky Power Company			<b>Permit Information</b>			
Address	PO Box 2021			Address			
				City			
City	Roanoke			State		Zip	
State	VA	Zip	24022	County		Perry County	
Phone#	540 562-7118			Route No.	SR-1146	Mile-Point	4.05
Contact	John Edwards			Longitude (X) 83°10'25" W			
Phone	540 562-7118	Cell		Latitude (Y) 37°18'56" N			
Email	jdedwards@aep.com			<b>Information below to be filled out by KYTC</b>			
Contact	Fred Hogrefe			<input type="checkbox"/> Air Right	<input type="checkbox"/> Entrance		
Phone	540 562-7063	Cell		<input type="checkbox"/> Utilities	<input type="checkbox"/> Other: _____		
Email	fvhogrefe@aep.com						
				<input type="checkbox"/> Left	<input type="checkbox"/> Right	<input type="checkbox"/> X-ing	
				Access:	<input type="checkbox"/> Full	<input type="checkbox"/> Partial	<input type="checkbox"/> by Permit

**General Description of Work:**

Install overhead transmission line from ridge to ridge over highway. Highway 1146 has a 180' minimum clearance over road.

THE UNDERSIGNED PERMITTEE(s) (being duly authorized representative(s) or owner(s)) DO AGREE TO ALL TERMS AND CONDITIONS ON THE TC 99-1 (A).

Signature  Date 1/17/2013

This is not a permit unless and until the permittee(s) receives an approved TC 99-1(B) from KYTC. This application will become void if not approved by the cancellation date. The cancellation date will be one year from the date the permittee submits their application.





**ENCROACHMENT PERMIT**

**KEPTS No.:** \_\_\_\_\_  
**Permittee:** Kentucky Power Company  
**Latitude:** 37°18'56" N  
**Longitude:** 83°10'25" W  
**Completion Date:** October 31, 2014

Coordinates provided on the TC 99-1(B) are the approved location for this permit.

Indemnities		
Type	Amount Required	Tracking Number
Performance Bond		
Payment Bond		
Liability Insurance		

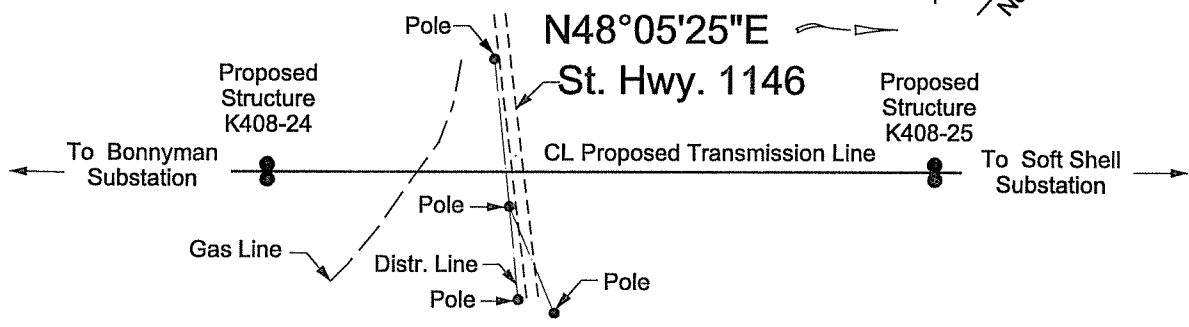
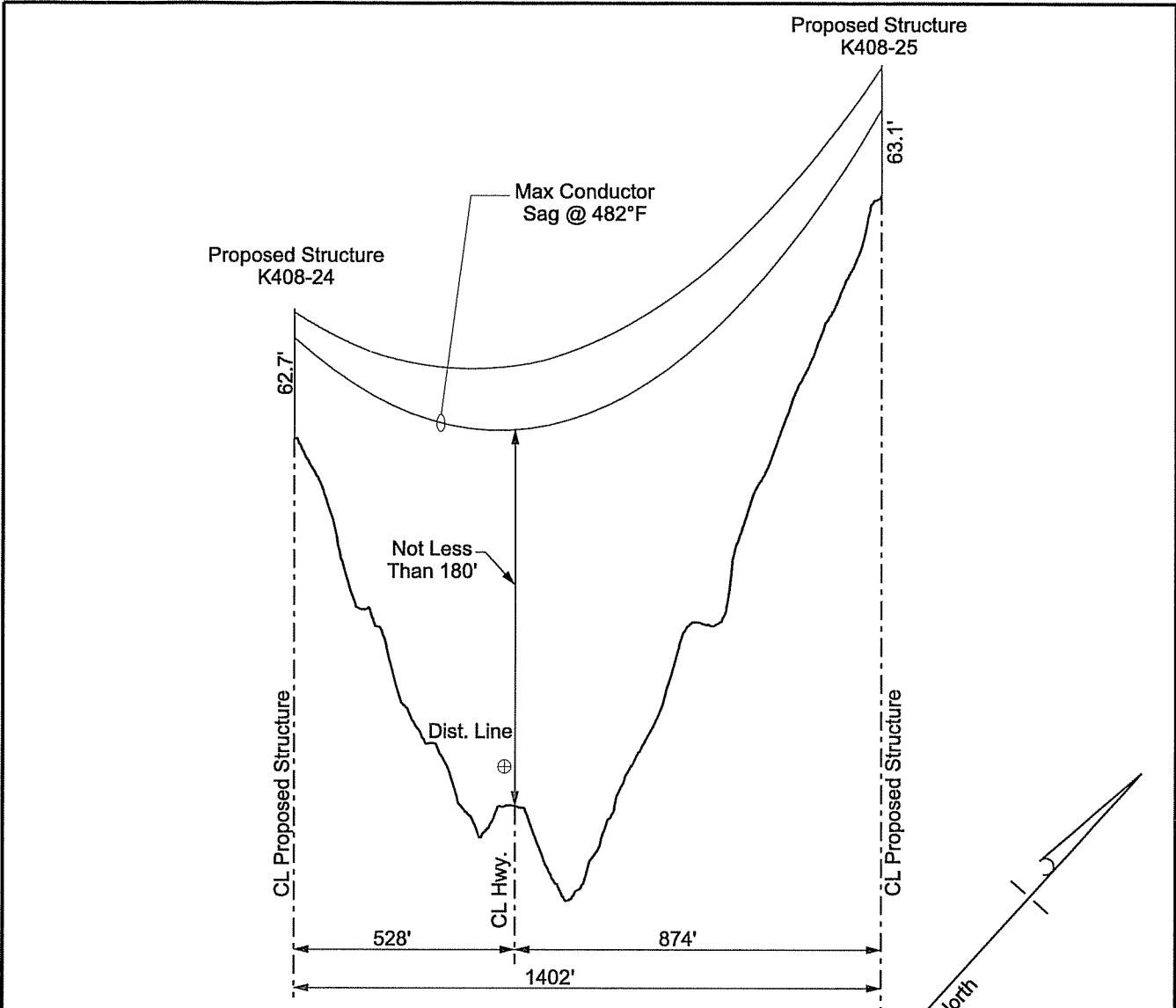
This permit has been:

APPROVED  DENIED

\_\_\_\_\_  
**NAME** **TITLE**

\_\_\_\_\_  
**SIGNATURE** **DATE**

The TC 99-1(B), including the application TC-99 1(A) and all related and accompanying documents and drawings make up the permit. It is not a permit unless both the TC 99-1(A) and TC 99-1(B) are both present.



DATE	REVISIONS	BY	CK.	APP.

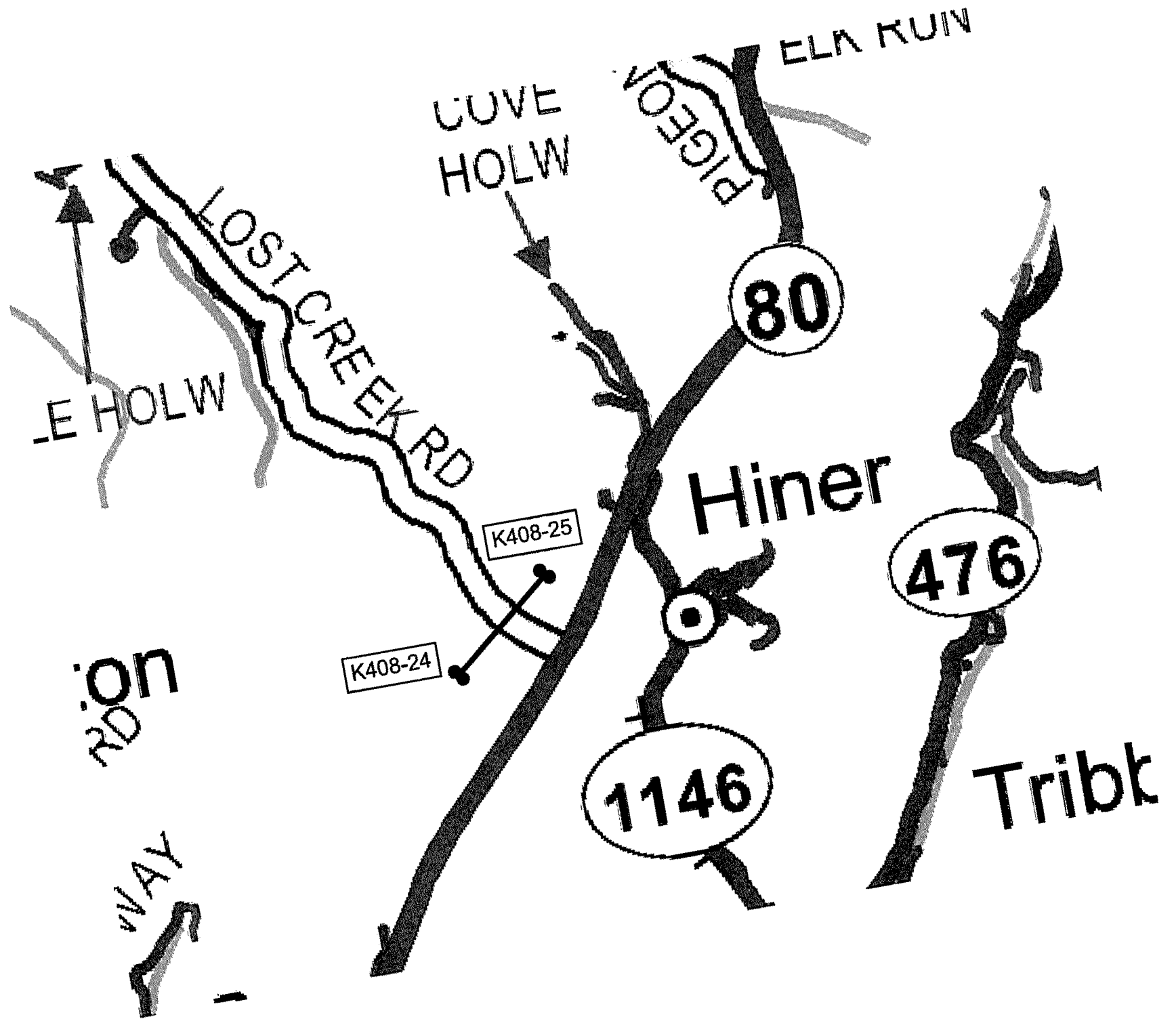
**KENTUCKY POWER COMPANY**

BONNYMAN - SOFT SHELL 138KV LINE  
PROPOSED TRANSMISSION LINE CROSSING OVER  
**STATE HIGHWAY 1146**

PERRY COUNTY KENTUCKY

POWER ENGINEERS

DRAWN: DVW	APPROVED BY
TR/CK BY JAH	BY
ENGG CK EJC	DWG NO
DATE: 10-31-12	<b>7-2772</b>





Kentucky Transportation Cabinet  
 Department of Highways  
 Permits Branch

**APPLICATION FOR ENCROACHMENT PERMIT**

<b>Permittee Information</b>				<b>KYTC No.</b>			
Name	Kentucky Power Company			<b>Permit Information</b>			
Address	PO Box 2021			Address			
				City			
City	Roanoke			State		Zip	
State	VA	Zip	24022	County		Perry County	
Phone#	540 562-7118			Route No.	KY-80	Mile-Point	11.7
Contact	John Edwards			Longitude (X) 83°10'06" W			
Phone	540 562-7118	Cell		Latitude (Y) 37°19'06" N			
Email	jdedwards@aep.com			<i>Information below to be filled out by KYTC</i>			
Contact	Fred Hogrefe			<input type="checkbox"/> Air Right		<input type="checkbox"/> Entrance	
Phone	540 562-7063	Cell		<input type="checkbox"/> Utilities		<input type="checkbox"/> Other: _____	
Email	fvhogrefe@aep.com			<input type="checkbox"/> Left		<input type="checkbox"/> Right	
				<input type="checkbox"/> Full		<input type="checkbox"/> Partial	
						<input type="checkbox"/> X-ing	
				Access:		<input type="checkbox"/> by Permit	

**General Description of Work:**

Install overhead transmission line from ridge to ridge over highway. Highway 80 has a 179' minimum clearance over road.

THE UNDERSIGNED PERMITTEE(s) (being duly authorized representative(s) or owner(s)) DO AGREE TO ALL TERMS AND CONDITIONS ON THE TC 99-1 (A).

*FV Hogrefe*

*1/17/2013*

Signature

Date

This is not a permit unless and until the permittee(s) receives an approved TC 99-1(B) from KYTC. This application will become void if not approved by the cancellation date. The cancellation date will be one year from the date the permittee submits their application.



Kentucky Transportation Cabinet  
 Department of Highways  
 Permits Branch

**ENCROACHMENT PERMIT**

**KEPTS No.:** \_\_\_\_\_  
**Permittee:** Kentucky Power Company  
**Latitude:** 37°19'06" N  
**Longitude:** 83°10'06" W  
**Completion Date:** October 31,2014

Coordinates provided on the TC 99-1(B) are the approved location for this permit.

Indemnities		
Type	Amount Required	Tracking Number
Performance Bond		
Payment Bond		
Liability Insurance		

This permit has been:

APPROVED  DENIED

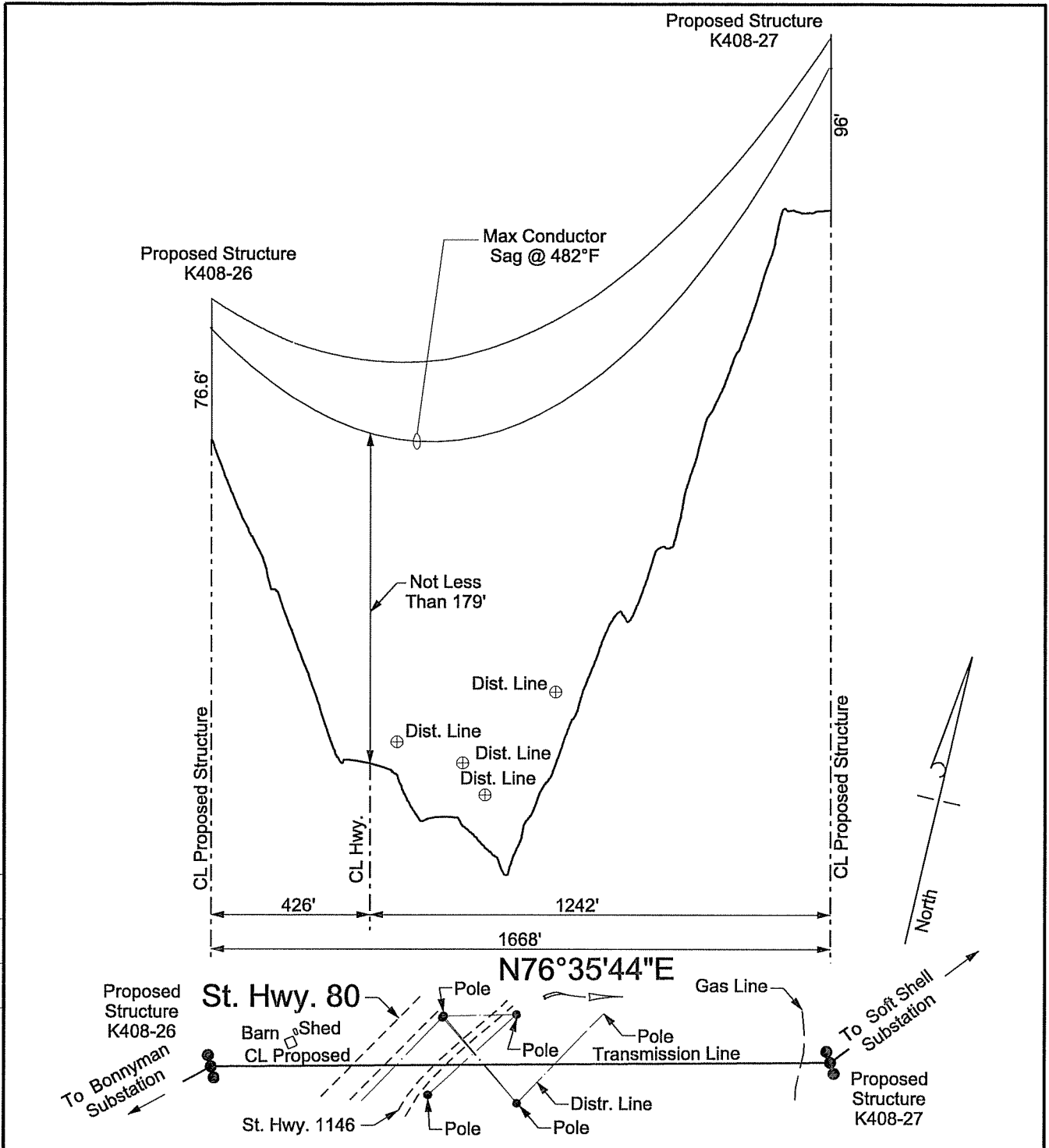
---

**NAME** \_\_\_\_\_ **TITLE** \_\_\_\_\_

---

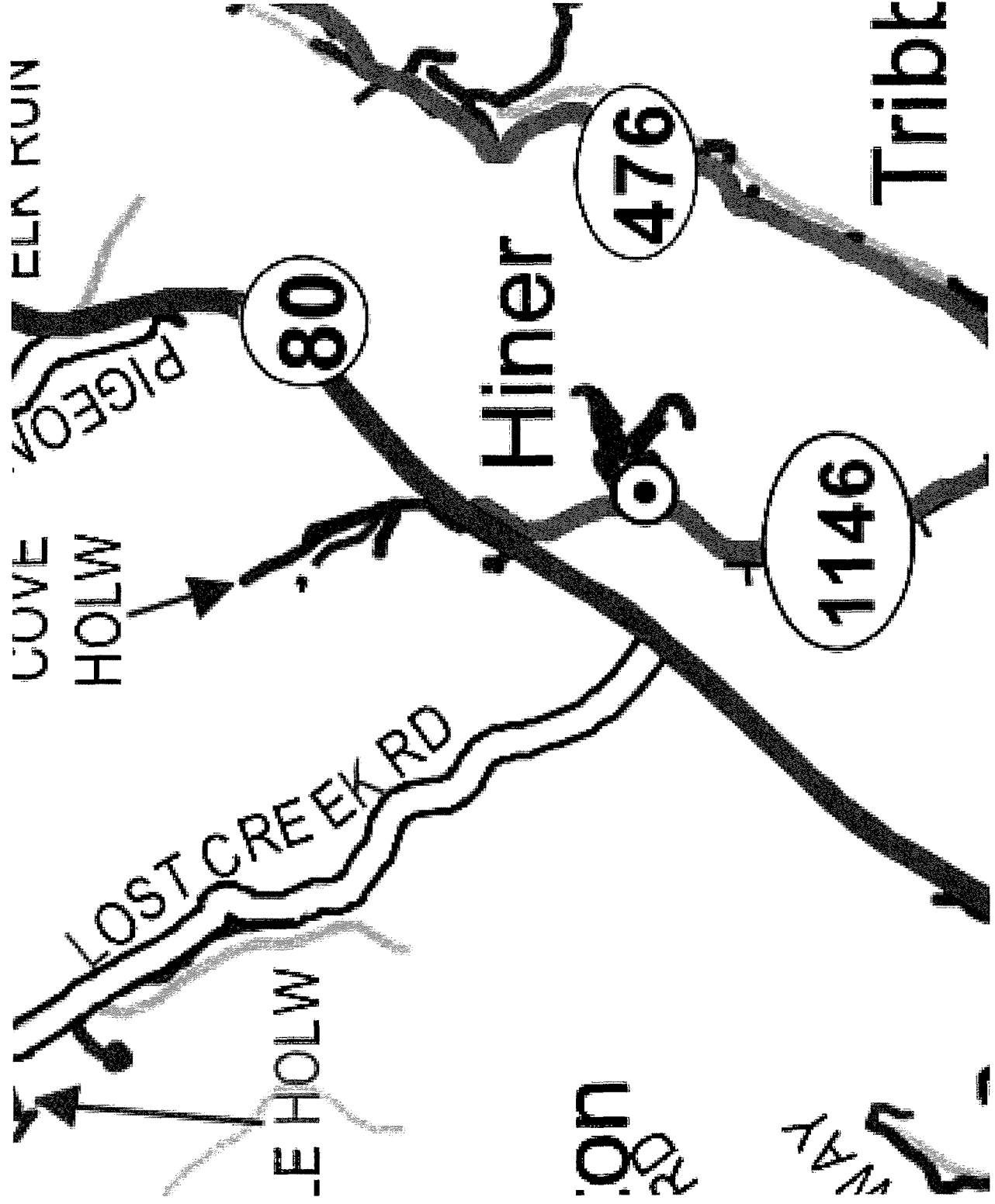
**SIGNATURE** \_\_\_\_\_ **DATE** \_\_\_\_\_

The TC 99-1(B), including the application TC-99 1(A) and all related and accompanying documents and drawings make up the permit. It is not a permit unless both the TC 99-1(A) and TC 99-1(B) are both present.



DATE	REVISIONS	BY	CK.	APP.

<b>KENTUCKY POWER COMPANY</b>	
BONNYMAN - SOFT SHELL 138kV LINE PROPOSED TRANSMISSION LINE CROSSING OVER <b>STATE HIGHWAY 80</b>	
PERRY COUNTY	KENTUCKY
POWER ENGINEERS	
DRAWN: DVW	APPROVED BY
TR/CK BY JAH	BY
ENGG CK EJC	DWG
DATE: 10-31-12	<b>7 2772</b>





Kentucky Transportation Cabinet  
 Department of Highways  
 Permits Branch

**APPLICATION FOR ENCROACHMENT PERMIT**

<b>Permittee Information</b>				KYTC No.			
Name	Kentucky Power Company			<b>Permit Information</b>			
Address	PO Box 2021			Address			
				City			
City	Roanoke			State		Zip	
State	VA	Zip	24022	County		Perry County	
Phone#	540 562-7118			Route No.	KY-80	Mile-Point	11.6
Contact	John Edwards			Longitude (X) 83°10'10" W			
Phone	540 562-7118	Cell		Latitude (Y) 37°19'04" N			
Email	jdedwards@aep.com			<i>Information below to be filled out by KYTC</i>			
Contact	Fred Hogrefe			<input type="checkbox"/> Air Right		<input type="checkbox"/> Entrance	
Phone	540 562-7063	Cell		<input type="checkbox"/> Utilities		<input type="checkbox"/> Other: _____	
Email	fvhogrefe@aep.com			<input type="checkbox"/> Left		<input type="checkbox"/> Right	
				<input type="checkbox"/> Full		<input type="checkbox"/> Partial	
						<input type="checkbox"/> X-ing	
				Access:		<input type="checkbox"/> by Permit	

**General Description of Work:**

Install guy wire/guy wire anchor on easement within Kentucky DOT Right-of-Way.

THE UNDERSIGNED PERMITTEE(s) (being duly authorized representative(s) or owner(s)) DO AGREE TO ALL TERMS AND CONDITIONS ON THE TC 99-1 (A).

Signature

*FV Hogrefe*

Date

*1/18/2013*

This is not a permit unless and until the permittee(s) receives an approved TC 99-1(B) from KYTC. This application will become void if not approved by the cancellation date. The cancellation date will be one year from the date the permittee submits their application.





**ENCROACHMENT PERMIT**

**KEPTS No.:** \_\_\_\_\_

**Permittee:** Kentucky Power Company

**Latitude:** 37°19'04" N

**Longitude:** 83°10'10" W

**Completion Date:** October 31, 2014

Coordinates provided on the TC 99-1(B) are the approved location for this permit.

Indemnities		
Type	Amount Required	Tracking Number
Performance Bond		
Payment Bond		
Liability Insurance		

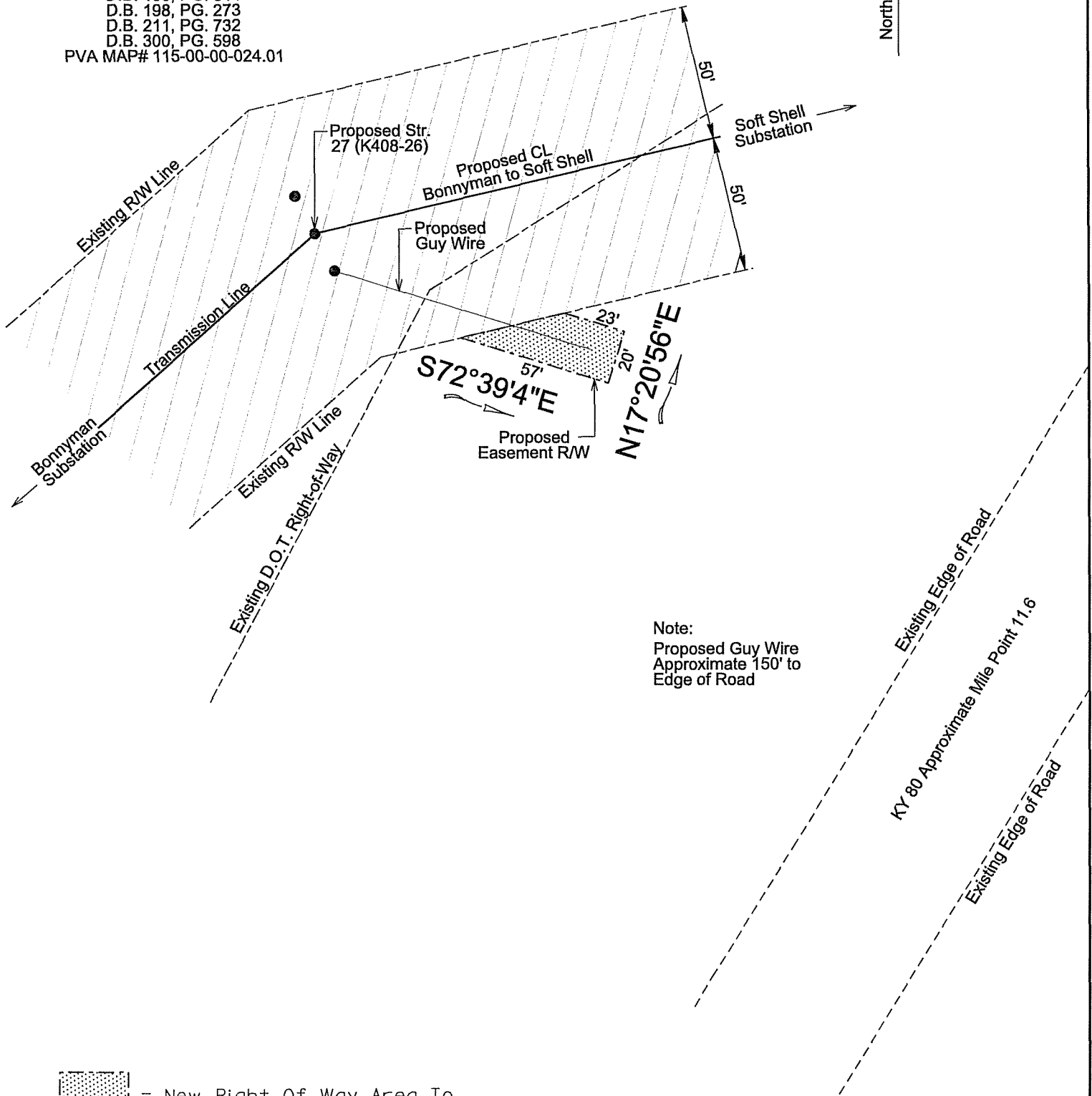
This permit has been:

APPROVED  DENIED

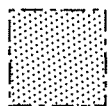

<b>NAME</b>	<b>TITLE</b>
<b>SIGNATURE</b>	<b>DATE</b>

The TC 99-1(B), including the application TC-99 1(A) and all related and accompanying documents and drawings make up the permit. It is not a permit unless both the TC 99-1(A) and TC 99-1(B) are both present.

MABEL J. CAINES (LESSOR)  
 W.B. 10, PG. 581  
 D.B. 190, PG. 844  
 D.B. 198, PG. 273  
 D.B. 211, PG. 732  
 D.B. 300, PG. 598  
 PVA MAP# 115-00-00-024.01



Note:  
 Proposed Guy Wire  
 Approximate 150' to  
 Edge of Road

-  = New Right Of Way Area To Be Aquired (0.0182 Acres)
-  = Area Of Existing Right Of Way



**APPLICATION FOR ENCROACHMENT PERMIT**

<b>Permittee Information</b>				KYTC No. <span style="border: 1px solid black; display: inline-block; width: 100px; height: 20px;"></span>			
Name	Kentucky Power Company			<b>Permit Information</b>			
Address	PO Box 2021			Address			
				City			
City	Roanoke			State		Zip	
State	VA	Zip	24022	County		Perry County	
Phone#	540 562-7118			Route No.	KY-1146	Mile-Point	3.9
Contact	John Edwards			Longitude (X) 83°10'04" W			
Phone	540 562-7118	Cell		Latitude (Y) 37°19'06" N			
Email	jdedwards@aep.com			<i>Information below to be filled out by KYTC</i>			
Contact	Fred Hogrefe			<input type="checkbox"/> Air Right		<input type="checkbox"/> Entrance	
Phone	540 562-7063	Cell		<input type="checkbox"/> Utilities		<input type="checkbox"/> Other: _____	
Email	fvhogrefe@aep.com			<input type="checkbox"/> Left		<input type="checkbox"/> Right	
				<input type="checkbox"/> X-ing			
				Access: <input type="checkbox"/> Full		<input type="checkbox"/> Partial	
						<input type="checkbox"/> by Permit	

**General Description of Work:**

Install overhead transmission line from ridge to ridge over highway. Highway 1146 has a 204' minimum clearance over road.

THE UNDERSIGNED PERMITTEE(s) (being duly authorized representative(s) or owner(s)) DO AGREE TO ALL TERMS AND CONDITIONS ON THE TC 99-1 (A).

FV Hogrefe
1/17/2013

---

Signature Date

This is not a permit unless and until the permittee(s) receives an approved TC 99-1(B) from KYTC. This application will become void if not approved by the cancellation date. The cancellation date will be one year from the date the permittee submits their application.



Kentucky Transportation Cabinet  
 Department of Highways  
 Permits Branch

**ENCROACHMENT PERMIT**

**KEPTS No.:** \_\_\_\_\_  
**Permittee:** Kentucky Power Company  
**Latitude:** 37°19'06" N  
**Longitude:** 83°10'04" W  
**Completion Date:** October 31, 2014

Coordinates provided on the TC 99-1(B) are the approved location for this permit.

Indemnities		
Type	Amount Required	Tracking Number
Performance Bond		
Payment Bond		
Liability Insurance		

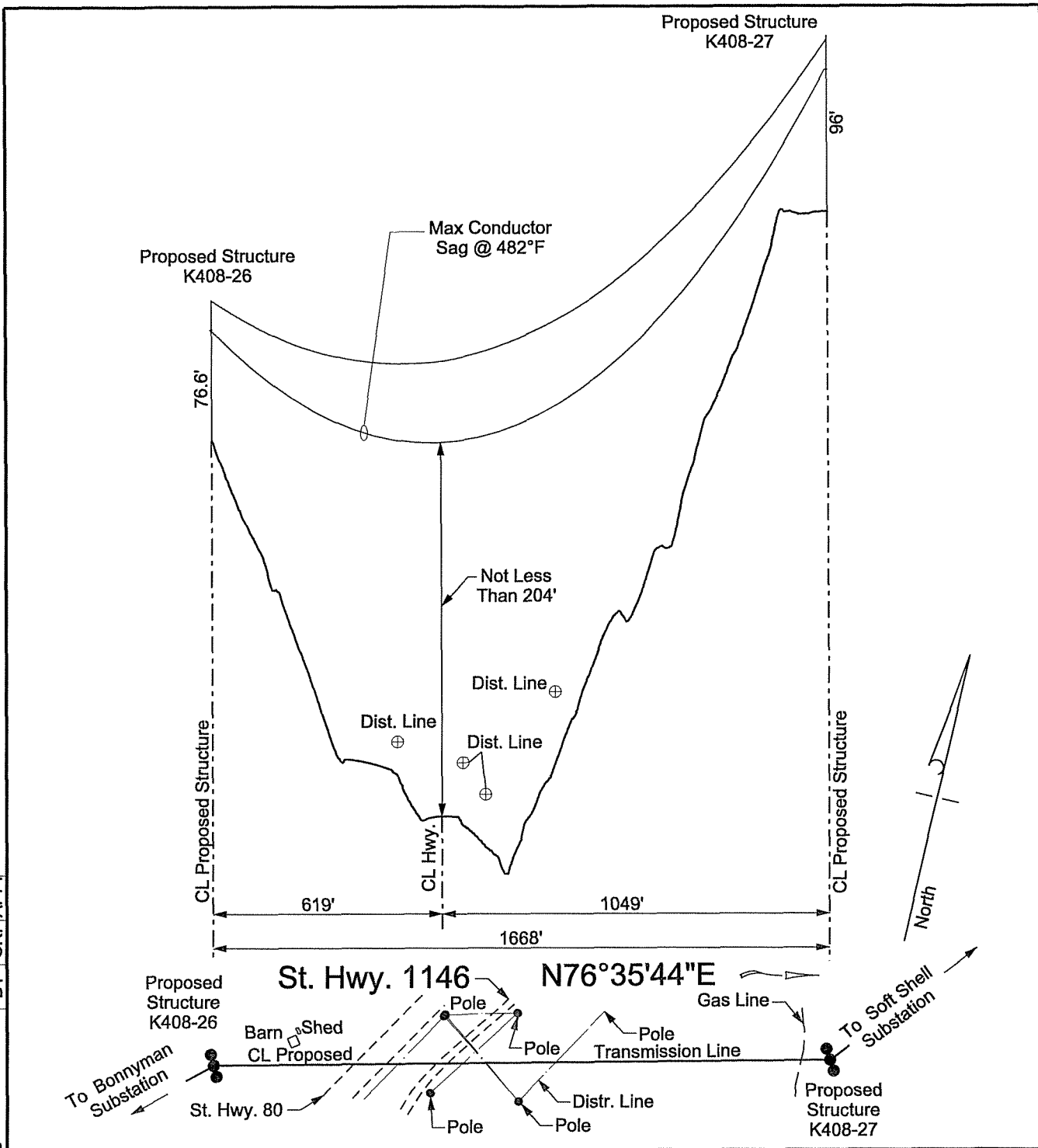
This permit has been:

APPROVED  DENIED

\_\_\_\_\_  
**NAME** **TITLE**

\_\_\_\_\_  
**SIGNATURE** **DATE**

The TC 99-1(B), including the application TC-99 1(A) and all related and accompanying documents and drawings make up the permit. It is not a permit unless both the TC 99-1(A) and TC 99-1(B) are both present.



DATE	REVISIONS	BY	CK.	APP.

**KENTUCKY POWER COMPANY**

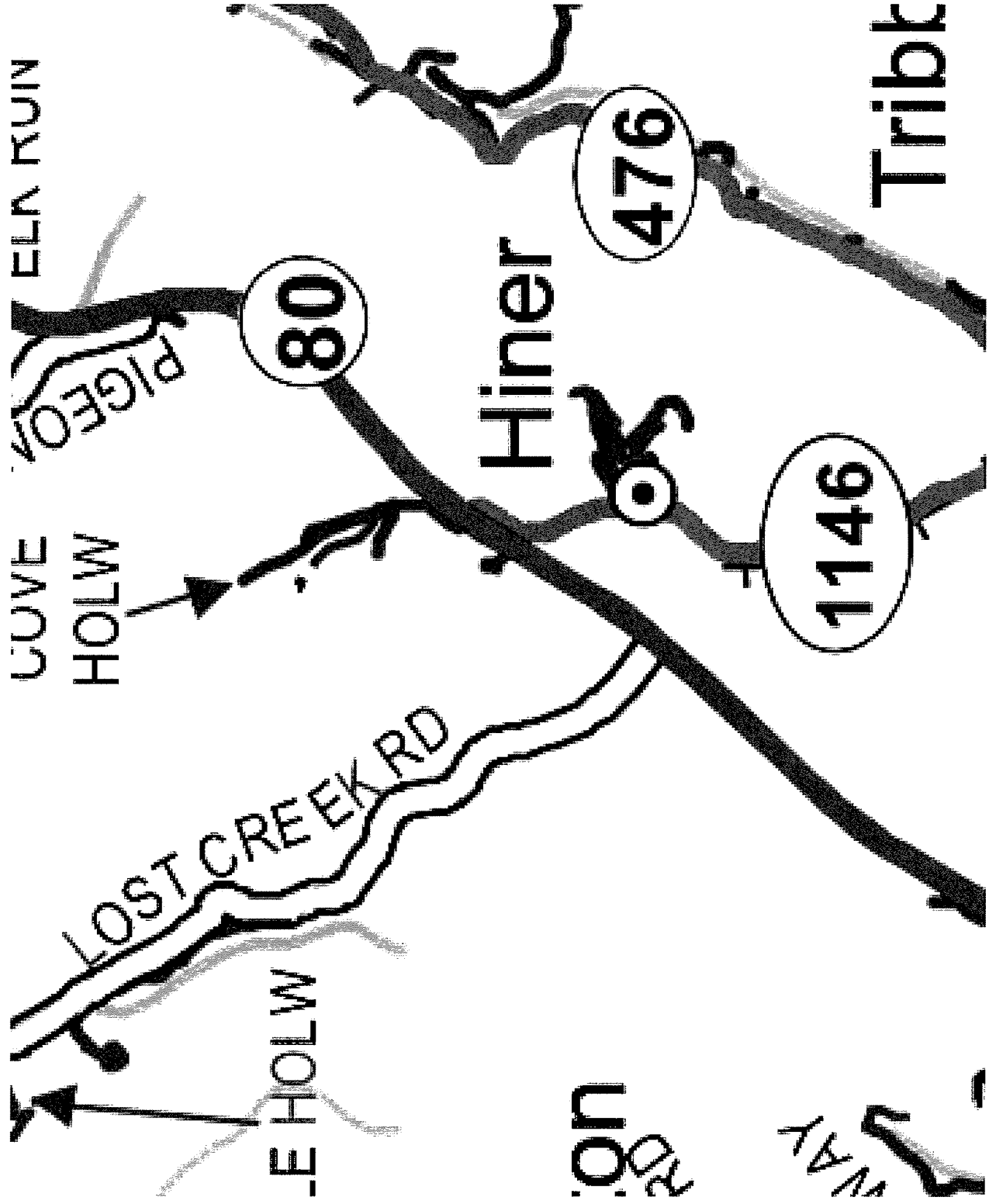
BONNYMAN - SOFT SHELL 138KV LINE  
PROPOSED TRANSMISSION LINE CROSSING OVER  
**STATE HIGHWAY 1146**

PERRY COUNTY KENTUCKY

---

POWER ENGINEERS

DRAWN: DVW	APPROVED
TR/CK BY JAH	BY
ENGG CK EJC	
DATE: 10-31-12	DWG <b>7-277A</b>



ELK RUIN

PIGEON

LOVE  
HOLW

LOST CREEK RD

HOLW

Hiner

80

RD. ON

WAY

476

1146

Tribk



Kentucky Transportation Cabinet  
Department of Highways  
Permits Branch

TC 99-1 (A)  
8/2012  
Page 1 of 4

**APPLICATION FOR ENCROACHMENT PERMIT**

<b>Permittee Information</b>				<b>KYTC No.</b>			
Name	Kentucky Power Company			<b>Permit Information</b>			
Address	PO Box 2021			Address			
				City			
City	Roanoke			State		Zip	
State	VA	Zip	24022	County		Perry County	
Phone#	540 562-7118			Route No.	KY-476	Mile-Point	8.6
Contact	John Edwards			Longitude (X) 83°07'42" W			
Phone	540 562-7118	Cell		Latitude (Y) 37°20'47" N			
Email	jdedwards@aep.com			<b>Information below to be filled out by KYTC</b>			
Contact	Fred Hogrefe			<input type="checkbox"/> Air Right	<input type="checkbox"/> Entrance		
Phone	540 562-7063	Cell		<input type="checkbox"/> Utilities	<input type="checkbox"/> Other: _____		
Email	fvhogrefe@aep.com						
				<input type="checkbox"/> Left	<input type="checkbox"/> Right	<input type="checkbox"/> X-ing	
<b>Access:</b>				<input type="checkbox"/> Full	<input type="checkbox"/> Partial	<input type="checkbox"/> by Permit	

**General Description of Work:**

Install overhead transmission line from ridge to ridge over highway. Highway 476 has a 261' minimum clearance over road.

THE UNDERSIGNED PERMITTEE(S) (being duly authorized representative(s) or owner(s)) DO AGREE TO ALL TERMS AND CONDITIONS ON THE TC 99-1 (A).

*F V Hogrefe*

*1/18/2013*

Signature

Date

This is not a permit unless and until the permittee(s) receives an approved TC 99-1(B) from KYTC. This application will become void if not approved by the cancellation date. The cancellation date will be one year from the date the permittee submits their application.



Kentucky Transportation Cabinet  
 Department of Highways  
 Permits Branch

TC 99-1 (B)  
 1/2012  
 Page 1 of 1

**ENCROACHMENT PERMIT**

**KEPTS No.:** \_\_\_\_\_  
**Permittee:** Kentucky Power Company  
**Latitude:** 37°20'47" N  
**Longitude:** 83°07'42" W  
**Completion Date:** October 31, 2014

Coordinates provided on the TC 99-1(B) are the approved location for this permit.

Indemnities		
Type	Amount Required	Tracking Number
Performance Bond		
Payment Bond		
Liability Insurance		

This permit has been:

APPROVED  DENIED

---

**NAME** **TITLE**

---

**SIGNATURE** **DATE**

The TC 99-1(B), including the application TC-99 1(A) and all related and accompanying documents and drawings make up the permit. It is not a permit unless both the TC 99-1(A) and TC 99-1(B) are both present.



Proposed Structure  
K408-41

74.1'

Max Conductor  
Sag @ 482°F

Proposed Structure  
K408-42

54'

Not Less  
Than 261'

Dist. Line ⊕

Dist. Line ⊕

CL Proposed Structure

CL Proposed Structure

CL Hwy.

606'

632'

1238'

St. Hwy. 476

N63°43'43"E

Proposed  
Structure  
K408-41

CL Proposed  
Transmission Line

Dist. Line

Creek

Pole

Dist. Line

To Soft Shell  
Substation

Proposed  
Structure  
K408-42

Pole

State Road 1847

North

To Bonnyman  
Substation

DATE	REVISIONS	BY	CK.	APP.

**KENTUCKY POWER COMPANY**

BONNYMAN - SOFT SHELL 138KV LINE  
PROPOSED TRANSMISSION LINE CROSSING OVER  
**STATE HIGHWAY 476**

PERRY COUNTY

KENTUCKY

POWER ENGINEERS

DRAWN: DVW

APPROVED

TR/CK BY JAH

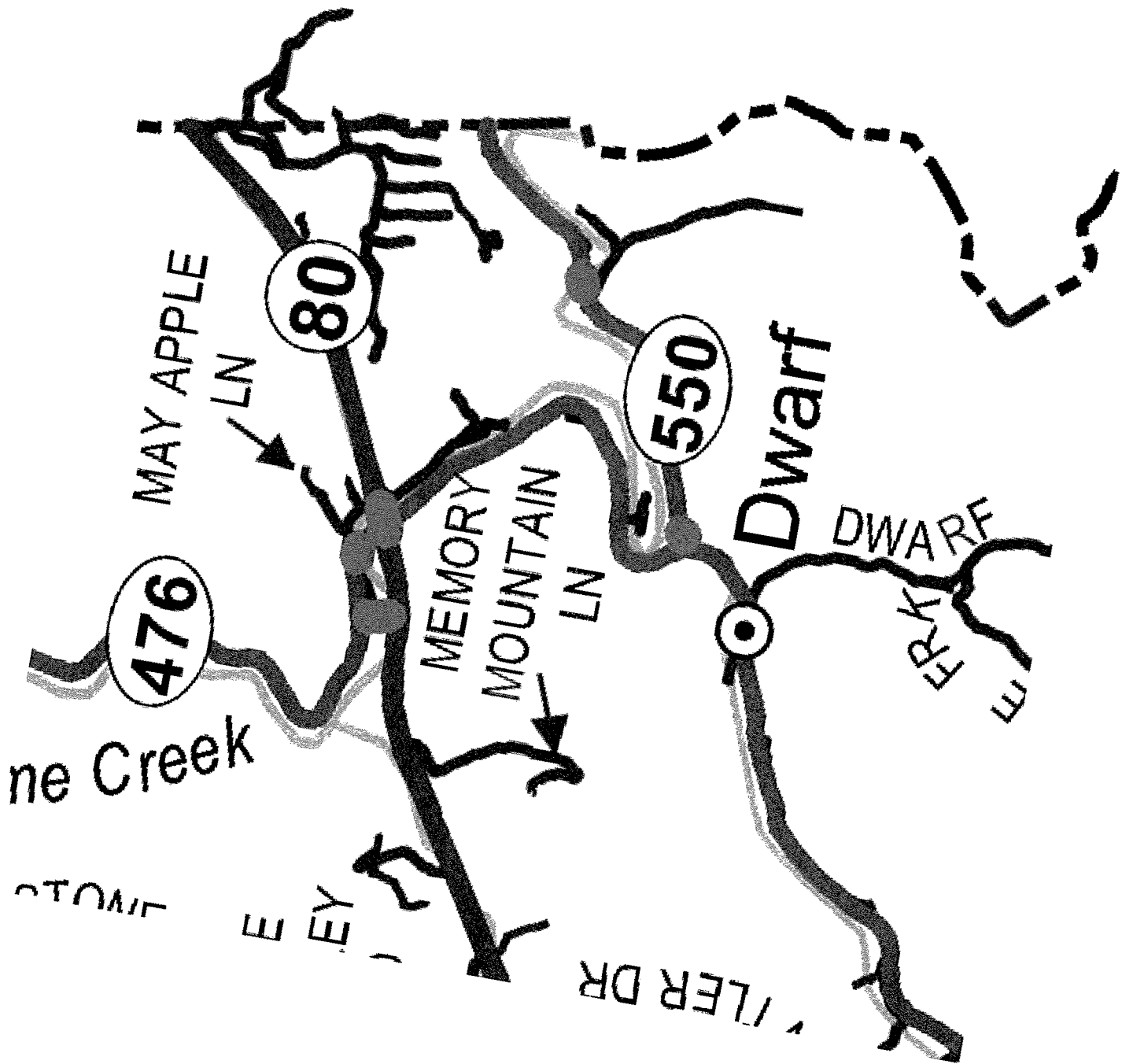
BY

ENGG CK EJC

DATE: 10-31-12

DWG

**7-2775**





Kentucky Transportation Cabinet  
 Department of Highways  
 Permits Branch

**APPLICATION FOR ENCROACHMENT PERMIT**

<b>Permittee Information</b>				<b>KYTC No.</b>			
Name	Kentucky Power Company			<b>Permit Information</b>			
Address	PO Box 2021			Address	<del>SR-1847</del> <sup>476</sup> (Creekside Drive)		
				City			
City	Roanoke			State	Zip		
State	VA	Zip	24022	County	Perry County		
Phone#	540 562-7118			Route No.	<del>SR-1847</del> <sup>476</sup>	Mile-Point	<del>0.05</del> <sup>8.5</sup>
Contact	John Edwards			Longitude (X)	83°07'40" W		
Phone	540 562-7118	Cell		Latitude (Y)	37°20'47" N		
Email	jdedwards@aep.com			<i>Information below to be filled out by KYTC</i>			
Contact	Fred Hogrefe			<input type="checkbox"/> Air Right	<input type="checkbox"/> Entrance		
Phone	540 562-7063	Cell		<input type="checkbox"/> Utilities	<input type="checkbox"/> Other: _____		
Email	fvhogrefe@aep.com				<input type="checkbox"/> Left	<input type="checkbox"/> Right	<input type="checkbox"/> X-ing
				Access:	<input type="checkbox"/> Full	<input type="checkbox"/> Partial	<input type="checkbox"/> by Permit

**General Description of Work:**

Install overhead transmission line from ridge to ridge over highway. Creekside Drive has a 252' minimum clearance over road.

THE UNDERSIGNED PERMITTEE(S) (being duly authorized representative(s) or owner(s)) DO AGREE TO ALL TERMS AND CONDITIONS ON THE TC 99-1 (A).

Signature: FV Hogrefe Date: 1/18/2013

This is not a permit unless and until the permittee(s) receives an approved TC 99-1(B) from KYTC. This application will become void if not approved by the cancellation date. The cancellation date will be one year from the date the permittee submits their application.



**ENCROACHMENT PERMIT**

**KEPTS No.:** \_\_\_\_\_  
**Permittee:** Kentucky Power Company  
**Latitude:** 37°20'47" N  
**Longitude:** 83°07'40" W  
**Completion Date:** October 31, 2014

Coordinates provided on the TC 99-1(B) are the approved location for this permit.

Indemnities		
Type	Amount Required	Tracking Number
Performance Bond		
Payment Bond		
Liability Insurance		

**This permit has been:**

**APPROVED**       **DENIED**

---

**NAME** \_\_\_\_\_ **TITLE** \_\_\_\_\_

---

**SIGNATURE** \_\_\_\_\_ **DATE** \_\_\_\_\_

The TC 99-1(B), including the application TC-99 1(A) and all related and accompanying documents and drawings make up the permit. It is not a permit unless both the TC 99-1(A) and TC 99-1(B) are both present.

Proposed Structure  
K408-41

74.1'

Max Conductor  
Sag @ 482°F

Proposed Structure  
K408-42

54'

Not Less  
Than 252'

Dist. Line ⊕

Dist. Line ⊕

CL Proposed Structure

CL Proposed Structure

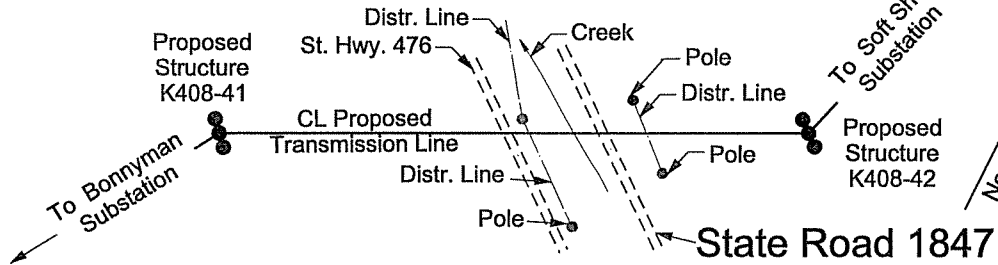
CL Hwy.

799'

439'

1238'

N63°43'43"E



DATE	REVISIONS	BY	CK.	APP.

**KENTUCKY POWER COMPANY**

BONNYMAN - SOFT SHELL 138KV LINE  
PROPOSED TRANSMISSION LINE CROSSING OVER

**STATE ROAD 1847**  
(Creskide Drive)

PERRY COUNTY

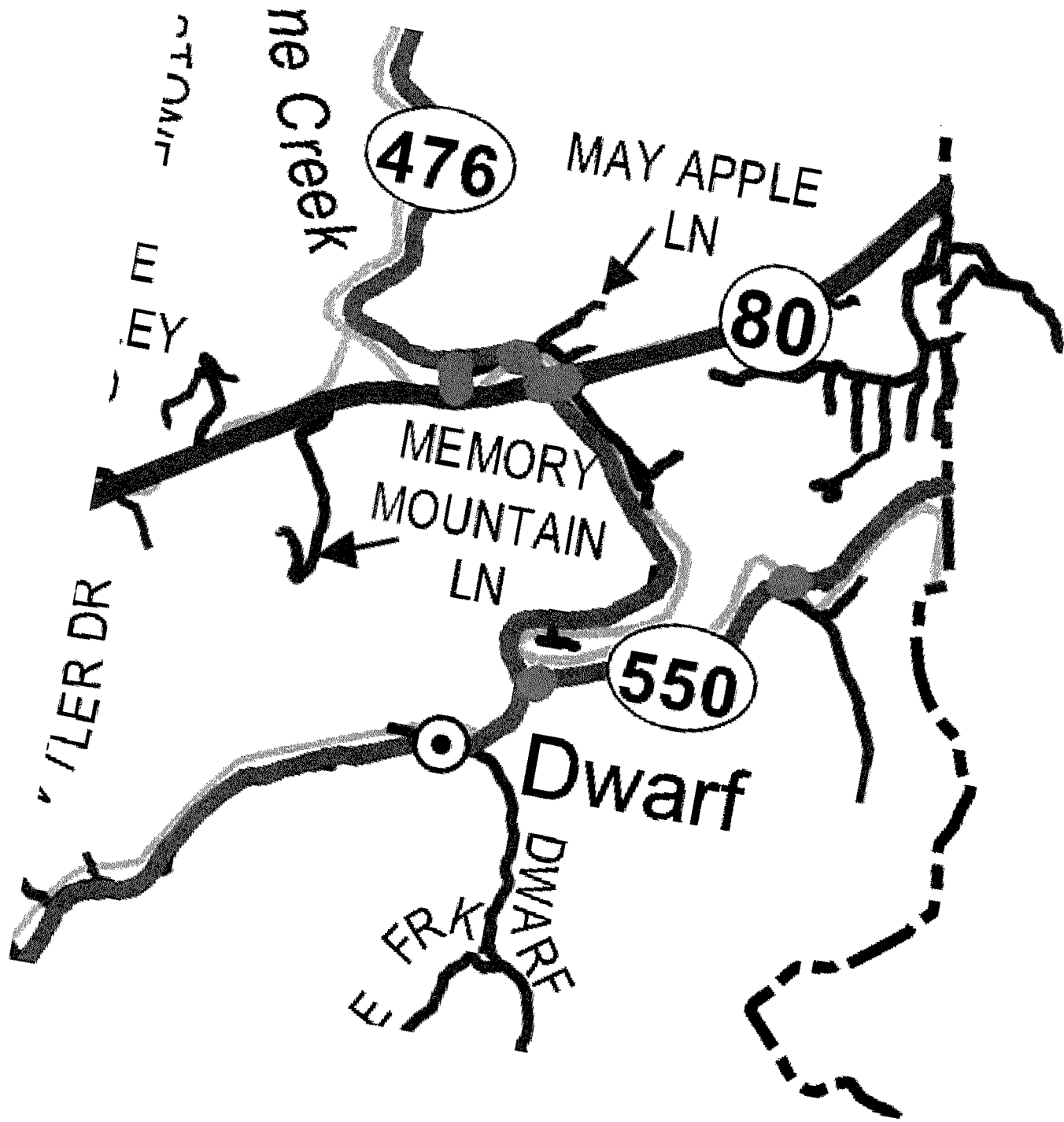
KENTUCKY

POWER ENGINEERS

DRAWN: DVW  
TR/CK BY JAH  
ENGG CK EJC  
DATE: 10-31-12

APPROVED  
BY

DWG NO **7-2776**





Kentucky Transportation Cabinet  
 Department of Highways  
 Permits Branch

**APPLICATION FOR ENCROACHMENT PERMIT**

<b>Permittee Information</b>				<b>KYTC No.</b>			
Name	Kentucky Power Company			<b>Permit Information</b>			
Address	PO Box 2021			Address			
				City			
City	Roanoke			State		Zip	
State	VA	Zip	24022	County		Perry County	
Phone#	540 562-7118			Route No.	KY-80	Mile-Point	15.1
Contact	John Edwards			Longitude (X) 83°07'33" W			
Phone	540 562-7118	Cell		Latitude (Y) 37°20'53" N			
Email	jdedwards@aep.com			<i>Information below to be filled out by KYTC</i>			
Contact	Fred Hogrefe			<input type="checkbox"/> Air Right		<input type="checkbox"/> Entrance	
Phone	540 562-7063	Cell		<input type="checkbox"/> Utilities		<input type="checkbox"/> Other: _____	
Email	fvhogrefe@aep.com			<input type="checkbox"/> Left		<input type="checkbox"/> Right	
				<input type="checkbox"/> Full		<input type="checkbox"/> Partial	
						<input type="checkbox"/> X-ing	
				Access:		<input type="checkbox"/> by Permit	

**General Description of Work:**

Install overhead transmission line from ridge to ridge over highway. Highway 80 has a 168' minimum clearance over road.

THE UNDERSIGNED PERMITTEE(s) (being duly authorized representative(s) or owner(s)) DO AGREE TO ALL TERMS AND CONDITIONS ON THE TC 99-1 (A).

Signature F V Hogrefe Date 1/18/2017

This is not a permit unless and until the permittee(s) receives an approved TC 99-1(B) from KYTC. This application will become void if not approved by the cancellation date. The cancellation date will be one year from the date the permittee submits their application.



Kentucky Transportation Cabinet  
 Department of Highways  
 Permits Branch

TC 99-1 (B)  
 1/2012  
 Page 1 of 1

**ENCROACHMENT PERMIT**

**KEPTS No.:** \_\_\_\_\_  
**Permittee:** Kentucky Power Company  
**Latitude:** 37°20'53" N  
**Longitude:** 83°07'33" W  
**Completion Date:** October 31, 2014

Coordinates provided on the TC 99-1(B) are the approved location for this permit.

Indemnities		
Type	Amount Required	Tracking Number
Performance Bond		
Payment Bond		
Liability Insurance		

This permit has been:

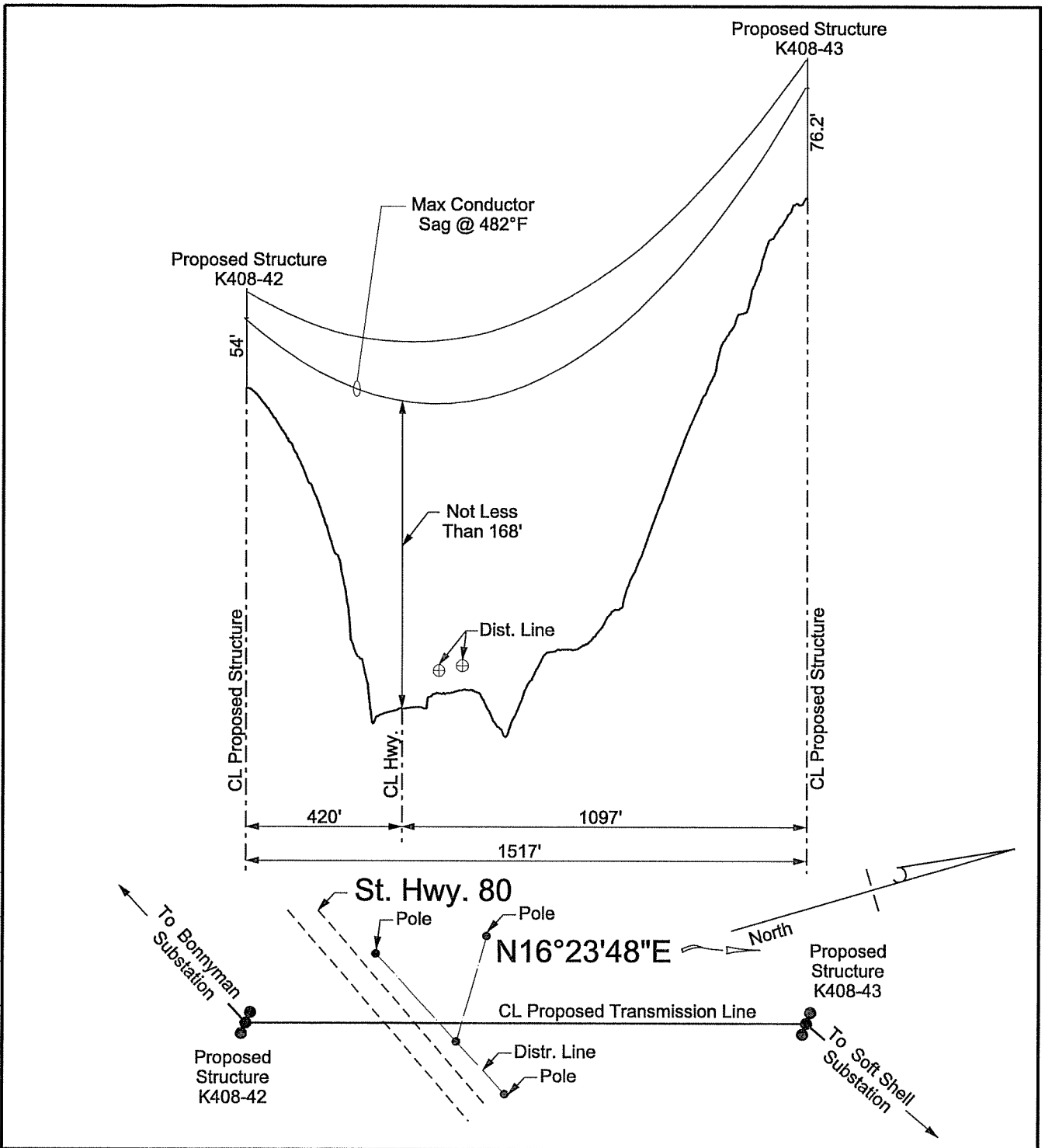
APPROVED  DENIED

\_\_\_\_\_  
**NAME** **TITLE**

\_\_\_\_\_  
**SIGNATURE** **DATE**

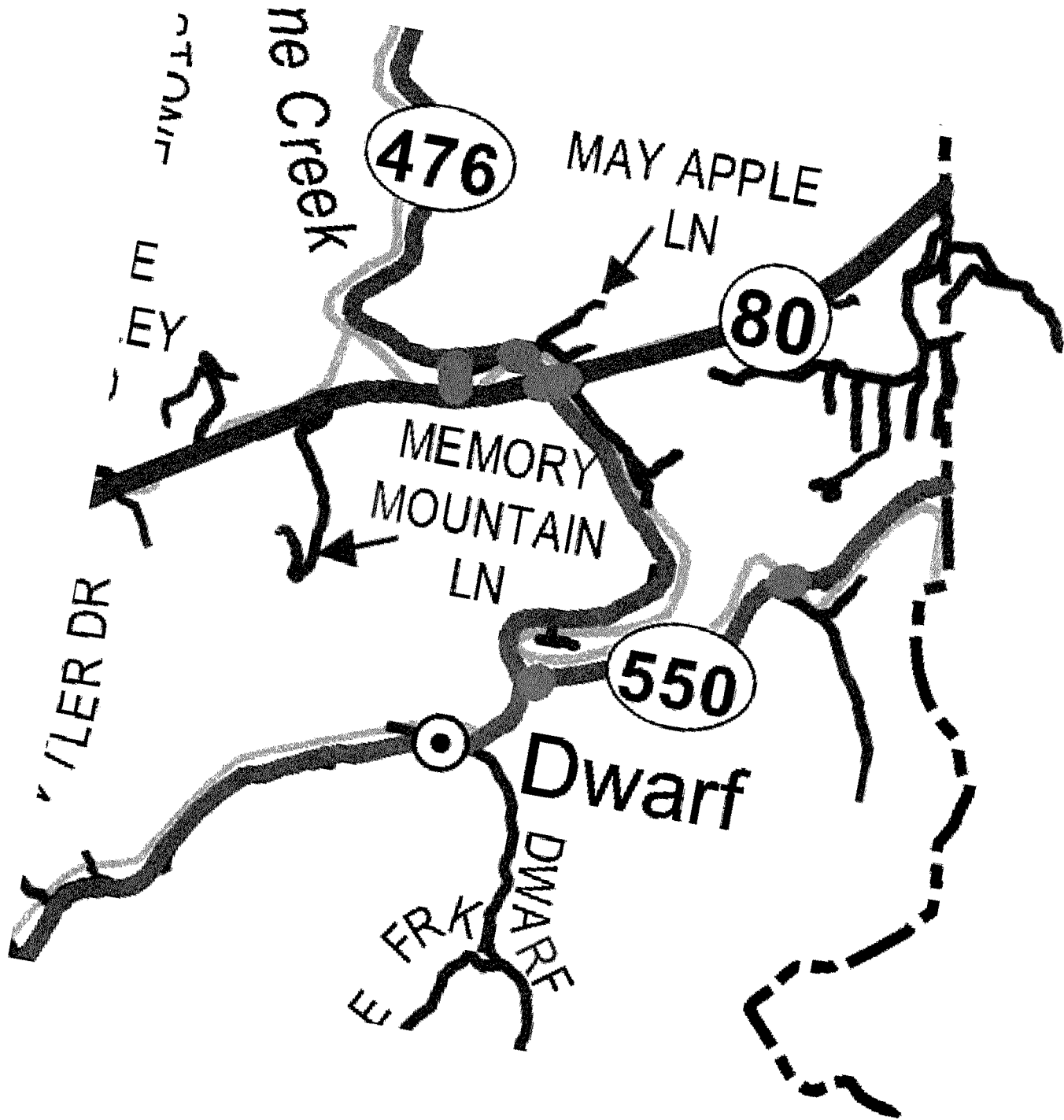
The TC 99-1(B), including the application TC-99 1(A) and all related and accompanying documents and drawings make up the permit. It is not a permit unless both the TC 99-1(A) and TC 99-1(B) are both present.





DATE	REVISIONS	BY	CK.	APP.

<b>KENTUCKY POWER COMPANY</b>	
BONNYMAN - SOFT SHELL 138KV LINE PROPOSED TRANSMISSION LINE CROSSING OVER <b>STATE HIGHWAY 80</b>	
PERRY COUNTY	KENTUCKY
POWER ENGINEERS	
DRAWN: DVW	APPROVED BY
TR/CK BY JAH	
ENGG CK EJC	
DATE: 10-31-12	DWG NO <b>7-2777</b>





## APPLICATION FOR ENCROACHMENT PERMIT

### TERMS AND CONDITIONS

1. The permit, including this application and all related and accompanying documents and drawings making up the permit, remains in effect and is binding upon the Applicant/Permittee, its successors and assigns, as long as the encroachment(s) exists and also until the permittee is finally relieved by the Department of Highways from all its obligations.
2. Applicant shall meet all requirements of the Clean Water Act if the project will disturb one acre or more, the applicant shall obtain a KPDES KYR10 Permit from the Kentucky Division of Water. All disturbed areas shall meet the requirements of the Department of Highway's Standard Specifications, Sections 212 and 213, as amended.
3. **INDEMNITY:**
  - A. **PERFORMANCE BOND:** The permittee shall provide to the Department a performance bond according to the Permits Manual, Section PE-203 as a guarantee of conformance with the Department's Encroachment Permit requirements.
  - B. **PAYMENT BOND:** At the discretion of the department, a payment bond will be required of the permittee to ensure payment of liquidated damages assessed to the permittee.
  - C. **LIABILITY INSURANCE:** Liability insurance will be required of the permittee (in an amount approved by the department) to cover all liabilities associated with the encroachment.
  - D. It shall be the responsibility of the permittee, its successors and assigns, to maintain all indemnities in full force and effect until the permittee is authorized to release the indemnity by the Department.
4. A copy of this application and all related documents making up the approved permit will be given to the applicant and shall be made readily available for review at the work site at all times.
5. Perpetual maintenance of the encroachment is the responsibility of the permittee, its successors and assigns, with the approval of the Department as required, unless otherwise stated.
6. Permittee, its successors and assigns, shall comply with and agrees to be bound by the requirements and terms of (a) this application and all related documents making up the approved permit, (b) by the Department's Permits Manual, and (c) by the Manual on Uniform Traffic Control Devices, both manuals as revised to and in effect on the date of issuance of the permit, all of which documents are made a part thereof by this reference. Compliance by the permittee, its successors and assigns, with subsequent revisions to applicable provisions of either manual or other policy of the Department may be made a condition of allowing the encroachment to persist under the permit.
7. Permittee agrees that this and any encroachment may be ordered removed by the Department at any time, and for any reason, upon thirty days written notice to the last known address of the applicant or to the address at the location of the encroachment. The permittee agrees that the cost of removing and of restoring the associated right-of-way is the responsibility of the permittee, its successors and assigns.
8. Permittee, its successors and assigns, agree that if the Department determines that motor vehicular safety deficiencies develop as a result of the installation or use of the encroachment, the permittee, its successors and assigns, shall provide and bear the expenses to adjust, relocate, or reconstruct the facilities, and/or add signs, auxiliary lanes, or other corrective measures reasonably deemed necessary by the Department within a reasonable time after receipt of a written notice of such deficiency. The period within which such adjustments, relocations, additions, modifications, and/or other corrective measures must be completed will be specified in the notice.



**APPLICATION FOR ENCROACHMENT PERMIT**

9. Where traffic signals are required as a condition of granting the requested permit or are thereafter required to correct motor vehicular safety deficiencies, as determined by the Department, the costs for signal equipment and installation(s) shall be borne by the permittee, its successors and assigns, and/or the Department in its reasonable discretion and only in accordance with the Department’s current policy set forth in the Traffic Operations Manual and Permits Manual. Any modifications to the permittee’s entrance necessary to accommodate signalization (including necessary easement(s) on private property) shall be the responsibility of the permittee, its successors and assigns, at no expense to the Department.

10. The requested encroachment shall not infringe on the frontage rights of an abutting owner without their written consent as hereinafter described. Each abutting owner shall express their consent, which shall be binding on their successors and assigns, by the submission of a notarized statement as follows, “I (we), \_\_\_\_\_, hereby consent to the granting of the permit requested by the applicant along Route \_\_\_\_\_, which permit does affect frontage rights along my (our) adjacent real property.” By signature(s) \_\_\_\_\_, subscribed and sworn by \_\_\_\_\_, on this date \_\_\_\_\_.

11. The permit, if approved, is subject to the agreement that it shall not interfere with any similar rights or permit(s) previously granted to any other party, except as otherwise provided by law.

12. Permittee shall include documentation which describes the facilities to be constructed. Permittee, its successors and assigns, agrees as a condition of the granting of the permit to construct and maintain any and all permitted facilities or other encroachments in strict accordance with the submitted and approved permit documentation and the policies and procedures of the Department. Permittee, its successors and assigns, shall not use facilities authorized herein in any manner contrary to that prescribed by the approved permit. Only normal usage as contemplated by the parties and by this application and routine maintenance are authorized by the permit.

13. Permittee, its successors and assigns, at all times from the date permitted work is commenced until such time as all permitted facilities or other encroachments are removed from the right-of-way and the right-of-way restored, **shall defend, protect, indemnify and save harmless** the Department from any and all liability claims and demands arising out of the work, encroachment, maintenance, or other undertaking by the permittee, its successors and assigns, related or undertaken pursuant to the granted permit, due to any claimed act or omission by the permittee, its servants, agents, employees, or contractors. This provision shall not inure to the benefit of any third party nor operate to enlarge any liability of the Department beyond that existing at common law or otherwise if this right to indemnity did not exist.

14. Upon a violation of any provision of the permit, or otherwise in its reasonable discretion, the Department may require additional action by the permittee, its successors and assigns, up to and including the removal of the encroachment and restoration of the right-of-way. In the event additional actions required by the Department under the permit are not undertaken as ordered and within a reasonable time, the Department may in its discretion cause those or other additional corrective actions to be undertaken and the Department may and shall recover the reasonable costs of those corrective actions from the permittee, its successors and assigns.

15. Permittee, its successors and assigns, shall use the encroachment premises in compliance with all requirements of federal law and regulation, including those imposed pursuant to Title VI of the Civil Right Act of 1964 (42 U.S.C. § 2000d et seq.) and the related regulations of the U.S. Department of Transportation in Title 49 C.F.R. Part 21, all as amended.



### **APPLICATION FOR ENCROACHMENT PERMIT**

**16.** Permittee, its successors and assigns, agree that if the Department determines it is necessary for the facilities or other encroachment authorized by the permit to be removed, relocated or reconstructed in connection with the reconstruction, relocation or improvement of a highway, the Department may revoke permission for the encroachment to remain under the permit and may order its removal, relocation or reconstruction by the permittee, its successors and assigns, at the expense of the permittee, except where the Department is required by law to pay any or all of those costs.

**17.** Permittee agrees that the authorized permit is personal to the permittee and shall remain in effect until such time as (a) the permittee's rights to the adjoining real property to have benefitted from the requested encroachment have been relinquished, (b) until all permit obligations have been assumed by appropriate successors and assigns, and (c) unless and until a written release from permit obligations has been granted by the Department. The permit and its requirements shall also bind the real property to have benefitted from the requested encroachment to the extent permitted by law. The permit and the related encroachment become the responsibility of the successors and assigns of the permittee and the successors and assigns of each property owner benefitting from the encroachment, or the encroachment may not otherwise permissibly continue to be maintained on the right-of-way. (Does not apply to utility encroachments serving the general public.)

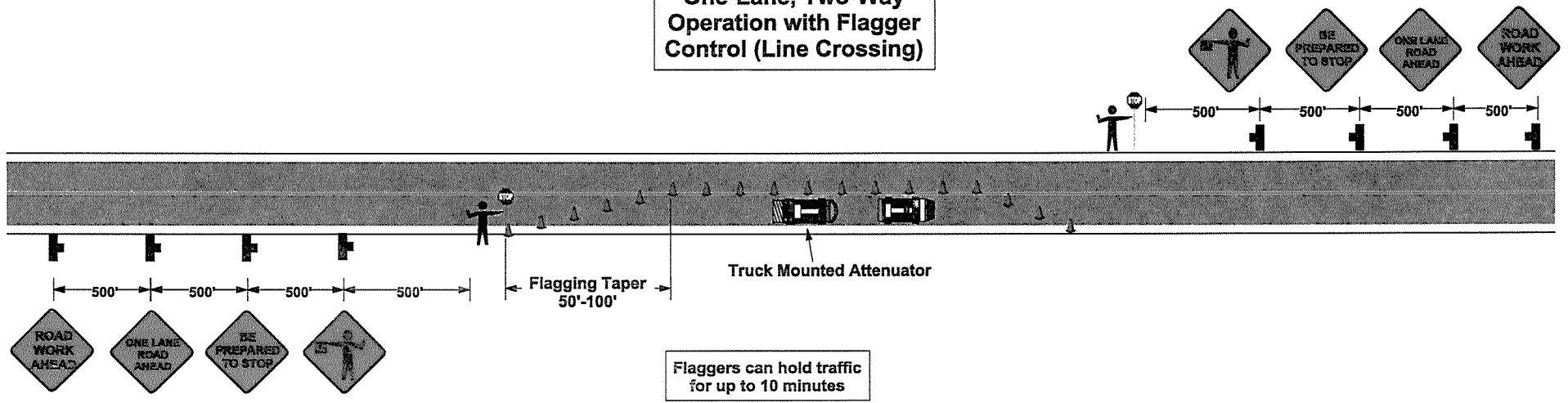
**18.** If work authorized by the permit is within a highway construction project in the construction phase, it shall be the responsibility of the permittee to make personal contact with the Department's Engineer on the project in order to coordinate all permitted work with the Department's prime contractor on the project.

**19.** This permit is not intended to, nor shall it, affect, alter or alleviate any requirement imposed upon the permittee, its successors and assigns, by any other agency.

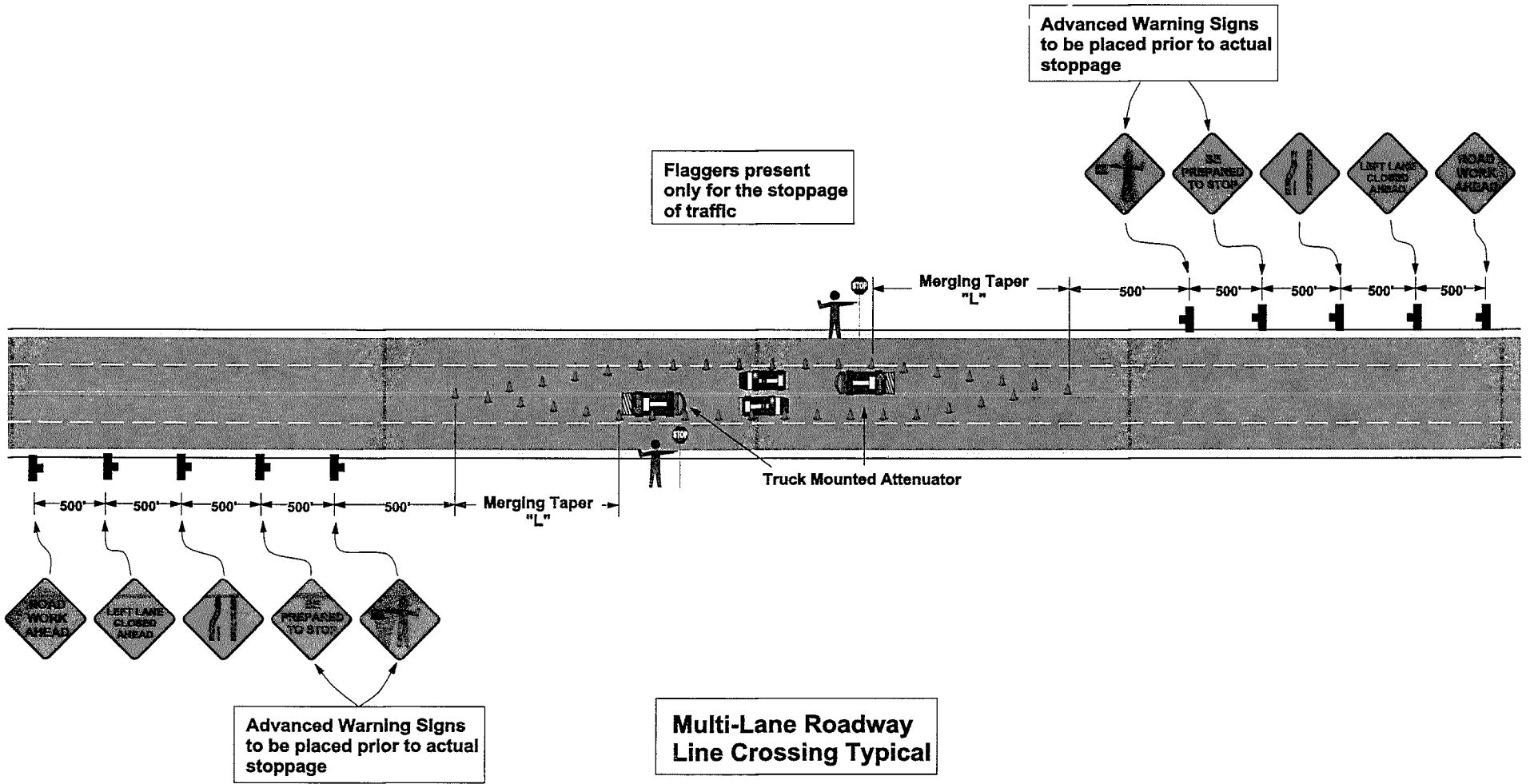
**20.** Permittee, its successors and assigns, agrees to contain and maintain all dirt, mud, and other debris emanating from the encroachment away from the surrounding right-of-way and the travel way of the highway hereafter and at all times that its obligations under the permit remain in effect.

**Legend**  
▲ ▲ Cones

**One-Lane, Two-Way  
Operation with Flagger  
Control (Line Crossing)**



**Legend**  
▲ ▲ Cones





STEVEN L. BESHEAR  
GOVERNOR

LEONARD K. PETERS  
SECRETARY

**ENERGY AND ENVIRONMENT CABINET**  
DEPARTMENT FOR ENVIRONMENTAL PROTECTION  
DIVISION OF WATER  
200 FAIR OAKS LANE, 4TH FLOOR  
FRANKFORT, KENTUCKY 40601  
[www.kentucky.gov](http://www.kentucky.gov)

June 26, 2012

Mr. John M McManus  
American Electric Power Service Corporation  
1 Riverside Plaza  
Columbus , OH 43215

Re: KYR10 Coverage Acknowledgment  
KPDES No.: KYR10G640  
Bonnyman-Softshell 138kV Transmission Line  
Permit Type: Construction  
AI ID: 115512  
Perry County, Kentucky

Dear Mr. John M McManus:

The discharges associated with the Notice of Intent you submitted have been approved for coverage under the "Kentucky Pollutant Discharge Elimination System (KPDES) General Permit for Stormwater Discharges Associated with Construction Activities (KYR10)" permit. This coverage becomes effective the date of this correspondence and will remain effective until the general permit expires or the Division of Water revokes coverage. During this period of coverage all discharges shall comply with the conditions of the applicable general permit. A copy of the general permit the operator is now covered by can be found on our website: <http://water.ky.gov>.

Any questions concerning the general permit and its requirements should be directed to me at (502) 564-3410.

Facility Site: Linear Project, Bonnyman, KY 41719

Sincerely,

A handwritten signature in black ink, appearing to read "Allen Ingram II".

**Allen Ingram II, EIT**  
SWPB  
Division of Water

ALI





STEVEN L. BESHEAR  
GOVERNOR

LEONARD K. PETERS  
SECRETARY

**ENERGY AND ENVIRONMENT CABINET**  
DEPARTMENT FOR ENVIRONMENTAL PROTECTION  
DIVISION OF WATER  
200 FAIR OAKS LANE, 4TH FLOOR  
FRANKFORT, KENTUCKY 40601  
[www.kentucky.gov](http://www.kentucky.gov)

December 13, 2012

John McManus  
Kentucky Power dba American Electric Power Co  
1 Riverside Plaza  
Columbus , OH 43215

KYR10 Coverage Acknowledgment  
KPDES No.: KYR10H075  
Bonnyman Station  
Permit Type: Construction  
AI ID: 115512  
Perry County, Kentucky

Dear John McManus:

The discharges associated with the Notice of Intent you submitted have been approved for coverage under the "Kentucky Pollutant Discharge Elimination System (KPDES) General Permit for Stormwater Discharges Associated with Construction Activities (KYR10)" permit. This coverage becomes effective the date of this correspondence and will remain effective until the general permit expires or the Division of Water revokes coverage. During this period of coverage all discharges shall comply with the conditions of the applicable general permit. A copy of the general permit the operator is now covered by can be found on our website: <http://water.ky.gov>.

Any questions concerning the general permit and its requirements should be directed to me at (502) 564-3410.

Facility Site: 1008 KY267, Hazard. Kentucky 41719

Sincerely,

A handwritten signature in cursive script that reads "Cassie Campbell".

**Cassie Campbell**  
Surface Water Permits Branch  
Division of Water



Notice of Proposed Construction or Alteration - Off Airport

Project Name: POWER-000221073-12

Sponsor: Power Engineers for AEP

Details for Case : Cat 35-36 (Point on Static Wire)

Show Project Summary

Case Status

ASN: 2012-ASO-10503-OE

Status: Determined

7460-2 (PART II) required within 5 days after the construction reaches its greatest height.

Add Supplemental Notice (7460-2)

Public Comments: None

Date Accepted: 11/02/2012

Date Determined: 01/22/2013

Letters: 01/22/2013 DNE

Documents: 11/01/2012 FAA\_35 to 36\_Exp ...

Project Documents: None

Construction / Alteration Information

Notice Of: Construction

Duration: Permanent

if Temporary : Months: Days:

Work Schedule - Start: 04/15/2013

Work Schedule - End: 10/16/2014

\*For temporary cranes-Does the permanent structure require separate notice to the FAA? To find out, use the Notice Criteria Tool. If separate notice is required, please ensure it is filed. If it is not filed, please state the reason in the Description of Proposal.

State Filing:

Structure Summary

Structure Type: Transmission Line

Structure Name: Cat 35-36 (Point on Static Wire)

NOTAM Number:

FCC Number:

Prior ASN:

Structure Details

Latitude: 37° 20' 10.52" N

Longitude: 83° 8' 16.05" W

Horizontal Datum: NAD83

Site Elevation (SE): 1167 (nearest foot)

Structure Height (AGL): 215 (nearest foot)

Current Height (AGL): (nearest foot)

\* For notice of alteration or existing provide the current AGL height of the existing structure. Include details in the Description of Proposal

Nacelle Height (AGL): (nearest foot)

\* For Wind Turbines 500ft AGL or greater

Requested Marking/Lighting: Spherical Markers

Other :

Recommended Marking/Lighting: Dual medium catenary

Current Marking/Lighting: N/A New Structure

Other :

Nearest City: Hazard

Nearest State: Kentucky

Description of Location: Mountainous terrain in eastern Kentucky

Description of Proposal: This filing is not for a structure, but is a point on a static wire where it is the highest AGL. (See attached exhibit) Bonnyman to Soft Shell 138kV K408.

Common Frequency Bands

Low Freq High Freq Freq Unit ERP ERP Unit

Specific Frequencies

Note: Point 'A' = The Highest Elevation Point On The Top Most Wire of The Section of Sag Over 200' AGL.

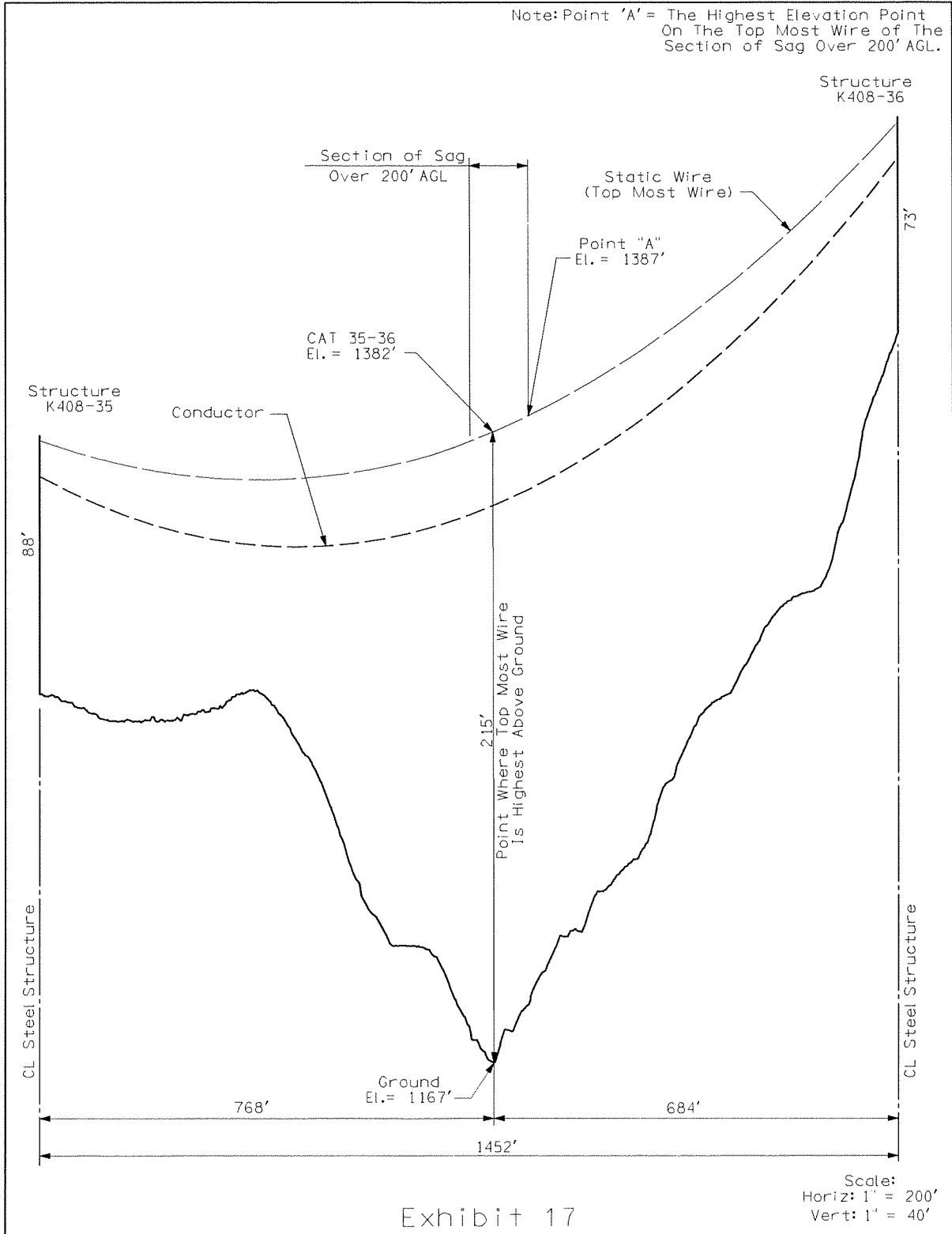


Exhibit 17



Mail Processing Center  
 Federal Aviation Administration  
 Southwest Regional Office  
 Obstruction Evaluation Group  
 2601 Meacham Boulevard  
 Fort Worth, TX 76137

Aeronautical Study No.  
 2012-ASO-10503-OE

Issued Date: 01/22/2013

Erica Cutler  
 Power Engineers for AEP  
 1041 521 Corporate Center Drive, Suite 105  
 Fort Mill, SC 29707

**\*\* DETERMINATION OF NO HAZARD TO AIR NAVIGATION \*\***

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Transmission Line Cat 35-36 (Point on Static Wire)
Location:	Hazard, KY
Latitude:	37-20-10.52N NAD 83
Longitude:	83-08-16.05W
Heights:	1167 feet site elevation (SE) 215 feet above ground level (AGL) 1382 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

As a condition to this Determination, the structure is marked/lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, dual medium catenary - Chapters 4,10(Catenary),&12.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

**See attachment for additional condition(s) or information.**

Any height exceeding 215 feet above ground level (1382 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 07/22/2014 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.

- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

If we can be of further assistance, please contact our office at (847) 294-7458. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2012-ASO-10503-OE.

**Signature Control No: 176290002-181532390**

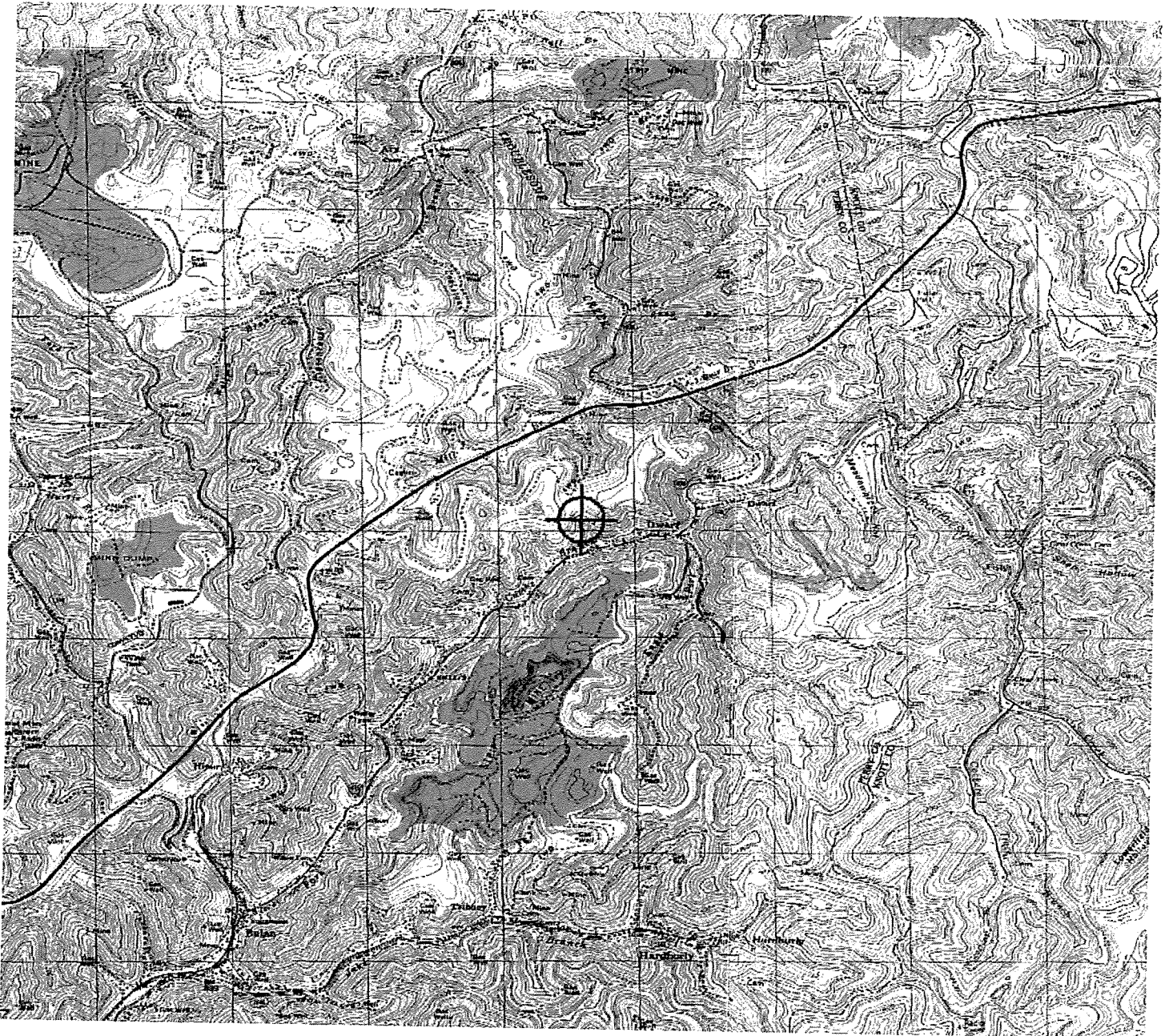
( DNE )

Fred Souchet  
Specialist

Attachment(s)  
Additional Information  
Map(s)

## **Additional information for ASN 2012-ASO-10503-OE**

Based on this evaluation the request for Spherical Markers cannot be granted . Spherical Markers are required if the wire voltage is less than 69 KV. The wire voltage for the above transmission lines is 138kV. Therefore, IAW AC 70/7460-1 K Change 2 this structure is to be marked/lighted with dual medium catenary lighting - Chapters 4, 10 (Centenary) & 12.





### Notice of Proposed Construction or Alteration - Off Airport

**Project Name:** POWER-000221073-12

**Sponsor:** Power Engineers for AEP

#### Details for Case : Cat 41-42 (Point on Static Wire)

Show Project Summary

##### Case Status

**ASN:** 2012-ASO-10504-OE  
**Status:** Determined

**Date Accepted:** 11/02/2012

**Date Determined:** 01/22/2013

**Letters:** 01/22/2013 DNE

7460-2 (PART II) required within 5 days after the construction reaches its greatest height.

**Documents:** 11/01/2012 FAA\_41 to 42\_Exb ...

Add Supplemental Notice (7460-2)

**Public Comments:** None

**Project Documents:**  
None

##### Construction / Alteration Information

**Notice Of:** Construction  
**Duration:** Permanent  
**if Temporary :** Months: Days:  
**Work Schedule - Start:** 04/15/2013  
**Work Schedule - End:** 10/16/2014

##### Structure Summary

**Structure Type:** Transmission Line  
**Structure Name:** Cat 41-42 (Point on Static Wire)  
**NOTAM Number:**  
**FCC Number:**  
**Prior ASN:**

*\*For temporary cranes-Does the permanent structure require separate notice to the FAA? To find out, use the Notice Criteria Tool. If separate notice is required, please ensure it is filed. If it is not filed, please state the reason in the Description of Proposal.*

State Filing:

##### Structure Details

**Latitude:** 37° 20' 46.95" N  
**Longitude:** 83° 7' 40.52" W  
**Horizontal Datum:** NAD83  
**Site Elevation (SE):** 881 (nearest foot)  
**Structure Height (AGL):** 318 (nearest foot)  
**Current Height (AGL):** (nearest foot)  
*\* For notice of alteration or existing provide the current AGL height of the existing structure. Include details in the Description of Proposal*

##### Common Frequency Bands

Low Freq High Freq Freq Unit ERP ERP Unit

##### Specific Frequencies

**Nacelle Height (AGL):** (nearest foot)  
*\* For Wind Turbines 500ft AGL or greater*

**Requested Marking/Lighting:** Spherical Markers

**Other :**

**Recommended Marking/Lighting:** Dual medium catenary

**Current Marking/Lighting:** N/A New Structure

**Other :**

**Nearest City:** Hazard

**Nearest State:** Kentucky

**Description of Location:** Mountainous terrain in eastern Kentucky  
*On the Project Summary page upload any certified survey.*

**Description of Proposal:** This filing is not for a structure, but is a point on a static wire where it is the highest AGL. (See attached exhibit) Bonnyman to Soft Shell 138kV K408.



Note: Point 'A' = The Highest Elevation Point On The Top Most Wire of The Section of Sag Over 200' AGL.

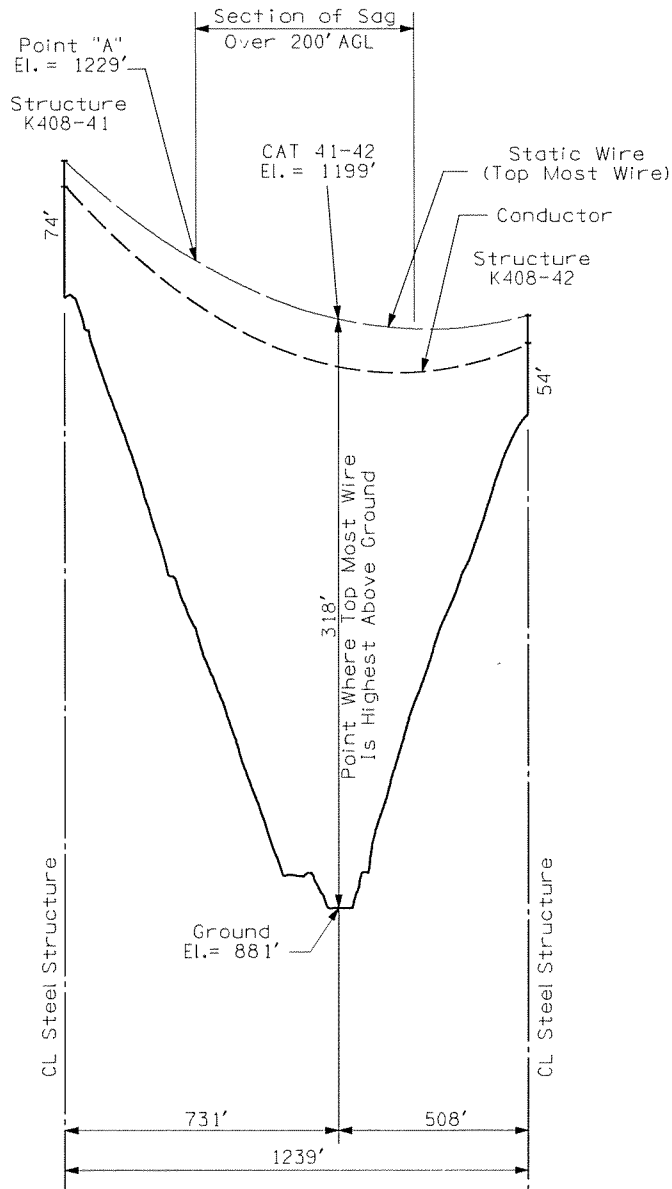


Exhibit 18

Scale:  
Horiz: 1" = 400'  
Vert: 1" = 80'



Mail Processing Center  
 Federal Aviation Administration  
 Southwest Regional Office  
 Obstruction Evaluation Group  
 2601 Meacham Boulevard  
 Fort Worth, TX 76137

Aeronautical Study No.  
 2012-ASO-10504-OE

Issued Date: 01/22/2013

Erica Cutler  
 Power Engineers for AEP  
 1041 521 Corporate Center Drive, Suite 105  
 Fort Mill, SC 29707

**\*\* DETERMINATION OF NO HAZARD TO AIR NAVIGATION \*\***

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure: Transmission Line Cat 41-42 (Point on Static Wire)  
 Location: Hazard, KY  
 Latitude: 37-20-46.95N NAD 83  
 Longitude: 83-07-40.52W  
 Heights: 881 feet site elevation (SE)  
 318 feet above ground level (AGL)  
 1199 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

As a condition to this Determination, the structure is marked/lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, dual medium catenary - Chapters 4,10(Catenary),&12.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

**See attachment for additional condition(s) or information.**

Any height exceeding 318 feet above ground level (1199 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 07/22/2014 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.

- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

If we can be of further assistance, please contact our office at (847) 294-7458. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2012-ASO-10504-OE.

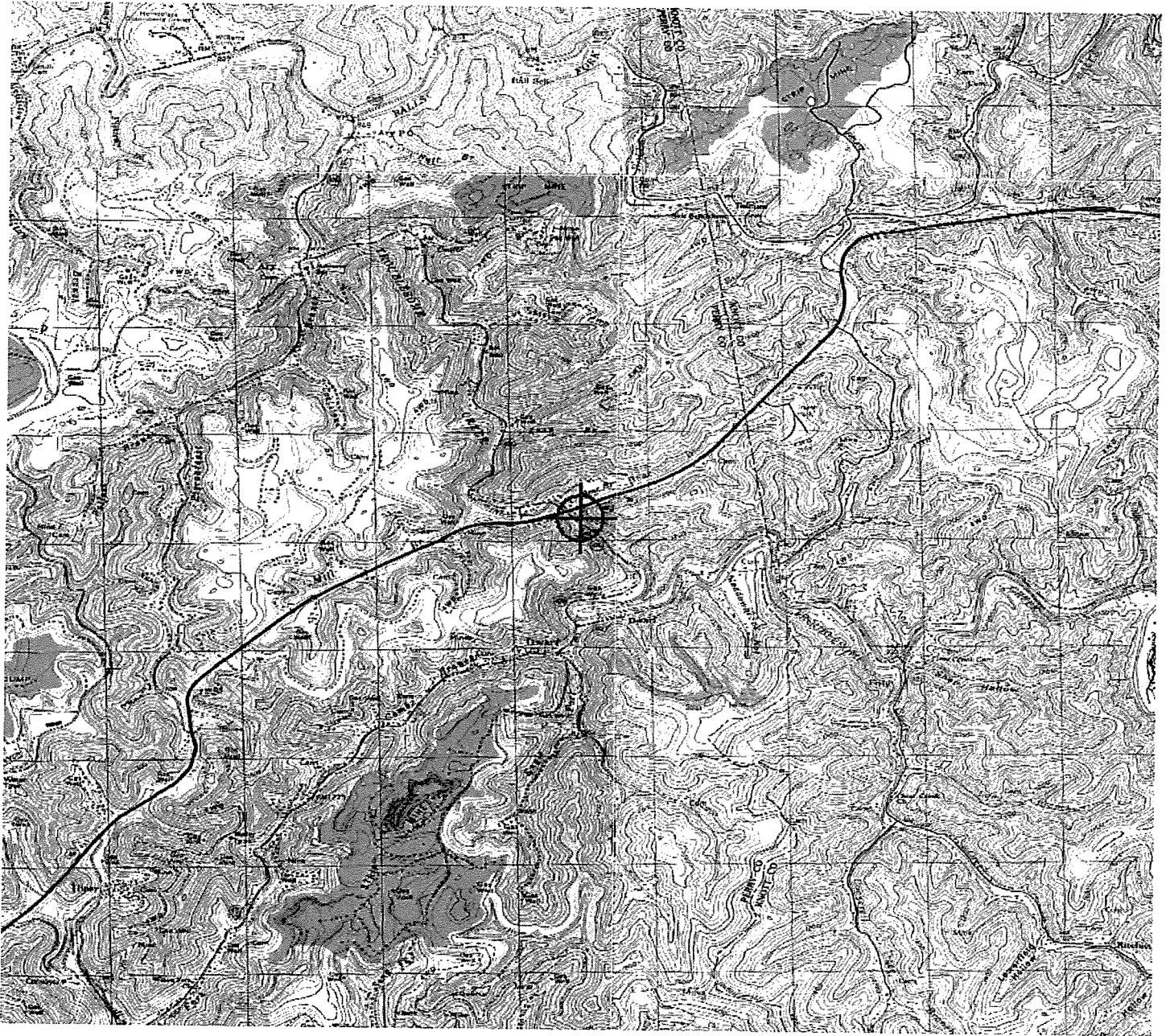
**Signature Control No: 176290013-181532378**  
Fred Souchet  
Specialist

( DNE )

Attachment(s)  
Additional Information  
Map(s)

**Additional information for ASN 2012-ASO-10504-OE**

Based on this evaluation the request for Spherical Markers cannot be granted . Spherical Markers are required if the wire voltage is less than 69 KV. The wire voltage for the above transmission lines is 138kV. Therefore, IAW AC 70/7460-1 K Change 2 this structure is to be marked/lighted with dual medium catenary lighting - Chapters 4, 10 (Centenary) & 12.





### Notice of Proposed Construction or Alteration - Off Airport

Project Name: POWER-000221073-12

Sponsor: Power Engineers for AEP

#### Details for Case : Cat 42-43 (Point on Static Wire)

Show Project Summary

##### Case Status

ASN: 2012-ASO-10505-OE  
Status: Determined

Date Accepted: 11/02/2012

Date Determined: 01/22/2013

Letters: 01/22/2013 DNE

7460-2 (PART II) required within 5 days after the construction reaches its greatest height.

Documents: 11/01/2012 FAA\_42 to 43\_Exb ...

Add Supplemental Notice (7460-2)

Public Comments: None

Project Documents: None

##### Construction / Alteration Information

Notice Of: Construction  
Duration: Permanent  
**if Temporary :** Months: Days:  
Work Schedule - Start: 04/15/2013  
Work Schedule - End: 10/16/2014

##### Structure Summary

Structure Type: Transmission Line  
Structure Name: Cat 42-43 (Point on Static Wire)  
NOTAM Number:  
FCC Number:  
Prior ASN:

*\*For temporary cranes-Does the permanent structure require separate notice to the FAA? To find out, use the Notice Criteria Tool. If separate notice is required, please ensure it is filed. If it is not filed, please state the reason in the Description of Proposal.*

State Filing:

##### Structure Details

Latitude: 37° 20' 55.74" N  
Longitude: 83° 7' 31.98" W  
Horizontal Datum: NAD83  
Site Elevation (SE): 956 (nearest foot)  
Structure Height (AGL): 248 (nearest foot)  
Current Height (AGL): (nearest foot)  
*\* For notice of alteration or existing provide the current AGL height of the existing structure. Include details in the Description of Proposal*

##### Common Frequency Bands

Low Freq High Freq Freq Unit ERP ERP Unit

##### Specific Frequencies

Nacelle Height (AGL): (nearest foot)  
*\* For Wind Turbines 500ft AGL or greater*

Requested Marking/Lighting: Spherical Markers

**Other :**

Recommended Marking/Lighting: Dual medium catenary

Current Marking/Lighting: N/A New Structure

**Other :**

Nearest City: Hazard

Nearest State: Kentucky

Description of Location: Mountainous terrain in eastern Kentucky

Description of Proposal: This filing is not for a structure, but is a point on a static wire where it is the highest AGL. (See attached exhibit) Bonnyman to Soft Shell 138kV K408.

Note: Point 'A' = The Highest Elevation Point  
On The Top Most Wire of The  
Section of Sag Over 200' AGL.

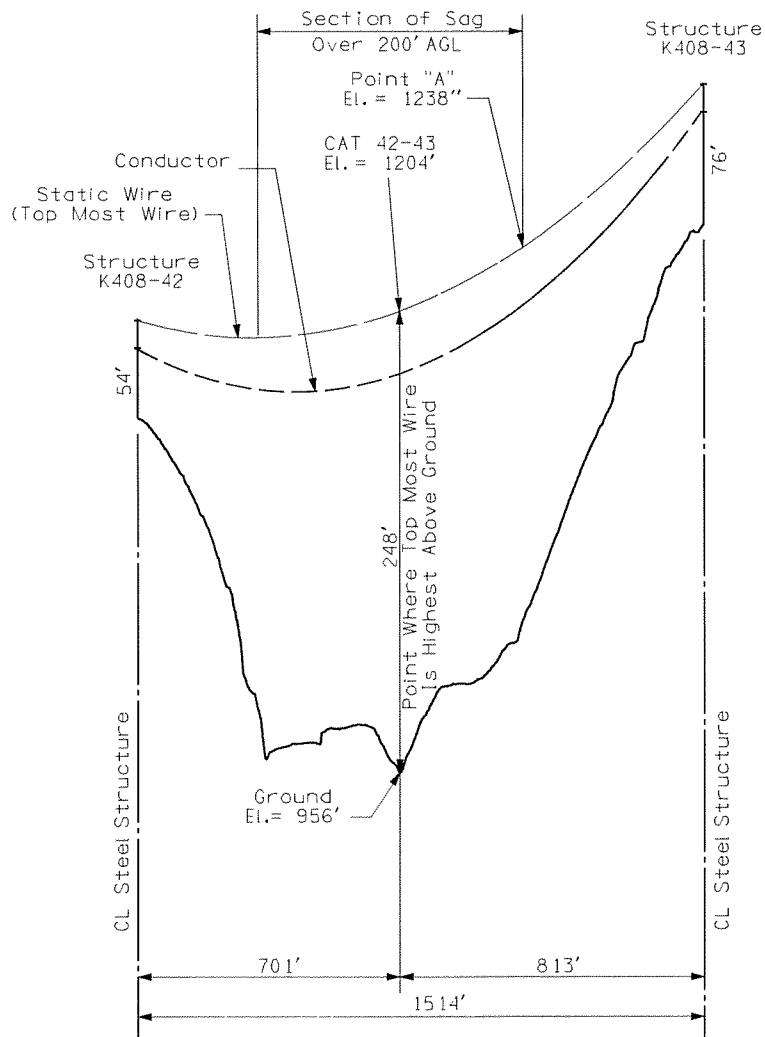


Exhibit 19

Scale:  
Horiz: 1" = 400'  
Vert: 1" = 80'



Mail Processing Center  
 Federal Aviation Administration  
 Southwest Regional Office  
 Obstruction Evaluation Group  
 2601 Meacham Boulevard  
 Fort Worth, TX 76137

Aeronautical Study No.  
 2012-ASO-10505-OE

Issued Date: 01/22/2013

Erica Cutler  
 Power Engineers for AEP  
 1041 521 Corporate Center Drive, Suite 105  
 Fort Mill, SC 29707

**\*\* DETERMINATION OF NO HAZARD TO AIR NAVIGATION \*\***

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure: Transmission Line Cat 42-43 (Point on Static Wire)  
 Location: Hazard, KY  
 Latitude: 37-20-55.74N NAD 83  
 Longitude: 83-07-31.98W  
 Heights: 956 feet site elevation (SE)  
 248 feet above ground level (AGL)  
 1204 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

As a condition to this Determination, the structure is marked/lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, dual medium catenary - Chapters 4,10(Catenary),&12.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

**See attachment for additional condition(s) or information.**

Any height exceeding 248 feet above ground level (1204 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 07/22/2014 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.



- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

If we can be of further assistance, please contact our office at (847) 294-7458. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2012-ASO-10505-OE.

**Signature Control No: 176290014-181532379**

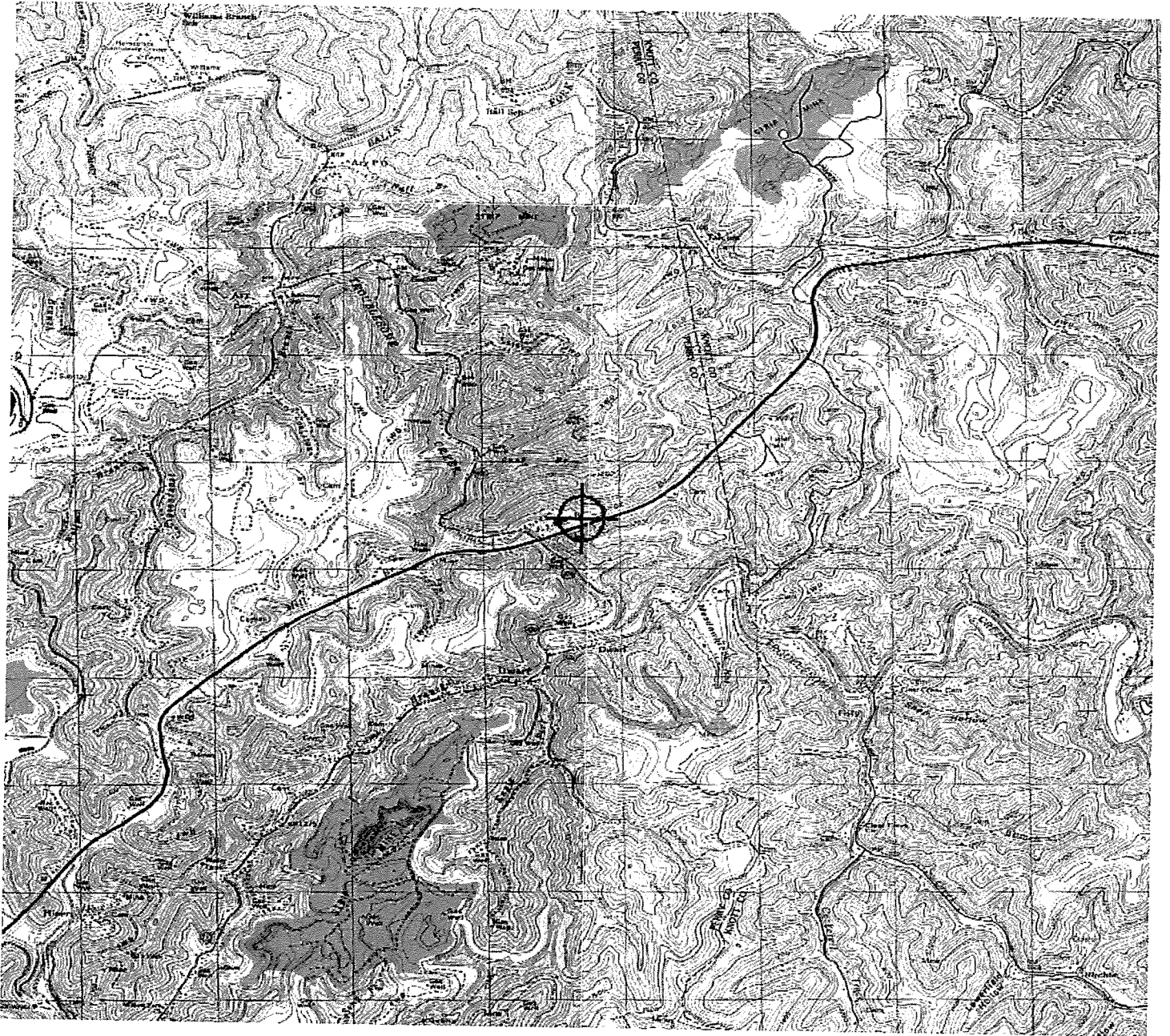
( DNE )

Fred Souchet  
Specialist

Attachment(s)  
Additional Information  
Map(s)

**Additional information for ASN 2012-ASO-10505-OE**

Based on this evaluation the request for Spherical Markers cannot be granted . Spherical Markers are required if the wire voltage is less than 69 KV. The wire voltage for the above transmission lines is 138kV. Therefore, IAW AC 70/7460-1 K Change 2 this structure is to be marked/lighted with dual medium catenary lighting - Chapters 4, 10 (Centenary) & 12.





### Notice of Proposed Construction or Alteration - Off Airport

Project Name: POWER-000221073-12

Sponsor: Power Engineers for AEP

#### Details for Case : Cat 52-53 (Point on Static Wire)

Show Project Summary

#### Case Status

ASN: 2012-ASO-10506-OE

Date Accepted: 11/02/2012

Status: Determined

Date Determined: 01/22/2013

7460-2 (PART II) required within 5 days after the construction reaches its greatest height.

Letters: 01/22/2013 DNE

Add Supplemental Notice (7460-2)

Documents: 11/01/2012 FAA\_52 to 53\_Exb ...

Public Comments: None

Project Documents: None

#### Construction / Alteration Information

Notice Of: Construction

#### Structure Summary

Duration: Permanent

Structure Type: Transmission Line

*if Temporary :* Months: Days:

Structure Name: Cat 52-53 (Point on Static Wire)

Work Schedule - Start: 04/15/2013

NOTAM Number:

Work Schedule - End: 10/16/2014

FCC Number:

Prior ASN:

*\*For temporary cranes-Does the permanent structure require separate notice to the FAA? To find out, use the Notice Criteria Tool. If separate notice is required, please ensure it is filed. If it is not filed, please state the reason in the Description of Proposal.*

State Filing:

#### Structure Details

#### Common Frequency Bands

Latitude: 37° 21' 57.92" N

Low Freq High Freq Freq Unit ERP ERP Unit

Longitude: 83° 6' 17.47" W

#### Specific Frequencies

Horizontal Datum: NAD83

Site Elevation (SE): 955 (nearest foot)

Structure Height (AGL): 349 (nearest foot)

Current Height (AGL): (nearest foot)

*\* For notice of alteration or existing provide the current AGL height of the existing structure. Include details in the Description of Proposal*

Nacelle Height (AGL): (nearest foot)

*\* For Wind Turbines 500ft AGL or greater*

Requested Marking/Lighting: Spherical Markers

**Other :**

Recommended Marking/Lighting: Dual medium catenary

Current Marking/Lighting: N/A New Structure

**Other :**

Nearest City: Hindman

Nearest State: Kentucky

Description of Location: Mountainous terrain in eastern Kentucky

Description of Proposal: This filing is not for a structure, but is a point on a static wire where it is the highest AGL. (See attached exhibit) Bonnyman to Soft Shell 138kV K408.

Note: Point 'A' = The Highest Elevation Point On The Top Most Wire of The Section of Sag Over 200' AGL.

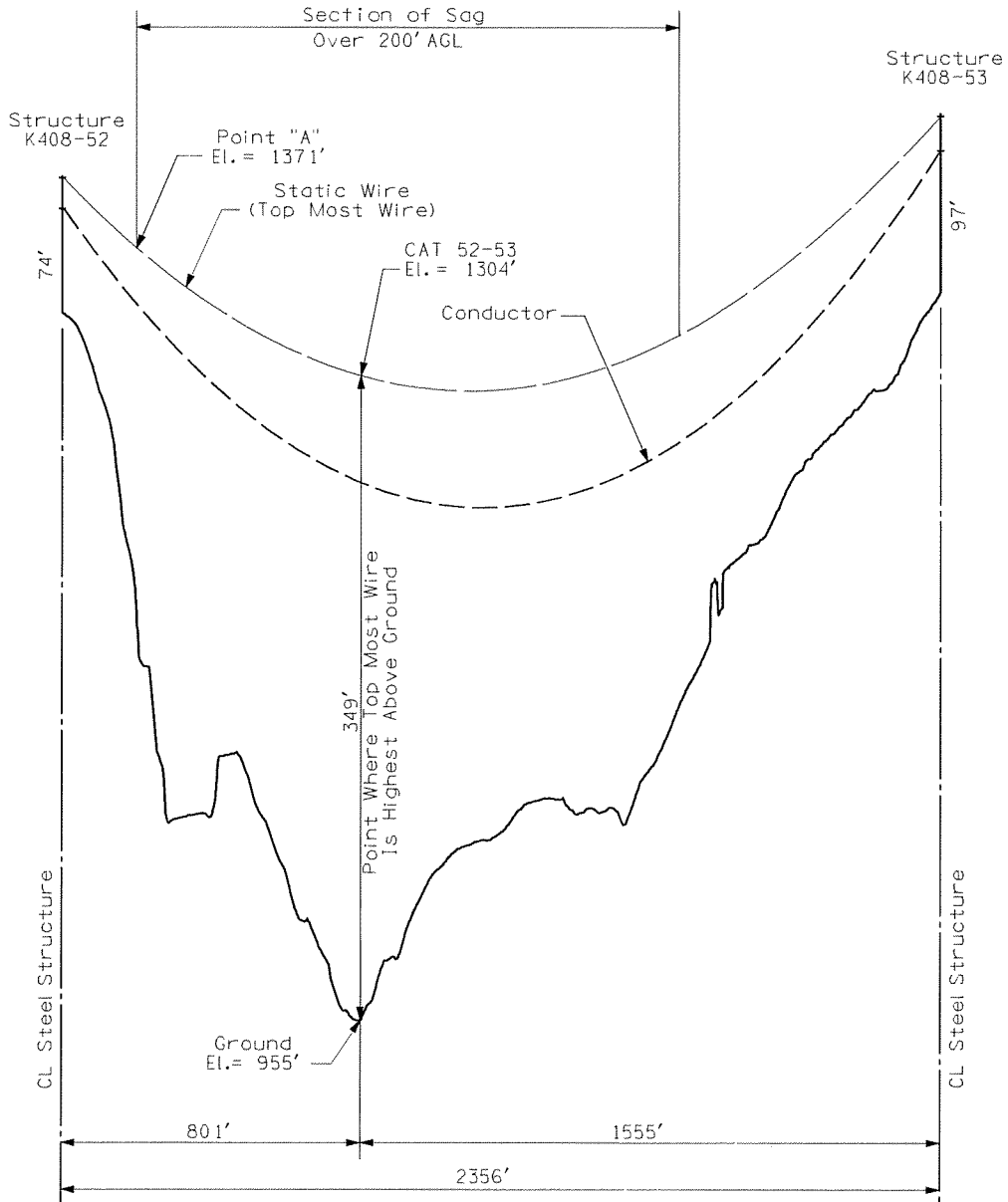


Exhibit 20

Scale:  
Horiz: 1" = 400'  
Vert: 1" = 80'



Mail Processing Center  
 Federal Aviation Administration  
 Southwest Regional Office  
 Obstruction Evaluation Group  
 2601 Meacham Boulevard  
 Fort Worth, TX 76137

Aeronautical Study No.  
 2012-ASO-10506-OE

Issued Date: 01/22/2013

Erica Cutler  
 Power Engineers for AEP  
 1041 521 Corporate Center Drive, Suite 105  
 Fort Mill, SC 29707

**\*\* DETERMINATION OF NO HAZARD TO AIR NAVIGATION \*\***

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Transmission Line Cat 52-53 (Point on Static Wire)
Location:	Hindman, KY
Latitude:	37-21-57.92N NAD 83
Longitude:	83-06-17.47W
Heights:	955 feet site elevation (SE) 349 feet above ground level (AGL) 1304 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

As a condition to this Determination, the structure is marked/lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, dual medium catenary - Chapters 4,10(Catenary),&12.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

**See attachment for additional condition(s) or information.**

While the structure does not constitute a hazard to air navigation, it would be located within or near a military training area and/or route.

Any height exceeding 349 feet above ground level (1304 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 07/22/2014 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.
- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

If we can be of further assistance, please contact our office at (847) 294-7458. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2012-ASO-10506-OE.

**Signature Control No: 176290015-181532567**

( DNE )

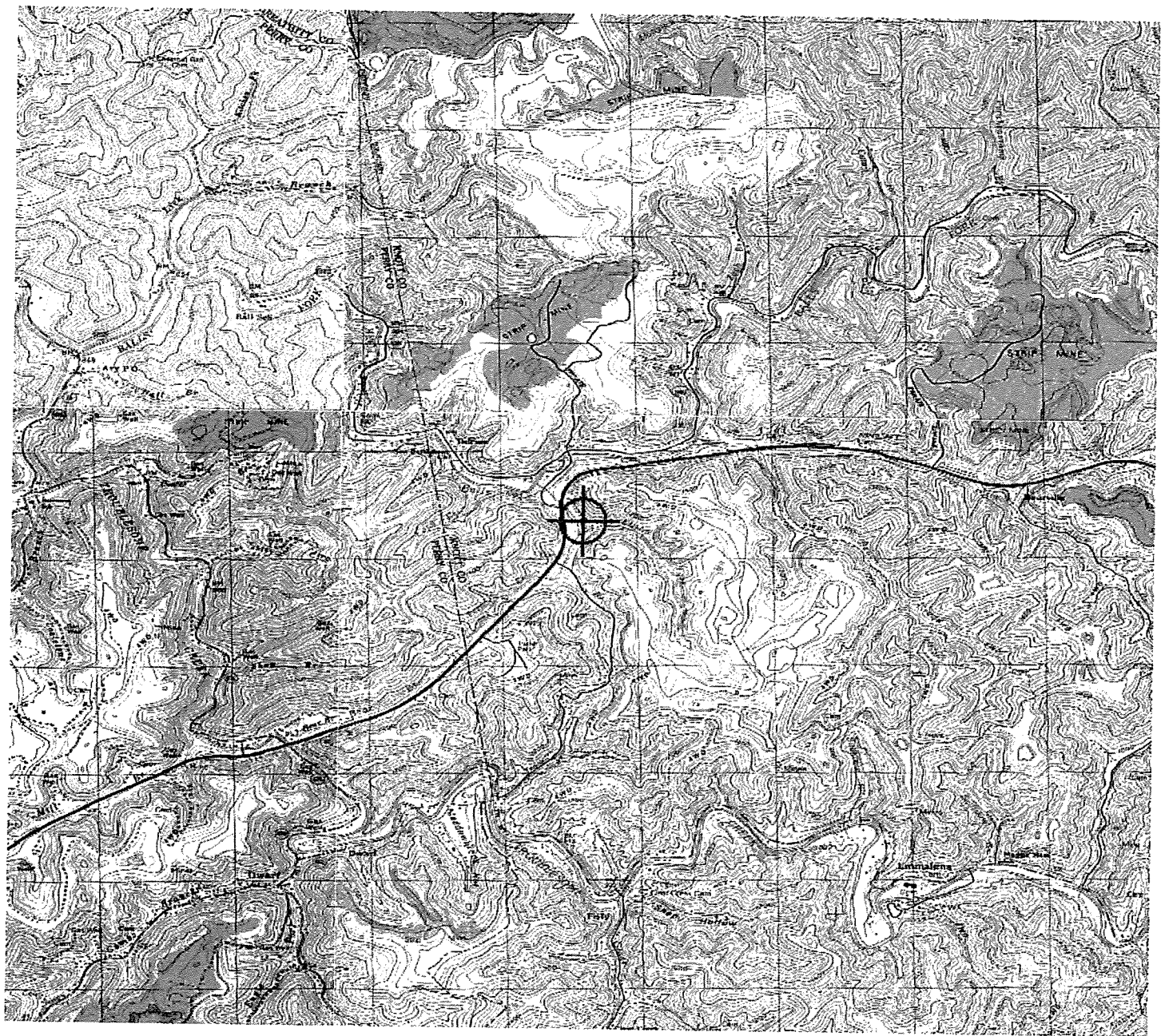
Fred Souchet  
Specialist

Attachment(s)  
Additional Information  
Map(s)

**Additional information for ASN 2012-ASO-10506-OE**

Based on this evaluation the request for Spherical Markers cannot be granted . Spherical Markers are required if the wire voltage is less than 69 KV. The wire voltage for the above transmission lines is 138kV. Therefore, IAW AC 70/7460-1 K Change 2 this structure is to be marked/lighted with dual medium catenary lighting - Chapters 4, 10 (Centenary) & 12.







Notice of Proposed Construction or Alteration - Off Airport

Project Name: POWER-000221073-12

Sponsor: Power Engineers for AEP

Details for Case : Cat 57-58 (Point on Static Wire)

Show Project Summary

Case Status

ASN: 2012-ASO-10507-OE

Status: Determined

7460-2 (PART II) required within 5 days after the construction reaches its greatest height.

Add Supplemental Notice (7460-2)

Public Comments: None

Date Accepted: 11/02/2012

Date Determined: 01/22/2013

Letters: 01/22/2013 DNE

Documents: 11/01/2012 FAA\_57to 58\_ Exb 2...

Project Documents:  
None

Construction / Alteration Information

Notice Of: Construction

Duration: Permanent

*if Temporary :* Months: Days:

Work Schedule - Start: 04/15/2013

Work Schedule - End: 10/16/2014

*\*For temporary cranes-Does the permanent structure require separate notice to the FAA? To find out, use the Notice Criteria Tool. If separate notice is required, please ensure it is filed. If it is not filed, please state the reason in the Description of Proposal.*

State Filing:

Structure Summary

Structure Type: Transmission Line

Structure Name: Cat 57-58 (Point on Static Wire)

NOTAM Number:

FCC Number:

Prior ASN:

Structure Details

Latitude: 37° 22' 4.12" N

Longitude: 83° 5' 17.66" W

Horizontal Datum: NAD83

Site Elevation (SE): 964 (nearest foot)

Structure Height (AGL): 316 (nearest foot)

Current Height (AGL): (nearest foot)

*\* For notice of alteration or existing provide the current AGL height of the existing structure. Include details in the Description of Proposal*

Nacelle Height (AGL): (nearest foot)

*\* For Wind Turbines 500ft AGL or greater*

Requested Marking/Lighting: Spherical Markers

**Other :**

Recommended Marking/Lighting: Dual medium catenary

Current Marking/Lighting: N/A New Structure

**Other :**

Nearest City: Hindman

Nearest State: Kentucky

Description of Location: Mountainous terrain in eastern Kentucky

Description of Proposal: This filing is not for a structure, but is a point on a static wire where it is the highest AGL. (See attached exhibit) Bonnyman to Soft Shell 138kV K408.

Common Frequency Bands

Low Freq	High Freq	Freq Unit	ERP	ERP Unit
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Specific Frequencies

Note: Point 'A' = The Highest Elevation Point  
On The Top Most Wire of The  
Section of Sag Over 200' AGL.

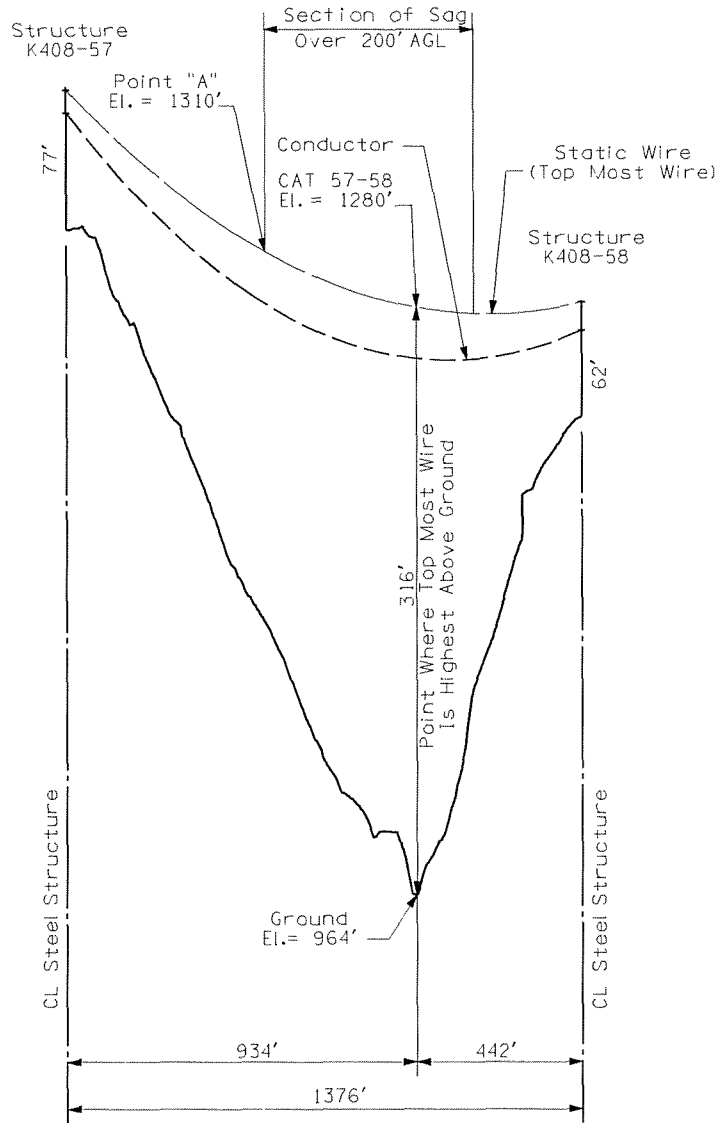


Exhibit 21

Scale:  
Horiz: 1" = 400'  
Vert: 1" = 80'



Mail Processing Center  
 Federal Aviation Administration  
 Southwest Regional Office  
 Obstruction Evaluation Group  
 2601 Meacham Boulevard  
 Fort Worth, TX 76137

Aeronautical Study No.  
 2012-ASO-10507-OE

Issued Date: 01/22/2013

Erica Cutler  
 Power Engineers for AEP  
 1041 521 Corporate Center Drive, Suite 105  
 Fort Mill, SC 29707

**\*\* DETERMINATION OF NO HAZARD TO AIR NAVIGATION \*\***

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Transmission Line Cat 57-58 (Point on Static Wire)
Location:	Hindman, KY
Latitude:	37-22-04.12N NAD 83
Longitude:	83-05-17.66W
Heights:	964 feet site elevation (SE)
	316 feet above ground level (AGL)
	1280 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

As a condition to this Determination, the structure is marked/lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, dual medium catenary - Chapters 4,10(Catenary),&12.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

**See attachment for additional condition(s) or information.**

While the structure does not constitute a hazard to air navigation, it would be located within or near a military training area and/or route.

Any height exceeding 316 feet above ground level (1280 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 07/22/2014 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.
- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

If we can be of further assistance, please contact our office at (847) 294-7458. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2012-ASO-10507-OE.

**Signature Control No: 176290017-181532581**

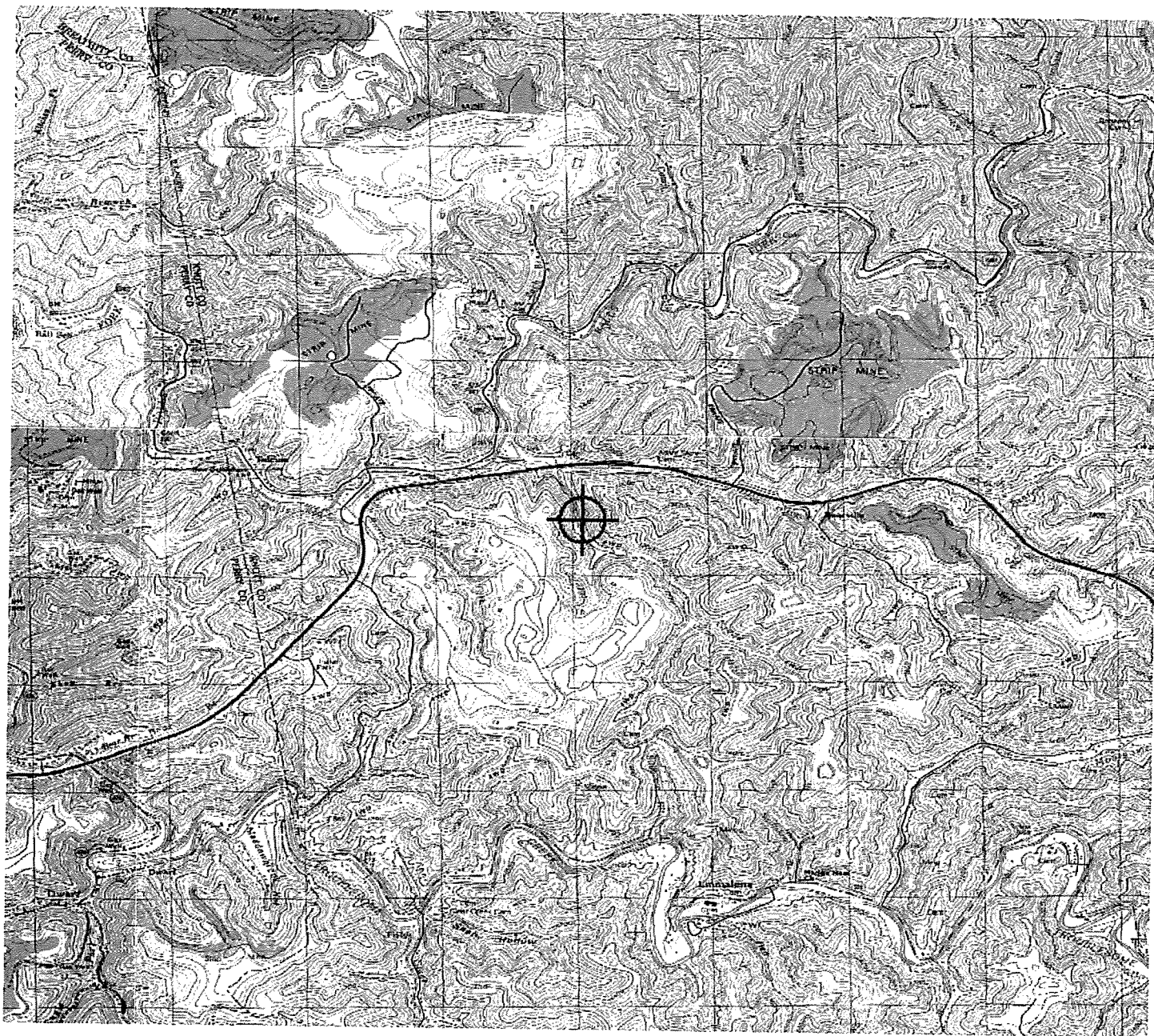
( DNE )

Fred Souchet  
Specialist

Attachment(s)  
Additional Information  
Map(s)

**Additional information for ASN 2012-ASO-10507-OE**

Based on this evaluation the request for Spherical Markers cannot be granted . Spherical Markers are required if the wire voltage is less than 69 KV. The wire voltage for the above transmission lines is 138kV. Therefore, IAW AC 70/7460-1 K Change 2 this structure is to be marked/lighted with dual medium catenary lighting - Chapters 4, 10 (Centenary) & 12.







### Notice of Proposed Construction or Alteration - Off Airport

**Project Name:** POWER-000221073-12

**Sponsor:** Power Engineers for AEP

#### Details for Case : Cat 61-62 (Point on Static Wire)

Show Project Summary

#### Case Status

**ASN:** 2012-ASO-10508-OE

**Date Accepted:** 11/02/2012

**Status:** Determined

**Date Determined:** 01/22/2013

7460-2 (PART II) required within 5 days after the construction reaches its greatest height.

**Letters:** 01/22/2013 DNE

Add Supplemental Notice (7460-2)

**Documents:** 11/01/2012 FAA\_61 to 62\_Exp ...

**Public Comments:** None

Project Documents:  
None

#### Construction / Alteration Information

**Notice Of:** Construction

#### Structure Summary

**Duration:** Permanent

**Structure Type:** Transmission Line

**if Temporary :** Months: Days:

**Structure Name:** Cat 61-62 (Point on Static Wire)

**Work Schedule - Start:** 04/15/2013

**NOTAM Number:**

**Work Schedule - End:** 10/16/2014

**FCC Number:**

**Prior ASN:**

*\*For temporary cranes-Does the permanent structure require separate notice to the FAA? To find out, use the Notice Criteria Tool. If separate notice is required, please ensure it is filed. If it is not filed, please state the reason in the Description of Proposal.*

State Filing:

#### Structure Details

#### Common Frequency Bands

**Latitude:** 37° 22' 6.40" N

Low Freq High Freq Freq Unit ERP ERP Unit

**Longitude:** 83° 4' 31.60" W

**Horizontal Datum:** NAD83

#### Specific Frequencies

**Site Elevation (SE):** 1209 (nearest foot)

**Structure Height (AGL):** 212 (nearest foot)

**Current Height (AGL):** (nearest foot)

*\* For notice of alteration or existing provide the current AGL height of the existing structure. Include details in the Description of Proposal*

**Nacelle Height (AGL):** (nearest foot)

*\* For Wind Turbines 500ft AGL or greater*

**Requested Marking/Lighting:** Spherical Markers

**Other :**

**Recommended Marking/Lighting:** Dual medium catenary

**Current Marking/Lighting:** N/A New Structure

**Other :**

**Nearest City:** Hindman

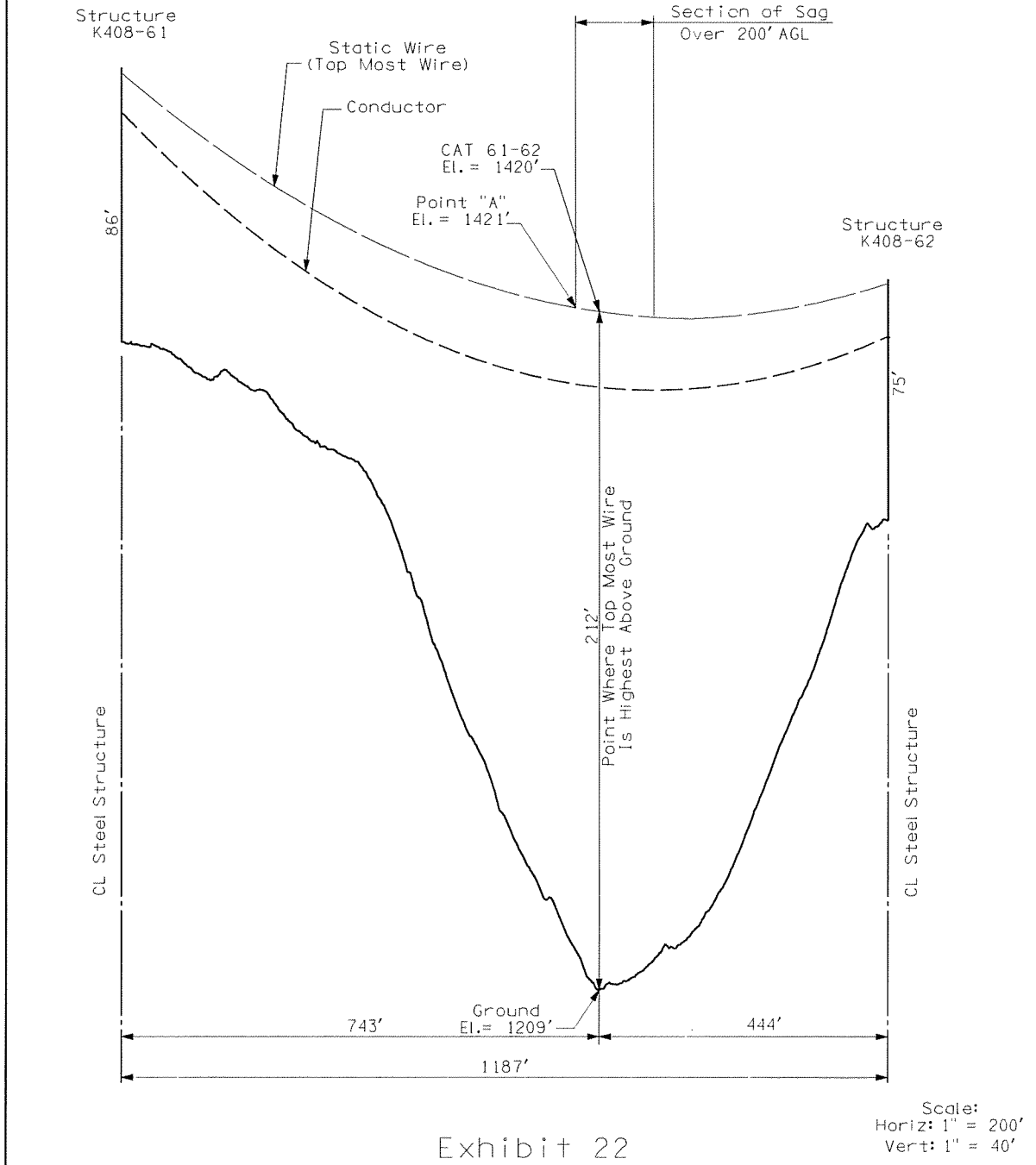
**Nearest State:** Kentucky

**Description of Location:** Mountainous terrain in eastern Kentucky

**Description of Proposal:** This filing is not for a structure, but is a point on a static wire where it is the highest AGL. (See attached exhibit) Bonnyman to Soft Shell 138kV K408.



Note: Point 'A' = The Highest Elevation Point  
On The Top Most Wire of The  
Section of Sag Over 200' AGL.





Mail Processing Center  
 Federal Aviation Administration  
 Southwest Regional Office  
 Obstruction Evaluation Group  
 2601 Meacham Boulevard  
 Fort Worth, TX 76137

Aeronautical Study No.  
 2012-ASO-10508-OE

Issued Date: 01/22/2013

Erica Cutler  
 Power Engineers for AEP  
 1041 521 Corporate Center Drive, Suite 105  
 Fort Mill, SC 29707

**\*\* DETERMINATION OF NO HAZARD TO AIR NAVIGATION \*\***

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Transmission Line Cat 61-62 (Point on Static Wire)
Location:	Hindman, KY
Latitude:	37-22-06.40N NAD 83
Longitude:	83-04-31.60W
Heights:	1209 feet site elevation (SE) 212 feet above ground level (AGL) 1421 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

As a condition to this Determination, the structure is marked/lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, dual medium catenary - Chapters 4,10(Catenary),&12.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

**See attachment for additional condition(s) or information.**

While the structure does not constitute a hazard to air navigation, it would be located within or near a military training area and/or route.

Any height exceeding 212 feet above ground level (1421 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 07/22/2014 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.
- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

If we can be of further assistance, please contact our office at (847) 294-7458. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2012-ASO-10508-OE.

**Signature Control No: 176290018-181532568**

( DNE )

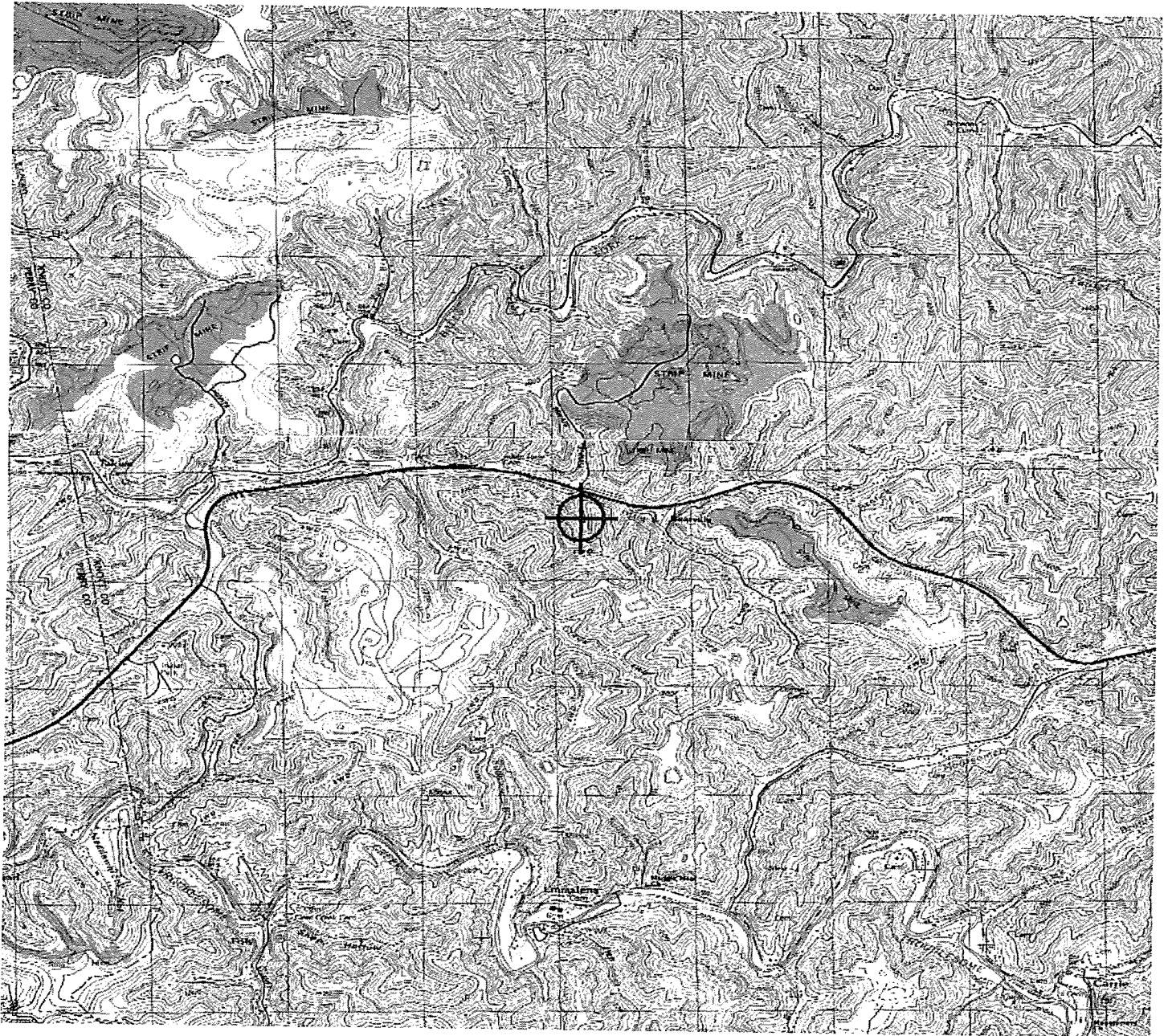
Fred Souchet  
Specialist

Attachment(s)  
Additional Information  
Map(s)

## **Additional information for ASN 2012-ASO-10508-OE**

Based on this evaluation the request for Spherical Markers cannot be granted . Spherical Markers are required if the wire voltage is less than 69 KV. The wire voltage for the above transmission lines is 138kV. Therefore, IAW AC 70/7460-1 K Change 2 this structure is to be marked/lighted with dual medium catenary lighting - Chapters 4, 10 (Centenary) & 12.

TOPO Map for ASN 2012-ASO-10508-OE





### Notice of Proposed Construction or Alteration - Off Airport

Project Name: POWER-000221073-12

Sponsor: Power Engineers for AEP

#### Details for Case : Cat 62-63 (Point on Static Wire)

Show Project Summary

##### Case Status

ASN: 2012-ASO-10509-OE

Date Accepted: 11/02/2012

Status: Determined

Date Determined: 01/22/2013

7460-2 (PART II) required within 5 days after the construction reaches its greatest height.

Letters: 01/22/2013 DNE

Add Supplemental Notice (7460-2)

Documents: 11/01/2012 FAA\_62 to 63\_Exp ...

Public Comments: None

Project Documents: None

##### Construction / Alteration Information

Notice Of: Construction

##### Structure Summary

Structure Type: Transmission Line

Duration: Permanent

Structure Name: Cat 62-63 (Point on Static Wire)

*if Temporary :* Months: Days:

NOTAM Number:

Work Schedule - Start: 04/15/2013

FCC Number:

Work Schedule - End: 10/16/2014

Prior ASN:

*\*For temporary cranes-Does the permanent structure require separate notice to the FAA? To find out, use the Notice Criteria Tool. If separate notice is required, please ensure it is filed. If it is not filed, please state the reason in the Description of Proposal.*

State Filing:

##### Structure Details

##### Common Frequency Bands

Latitude: 37° 22' 11.46" N

Low Freq High Freq Freq Unit ERP ERP Unit

Longitude: 83° 4' 16.19" W

##### Specific Frequencies

Horizontal Datum: NAD83

Site Elevation (SE): 1052 (nearest foot)

Structure Height (AGL): 303 (nearest foot)

Current Height (AGL): (nearest foot)

*\* For notice of alteration or existing provide the current AGL height of the existing structure. Include details in the Description of Proposal*

Nacelle Height (AGL): (nearest foot)

*\* For Wind Turbines 500ft AGL or greater*

Requested Marking/Lighting: Spherical Markers

**Other :**

Recommended Marking/Lighting: Dual medium catenary

Current Marking/Lighting: N/A New Structure

**Other :**

Nearest City: Hindman

Nearest State: Kentucky

Description of Location: Mountainous terrain in eastern Kentucky

Description of Proposal: This filing is not for a structure, but is a point on a static wire where it is the highest AGL. (See attached exhibit) Bonnyman to Soft Shell 138kV K408.

Note: Point 'A' = The Highest Elevation Point  
On The Top Most Wire of The  
Section of Sag Over 200' AGL.

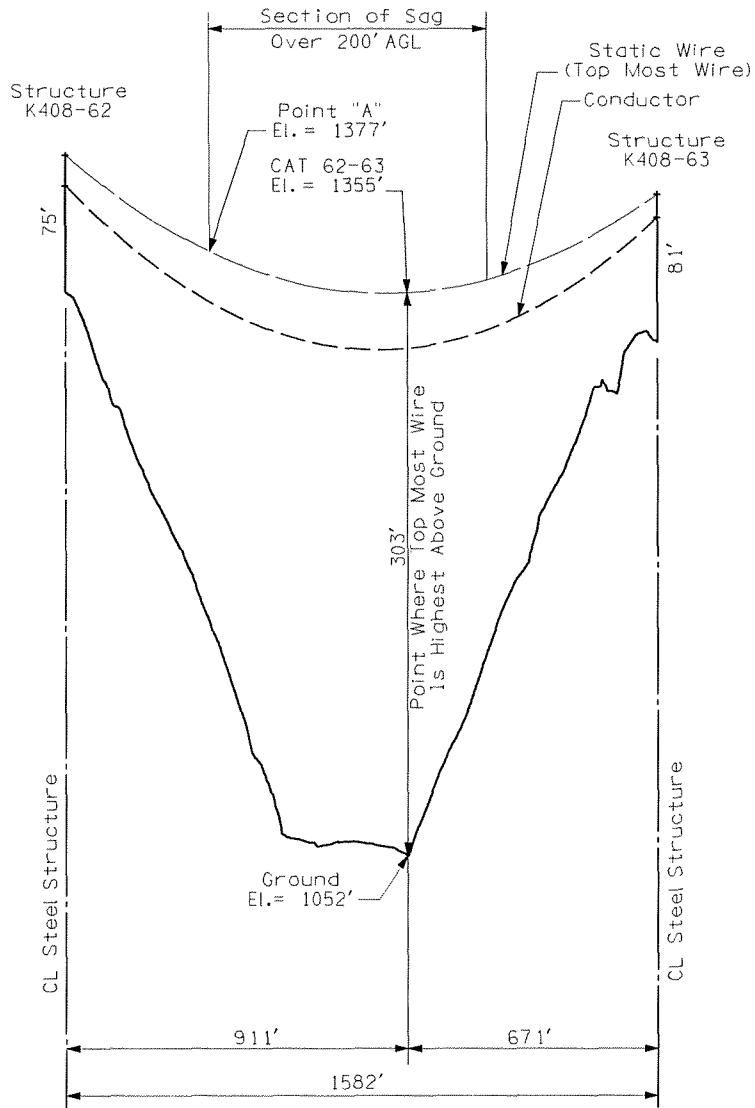


Exhibit 23

Scale:  
Horiz: 1' = 400'  
Vert: 1' = 80'



Mail Processing Center  
Federal Aviation Administration  
Southwest Regional Office  
Obstruction Evaluation Group  
2601 Meacham Boulevard  
Fort Worth, TX 76137

Aeronautical Study No.  
2012-ASO-10509-OE

Issued Date: 01/22/2013

Erica Cutler  
Power Engineers for AEP  
1041 521 Corporate Center Drive, Suite 105  
Fort Mill, SC 29707

**\*\* DETERMINATION OF NO HAZARD TO AIR NAVIGATION \*\***

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Transmission Line Cat 62-63 (Point on Static Wire)
Location:	Hindman, KY
Latitude:	37-22-11.46N NAD 83
Longitude:	83-04-16.19W
Heights:	1052 feet site elevation (SE) 303 feet above ground level (AGL) 1355 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

As a condition to this Determination, the structure is marked/lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, dual medium catenary - Chapters 4,10(Catenary),&12.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

At least 10 days prior to start of construction (7460-2, Part I)  
 Within 5 days after the construction reaches its greatest height (7460-2, Part II)

**See attachment for additional condition(s) or information.**

While the structure does not constitute a hazard to air navigation, it would be located within or near a military training area and/or route.

Any height exceeding 303 feet above ground level (1355 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 07/22/2014 unless:



- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.
- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

If we can be of further assistance, please contact our office at (847) 294-7458. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2012-ASO-10509-OE.

**Signature Control No: 176290019-181532578**

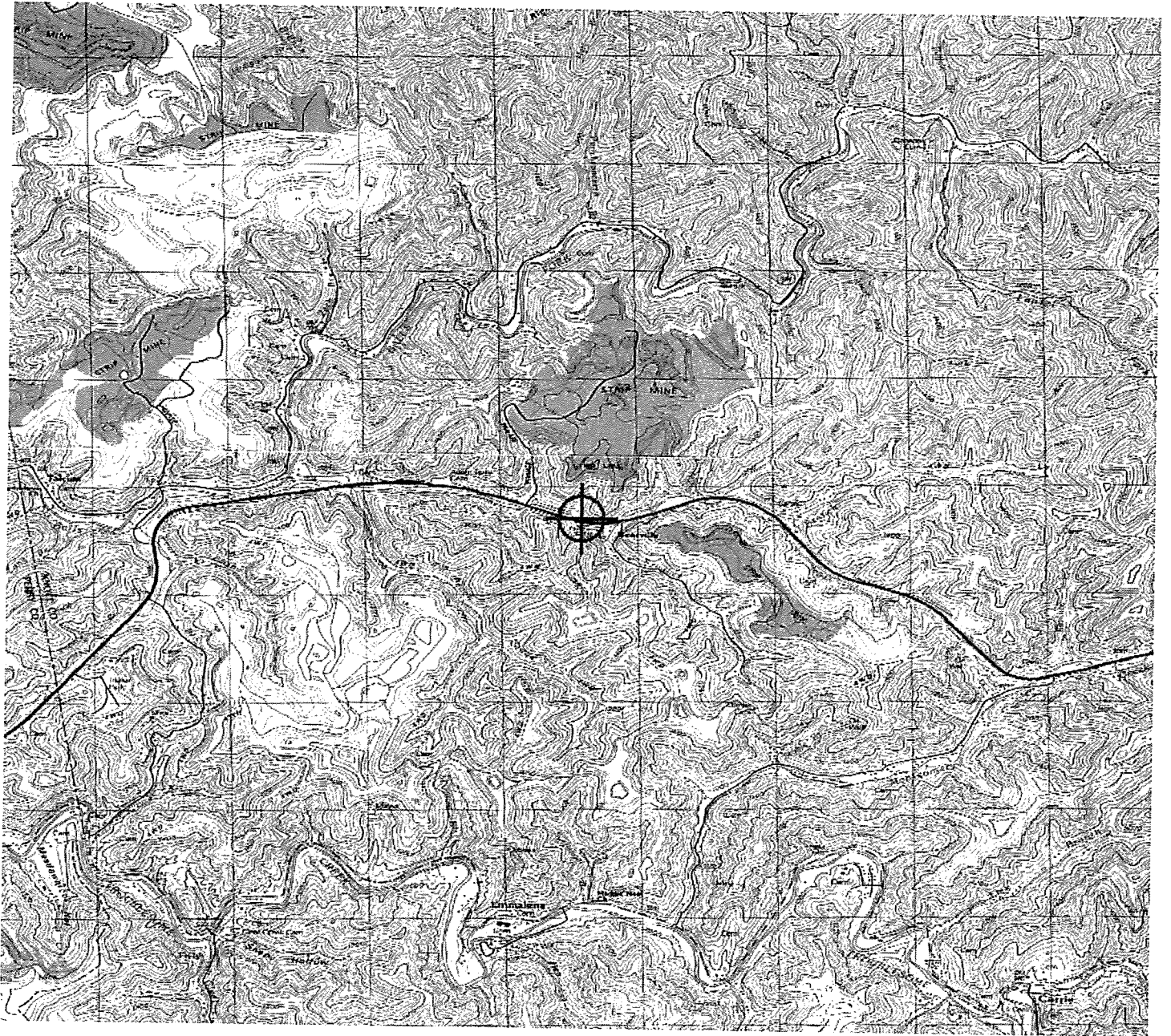
( DNE )

Fred Souchet  
Specialist

Attachment(s)  
Additional Information  
Map(s)

## **Additional information for ASN 2012-ASO-10509-OE**

Based on this evaluation the request for Spherical Markers cannot be granted . Spherical Markers are required if the wire voltage is less than 69 KV. The wire voltage for the above transmission lines is 138kV. Therefore, IAW AC 70/7460-1 K Change 2 this structure is to be marked/lighted with dual medium catenary lighting - Chapters 4, 10 (Centenary) & 12.





## Notice of Proposed Construction or Alteration - Off Airport

Project Name: POWER-000221073-12

Sponsor: Power Engineers for AEP

### Details for Case : Cat 64-65 (Point on Static Wire)

Show Project Summary

#### Case Status

ASN: 2012-ASO-10510-OE

Status: Determined

7460-2 (PART II) required within 5 days after the construction reaches its greatest height.

Add Supplemental Notice (7460-2)

Public Comments: None

Date Accepted: 11/02/2012

Date Determined: 01/22/2013

Letters: 01/22/2013 DNE

Documents: 11/01/2012 FAA\_64 to 65\_Exb ...

Project Documents:  
None

#### Construction / Alteration Information

Notice Of: Construction

Duration: Permanent

*if Temporary :* Months: Days:

Work Schedule - Start: 04/15/2013

Work Schedule - End: 10/16/2014

*\*For temporary cranes-Does the permanent structure require separate notice to the FAA? To find out, use the Notice Criteria Tool. If separate notice is required, please ensure it is filed. If it is not filed, please state the reason in the Description of Proposal.*

State Filing:

#### Structure Summary

Structure Type: Transmission Line

Structure Name: Cat 64-65 (Point on Static Wire)

NOTAM Number:

FCC Number:

Prior ASN:

#### Structure Details

Latitude: 37° 22' 21.72" N

Longitude: 83° 3' 52.70" W

Horizontal Datum: NAD83

Site Elevation (SE): 1091 (nearest foot)

Structure Height (AGL): 237 (nearest foot)

Current Height (AGL): (nearest foot)

*\* For notice of alteration or existing provide the current AGL height of the existing structure.*

*Include details in the Description of Proposal*

Nacelle Height (AGL): (nearest foot)

*\* For Wind Turbines 500ft AGL or greater*

Requested Marking/Lighting: Spherical Markers

**Other :**

Recommended Marking/Lighting: Dual medium catenary

Current Marking/Lighting: N/A New Structure

**Other :**

Nearest City: Hindman

Nearest State: Kentucky

Description of Location: Mountainous terrain in eastern Kentucky

Description of Proposal: This filing is not for a structure, but is a point on a static wire where it is the highest AGL. (See attached exhibit) Bonnyman to Soft Shell 138kV K408.

#### Common Frequency Bands

Low Freq	High Freq	Freq Unit	ERP	ERP Unit
----------	-----------	-----------	-----	----------

#### Specific Frequencies

Note: Point 'A' = The Highest Elevation Point  
On The Top Most Wire of The  
Section of Sag Over 200' AGL.

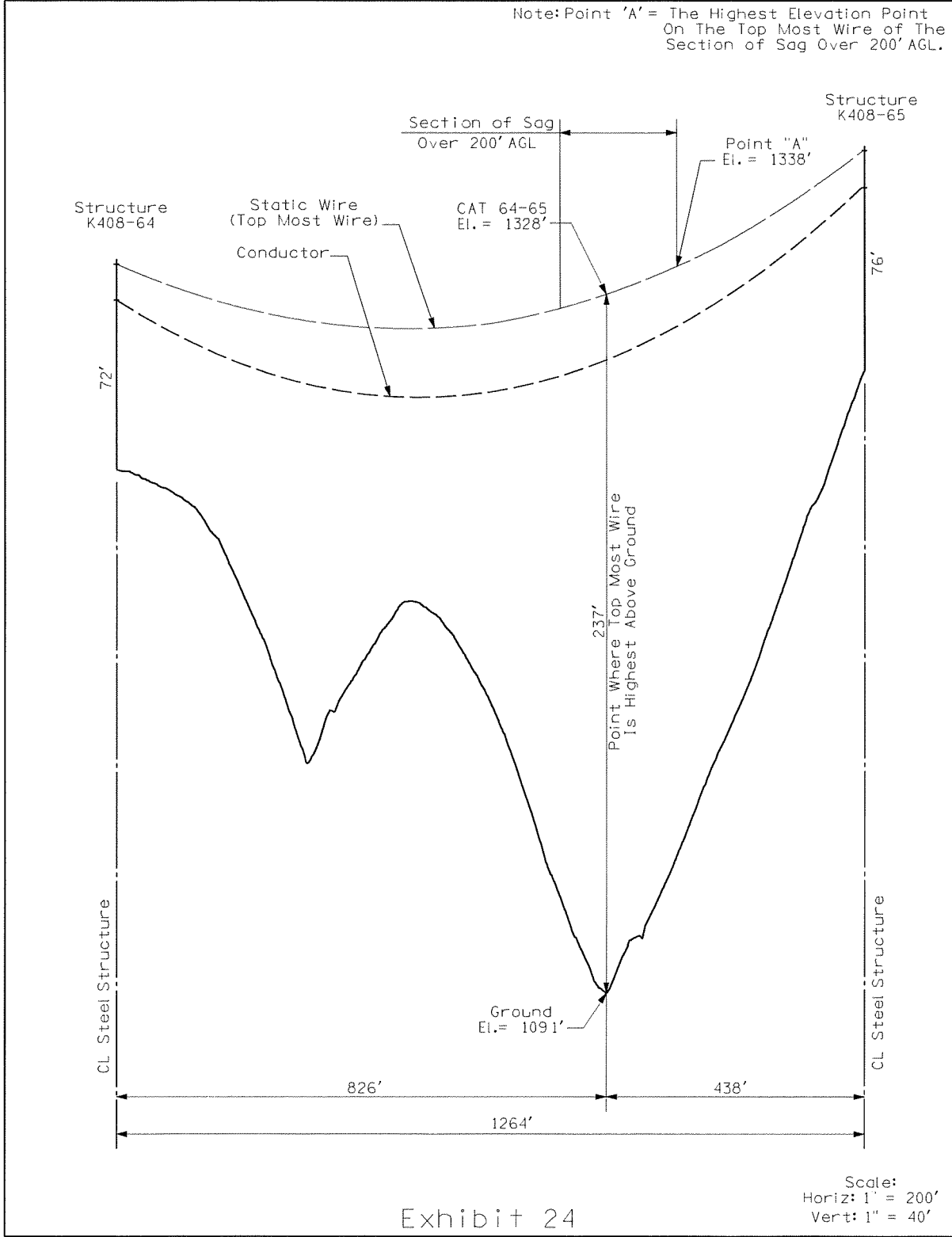


Exhibit 24



Mail Processing Center  
 Federal Aviation Administration  
 Southwest Regional Office  
 Obstruction Evaluation Group  
 2601 Meacham Boulevard  
 Fort Worth, TX 76137

Aeronautical Study No.  
 2012-ASO-10510-OE

Issued Date: 01/22/2013

Erica Cutler  
 Power Engineers for AEP  
 1041 521 Corporate Center Drive, Suite 105  
 Fort Mill, SC 29707

**\*\* DETERMINATION OF NO HAZARD TO AIR NAVIGATION \*\***

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Transmission Line Cat 64-65 (Point on Static Wire)
Location:	Hindman, KY
Latitude:	37-22-21.72N NAD 83
Longitude:	83-03-52.70W
Heights:	1091 feet site elevation (SE) 237 feet above ground level (AGL) 1328 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

As a condition to this Determination, the structure is marked/lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, dual medium catenary - Chapters 4,10(Catenary),&12.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

**See attachment for additional condition(s) or information.**

While the structure does not constitute a hazard to air navigation, it would be located within or near a military training area and/or route.

Any height exceeding 237 feet above ground level (1328 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 07/22/2014 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.
- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

If we can be of further assistance, please contact our office at (847) 294-7458. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2012-ASO-10510-OE.

**Signature Control No: 176290021-181532575**

( DNE )

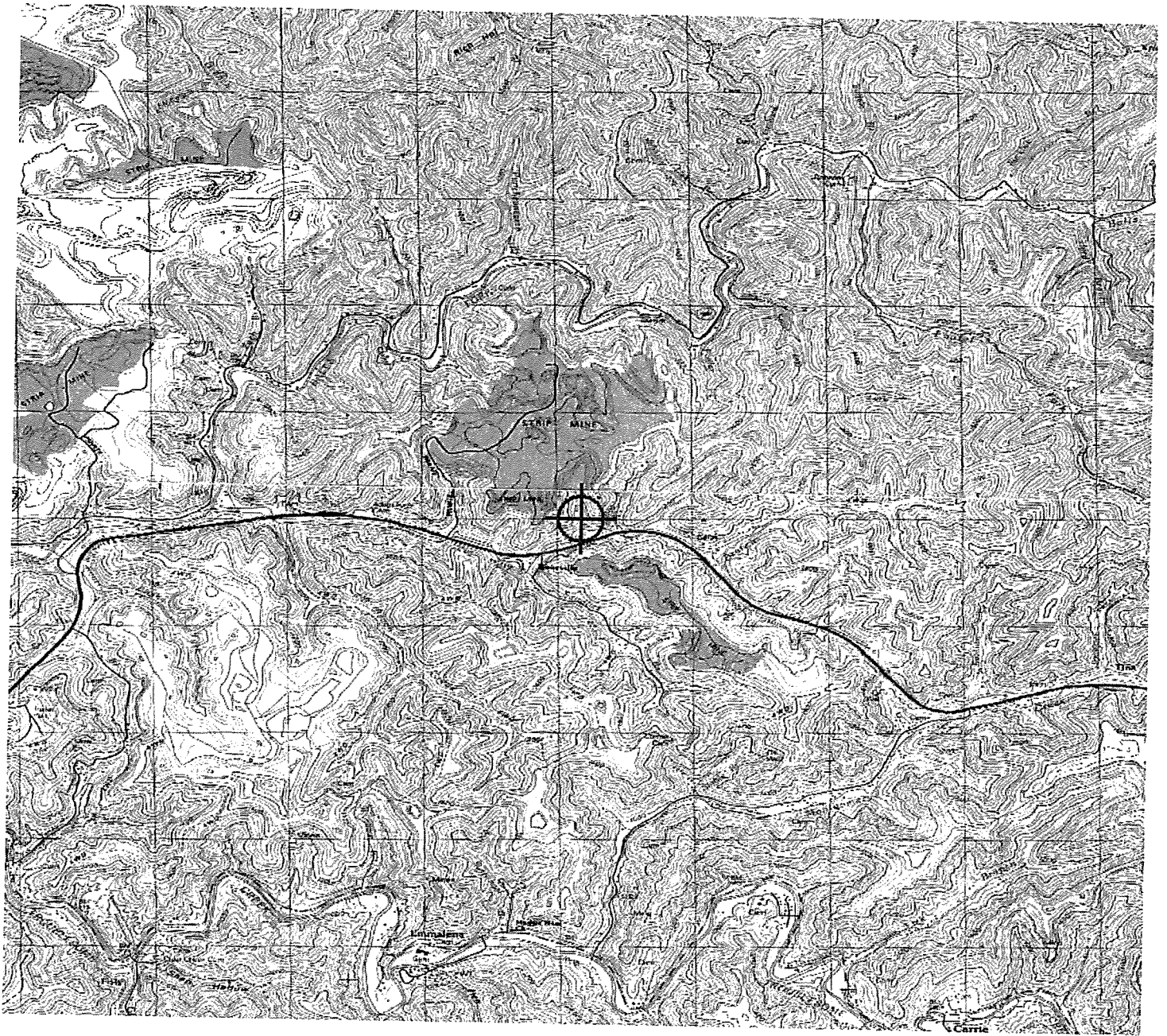
Fred Souchet  
Specialist

Attachment(s)  
Additional Information  
Map(s)

**Additional information for ASN 2012-ASO-10510-OE**

Based on this evaluation the request for Spherical Markers cannot be granted . Spherical Markers are required if the wire voltage is less than 69 KV. The wire voltage for the above transmission lines is 138kV. Therefore, IAW AC 70/7460-1 K Change 2 this structure is to be marked/lighted with dual medium catenary lighting - Chapters 4, 10 (Centenary) & 12.







## Notice of Proposed Construction or Alteration - Off Airport

Project Name: POWER-000221073-12

Sponsor: Power Engineers for AEP

### Details for Case : Cat 68-69 (Point on Static Wire)

Show Project Summary

#### Case Status

ASN: 2012-ASO-10511-OE

Status: Determined

7460-2 (PART II) required within 5 days after the construction reaches its greatest height.

Add Supplemental Notice (7460-2)

Public Comments: None

Date Accepted: 11/02/2012

Date Determined: 01/22/2013

Letters: 01/22/2013 DNE

Documents: 11/01/2012 FAA\_68 to 69\_Exb ...

Project Documents:  
None

#### Construction / Alteration Information

Notice Of: Construction

Duration: Permanent

*if Temporary :* Months: Days:

Work Schedule - Start: 04/15/2013

Work Schedule - End: 10/16/2014

*\*For temporary cranes-Does the permanent structure require separate notice to the FAA? To find out, use the Notice Criteria Tool. If separate notice is required, please ensure it is filed. If it is not filed, please state the reason in the Description of Proposal.*

State Filing:

#### Structure Details

Latitude: 37° 22' 39.15" N

Longitude: 83° 3' 38.08" W

Horizontal Datum: NAD83

Site Elevation (SE): 1228 (nearest foot)

Structure Height (AGL): 201 (nearest foot)

Current Height (AGL): (nearest foot)

*\* For notice of alteration or existing provide the current AGL height of the existing structure.*

*Include details in the Description of Proposal*

Nacelle Height (AGL): (nearest foot)

*\* For Wind Turbines 500ft AGL or greater*

Requested Marking/Lighting: Spherical Markers

**Other :**

Recommended Marking/Lighting: Dual medium catenary

Current Marking/Lighting: N/A New Structure

**Other :**

Nearest City: Hindman

Nearest State: Kentucky

Description of Location: Mountainous terrain in eastern

*On the Project Summary page upload any certified survey.* Kentucky

Description of Proposal: This filing is not for a structure, but is a point on a static wire where it is the highest AGL. (See attached exhibit) Bonnyman to Soft Shell 138kV K408.

#### Structure Summary

Structure Type: Transmission Line

Structure Name: Cat 68-69 (Point on Static Wire)

NOTAM Number:

FCC Number:

Prior ASN:

#### Common Frequency Bands

Low Freq	High Freq	Freq Unit	ERP	ERP Unit

#### Specific Frequencies

Note: Point 'A' = The Highest Elevation Point  
On The Top Most Wire of The  
Section of Sag Over 200' AGL.

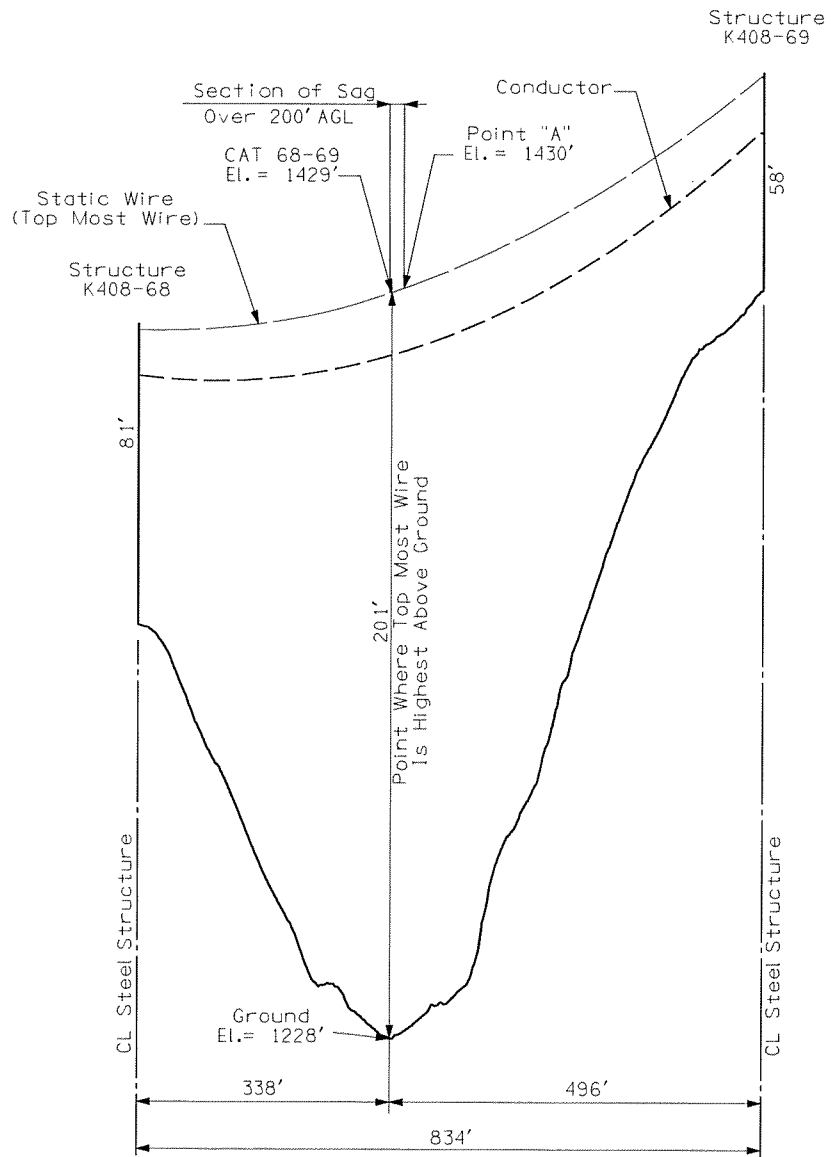


Exhibit 25

Scale:  
Horiz: 1" = 200'  
Vert: 1" = 40'



Mail Processing Center  
 Federal Aviation Administration  
 Southwest Regional Office  
 Obstruction Evaluation Group  
 2601 Meacham Boulevard  
 Fort Worth, TX 76137

Aeronautical Study No.  
 2012-ASO-10511-OE

Issued Date: 01/22/2013

Erica Cutler  
 Power Engineers for AEP  
 1041 521 Corporate Center Drive, Suite 105  
 Fort Mill, SC 29707

**\*\* DETERMINATION OF NO HAZARD TO AIR NAVIGATION \*\***

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Transmission Line Cat 68-69 (Point on Static Wire)
Location:	Hindman, KY
Latitude:	37-22-39.15N NAD 83
Longitude:	83-03-38.08W
Heights:	1228 feet site elevation (SE)
	201 feet above ground level (AGL)
	1429 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

As a condition to this Determination, the structure is marked/lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, dual medium catenary - Chapters 4,10(Catenary),&12.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

**See attachment for additional condition(s) or information.**

While the structure does not constitute a hazard to air navigation, it would be located within or near a military training area and/or route.

Any height exceeding 201 feet above ground level (1429 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 07/22/2014 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.
- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

If we can be of further assistance, please contact our office at (847) 294-7458. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2012-ASO-10511-OE.

**Signature Control No: 176290022-181532579**

( DNE )

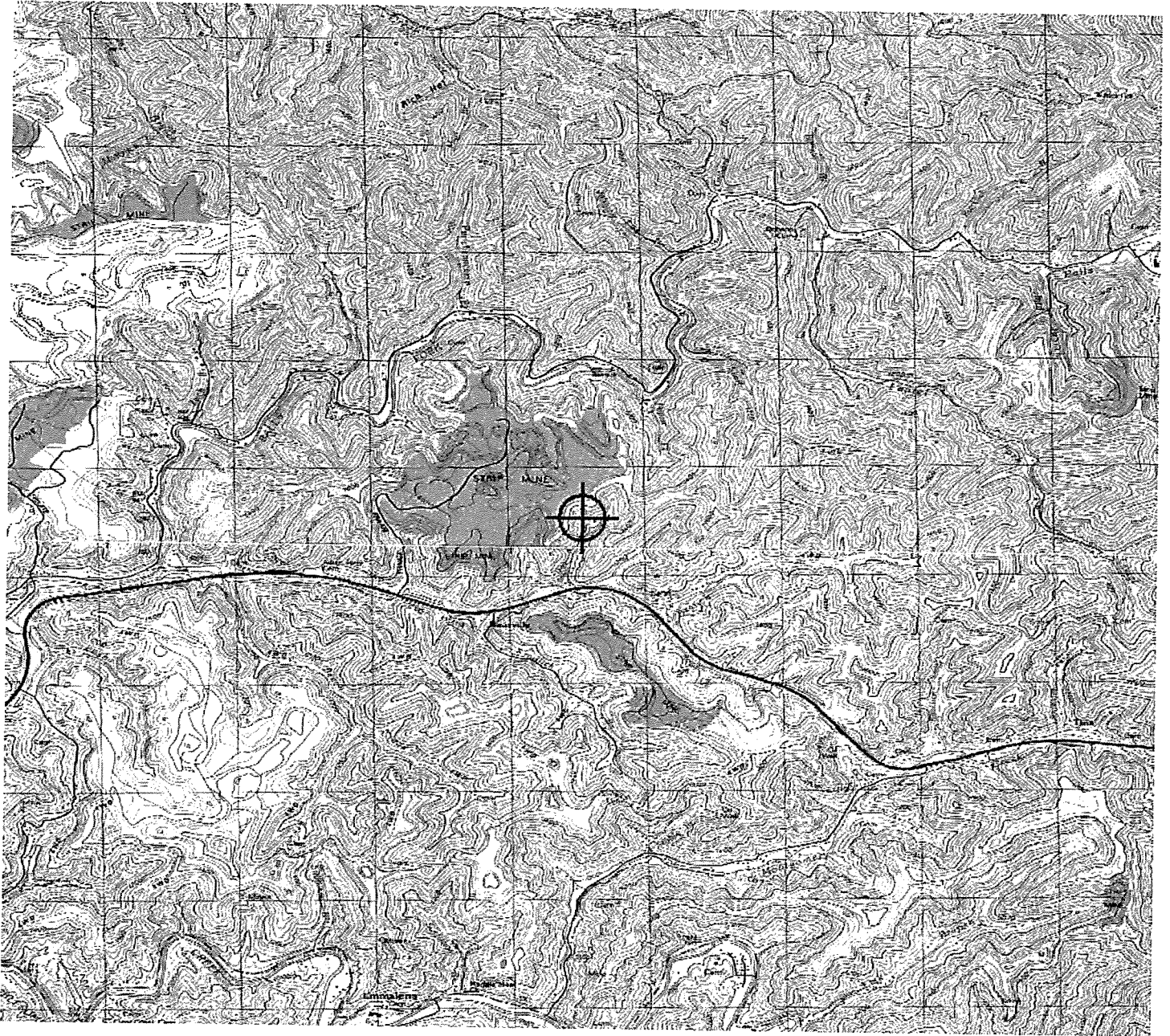
Fred Souchet  
Specialist

Attachment(s)  
Additional Information  
Map(s)

## **Additional information for ASN 2012-ASO-10511-OE**

Based on this evaluation the request for Spherical Markers cannot be granted . Spherical Markers are required if the wire voltage is less than 69 KV. The wire voltage for the above transmission lines is 138kV. Therefore, IAW AC 70/7460-1 K Change 2 this structure is to be marked/lighted with dual medium catenary lighting - Chapters 4, 10 (Centenary) & 12.







## Notice of Proposed Construction or Alteration - Off Airport

Project Name: POWER-000221073-12

Sponsor: Power Engineers for AEP

### Details for Case : Cat 69-70 (Point on Static Wire)

Show Project Summary

#### Case Status

ASN: 2012-ASO-10512-OE

Status: Determined

7460-2 (PART II) required within 5 days after the construction reaches its greatest height.

Add Supplemental Notice (7460-2)

Public Comments: None

Date Accepted: 11/02/2012

Date Determined: 01/22/2013

Letters: 01/22/2013 DNE

Documents: 11/01/2012 FAA\_69 to 70\_Exb ...

Project Documents:  
None

#### Construction / Alteration Information

Notice Of: Construction

Duration: Permanent

*if Temporary :* Months: Days:

Work Schedule - Start: 04/15/2013

Work Schedule - End: 10/16/2014

*\*For temporary cranes-Does the permanent structure require separate notice to the FAA? To find out, use the Notice Criteria Tool. If separate notice is required, please ensure it is filed. If it is not filed, please state the reason in the Description of Proposal.*

State Filing:

#### Structure Details

Latitude: 37° 22' 45.82" N

Longitude: 83° 3' 29.16" W

Horizontal Datum: NAD83

Site Elevation (SE): 1226 (nearest foot)

Structure Height (AGL): 255 (nearest foot)

Current Height (AGL): (nearest foot)

*\* For notice of alteration or existing provide the current AGL height of the existing structure.*

*Include details in the Description of Proposal*

Nacelle Height (AGL): (nearest foot)

*\* For Wind Turbines 500ft AGL or greater*

Requested Marking/Lighting: Spherical Markers

**Other :**

Recommended Marking/Lighting: Dual medium catenary

Current Marking/Lighting: N/A New Structure

**Other :**

Nearest City: Hindman

Nearest State: Kentucky

Description of Location: Mountainous terrain in eastern Kentucky

Description of Proposal: This filing is not for a structure, but is a point on a static wire where it is the highest AGL. (See attached exhibit) Bonnyman to Soft Shell 138kV K408.

#### Structure Summary

Structure Type: Transmission Line

Structure Name: Cat 69-70 (Point on Static Wire)

NOTAM Number:

FCC Number:

Prior ASN:

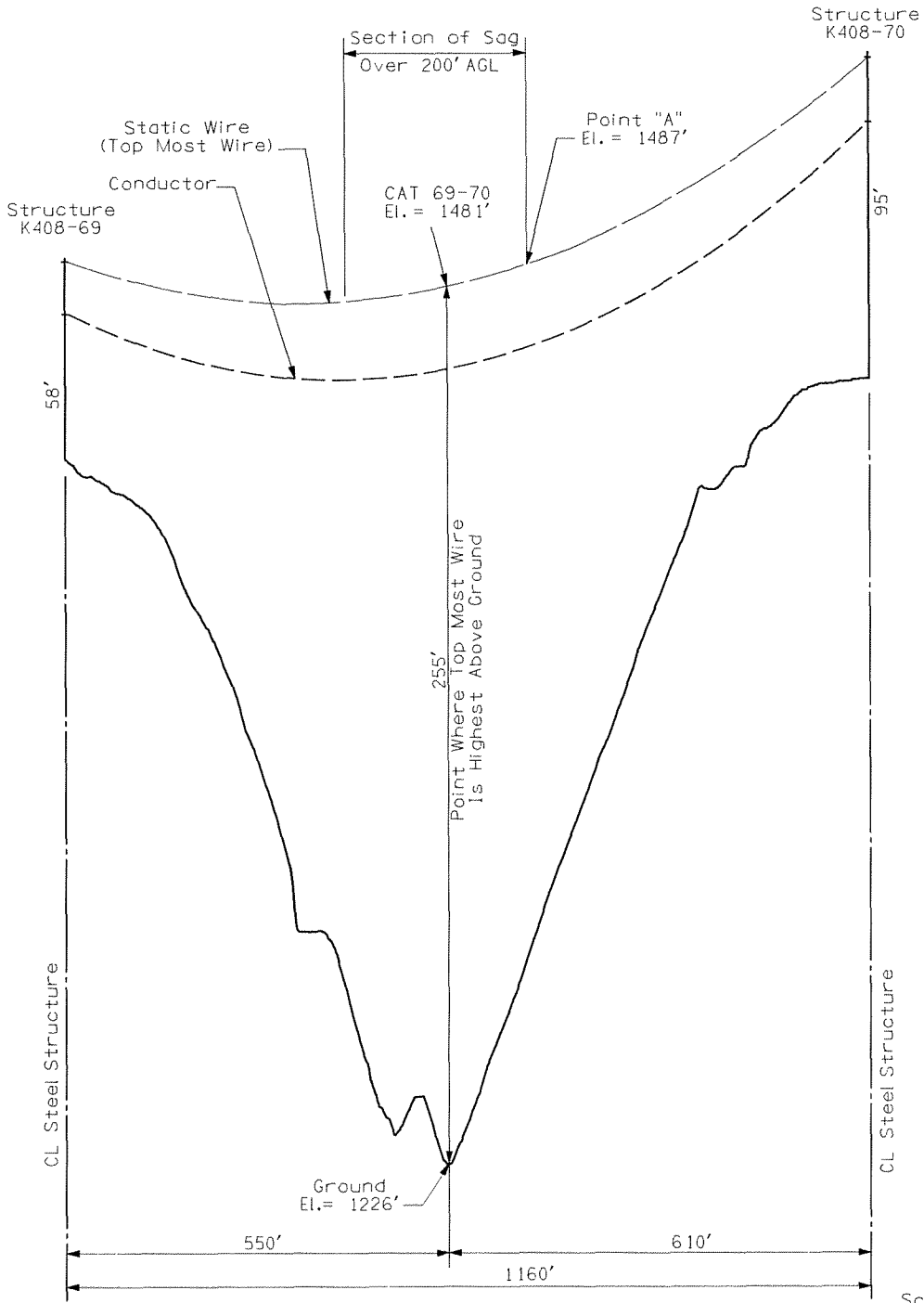
#### Common Frequency Bands

Low Freq	High Freq	Freq Unit	ERP	ERP Unit
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#### Specific Frequencies



Note: Point 'A' = The Highest Elevation Point  
On The Top Most Wire of The  
Section of Sag Over 200' AGL.



Scale:  
Horiz: 1" = 200'  
Vert: 1" = 40'

Exhibit 26



Mail Processing Center  
 Federal Aviation Administration  
 Southwest Regional Office  
 Obstruction Evaluation Group  
 2601 Meacham Boulevard  
 Fort Worth, TX 76137

Aeronautical Study No.  
 2012-ASO-10512-OE

Issued Date: 01/22/2013

Erica Cutler  
 Power Engineers for AEP  
 1041 521 Corporate Center Drive, Suite 105  
 Fort Mill, SC 29707

**\*\* DETERMINATION OF NO HAZARD TO AIR NAVIGATION \*\***

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Transmission Line Cat 69-70 (Point on Static Wire)
Location:	Hindman, KY
Latitude:	37-22-45.82N NAD 83
Longitude:	83-03-29.16W
Heights:	1226 feet site elevation (SE) 255 feet above ground level (AGL) 1481 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

As a condition to this Determination, the structure is marked/lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, dual medium catenary - Chapters 4,10(Catenary),&12.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

**See attachment for additional condition(s) or information.**

While the structure does not constitute a hazard to air navigation, it would be located within or near a military training area and/or route.

Any height exceeding 255 feet above ground level (1481 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 07/22/2014 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.
- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

If we can be of further assistance, please contact our office at (847) 294-7458. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2012-ASO-10512-OE.

**Signature Control No: 176290023-181532569**

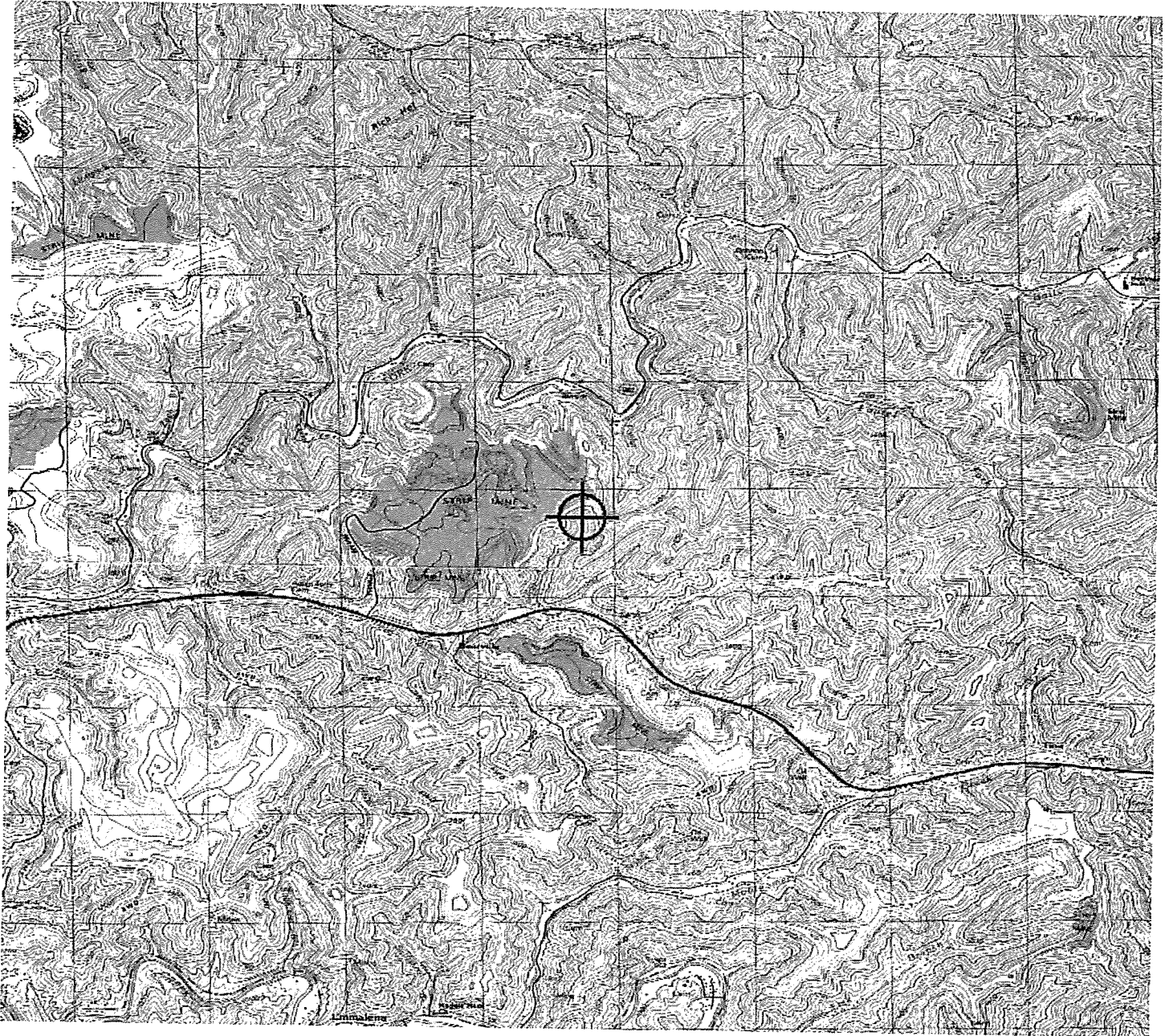
( DNE )

Fred Souchet  
Specialist

Attachment(s)  
Additional Information  
Map(s)

**Additional information for ASN 2012-ASO-10512-OE**

Based on this evaluation the request for Spherical Markers cannot be granted . Spherical Markers are required if the wire voltage is less than 69 KV. The wire voltage for the above transmission lines is 138kV. Therefore, IAW AC 70/7460-1 K Change 2 this structure is to be marked/lighted with dual medium catenary lighting - Chapters 4, 10 (Centenary) & 12.





### Notice of Proposed Construction or Alteration - Off Airport

Project Name: POWER-000221073-12

Sponsor: Power Engineers for AEP

#### Details for Case : Cat 81-82 (Point on Static Wire)

Show Project Summary

##### Case Status

ASN: 2012-ASO-10513-OE

Status: Determined

7460-2 (PART II) required within 5 days after the construction reaches its greatest height.

Add Supplemental Notice (7460-2)

Public Comments: None

Date Accepted: 11/02/2012

Date Determined: 01/22/2013

Letters: 01/22/2013 DNE

Documents: 11/01/2012 FAA\_81 to 82\_Exb ...

Project Documents: None

##### Construction / Alteration Information

Notice Of: Construction

Duration: Permanent

*if Temporary :* Months: Days:

Work Schedule - Start: 04/15/2013

Work Schedule - End: 10/16/2014

*\*For temporary cranes-Does the permanent structure require separate notice to the FAA? To find out, use the Notice Criteria Tool. If separate notice is required, please ensure it is filed. If it is not filed, please state the reason in the Description of Proposal.*

State Filing:

##### Structure Summary

Structure Type: Transmission Line

Structure Name: Cat 81-82 (Point on Static Wire)

NOTAM Number:

FCC Number:

Prior ASN:

##### Structure Details

Latitude: 37° 22' 41.03" N

Longitude: 83° 1' 22.31" W

Horizontal Datum: NAD83

Site Elevation (SE): 1159 (nearest foot)

Structure Height (AGL): 321 (nearest foot)

Current Height (AGL): (nearest foot)

*\* For notice of alteration or existing provide the current AGL height of the existing structure. Include details in the Description of Proposal*

Nacelle Height (AGL): (nearest foot)

*\* For Wind Turbines 500ft AGL or greater*

Requested Marking/Lighting: Spherical Markers

**Other :**

Recommended Marking/Lighting: Dual medium catenary

Current Marking/Lighting: N/A New Structure

**Other :**

Nearest City: Hindman

Nearest State: Kentucky

Description of Location: Mountainous terrain in eastern Kentucky

Description of Proposal: This filing is not for a structure, but is a point on a static wire where it is the highest AGL. (See attached exhibit) Bonnyman to Soft Shell 138kV K408.

##### Common Frequency Bands

Low Freq	High Freq	Freq Unit	ERP	ERP Unit

##### Specific Frequencies

Note: Point 'A' = The Highest Elevation Point  
On The Top Most Wire of The  
Section of Sag Over 200' AGL.

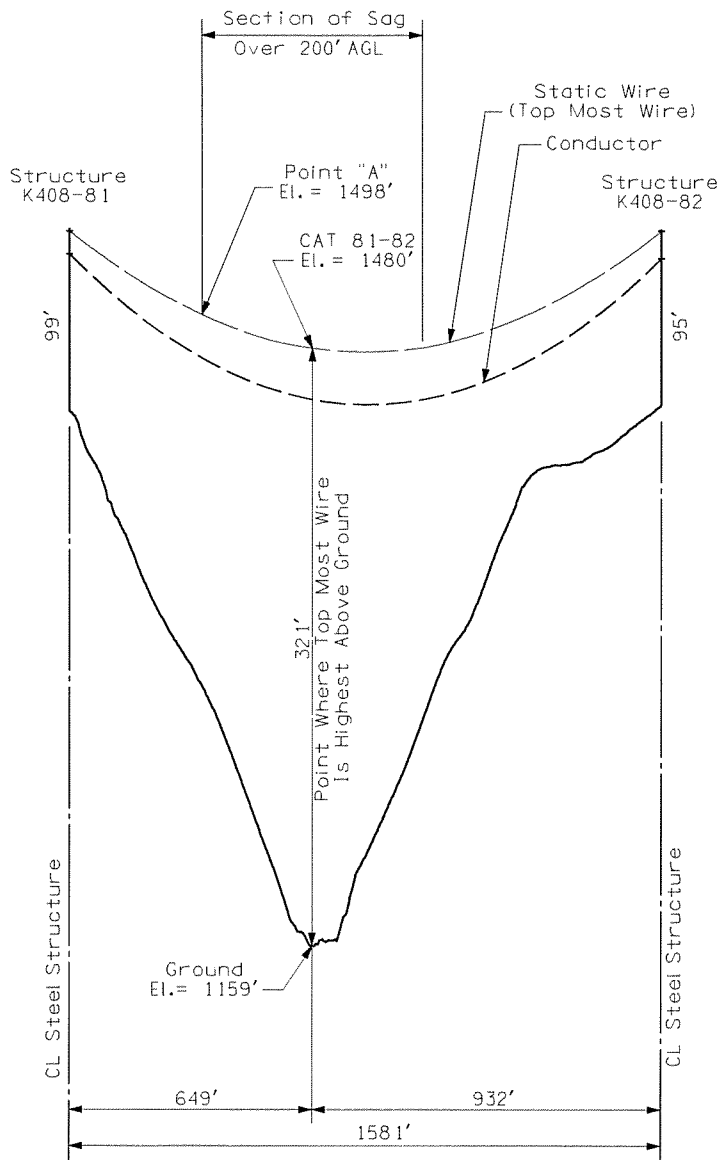


Exhibit 27

Scale:  
Horiz: 1" = 400'  
Vert: 1" = 80'



Mail Processing Center  
 Federal Aviation Administration  
 Southwest Regional Office  
 Obstruction Evaluation Group  
 2601 Meacham Boulevard  
 Fort Worth, TX 76137

Aeronautical Study No.  
 2012-ASO-10513-OE

Issued Date: 01/22/2013

Erica Cutler  
 Power Engineers for AEP  
 1041 521 Corporate Center Drive, Suite 105  
 Fort Mill, SC 29707

**\*\* DETERMINATION OF NO HAZARD TO AIR NAVIGATION \*\***

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Transmission Line Cat 81-82 (Point on Static Wire)
Location:	Hindman, KY
Latitude:	37-22-41.03N NAD 83
Longitude:	83-01-22.31W
Heights:	1159 feet site elevation (SE)
	321 feet above ground level (AGL)
	1480 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

As a condition to this Determination, the structure is marked/lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, dual medium catenary - Chapters 4,10(Catenary),&12.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

**See attachment for additional condition(s) or information.**

While the structure does not constitute a hazard to air navigation, it would be located within or near a military training area and/or route.

Any height exceeding 321 feet above ground level (1480 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 07/22/2014 unless:



- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.
- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

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This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

If we can be of further assistance, please contact our office at (847) 294-7458. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2012-ASO-10513-OE.

**Signature Control No: 176290025-181532570**

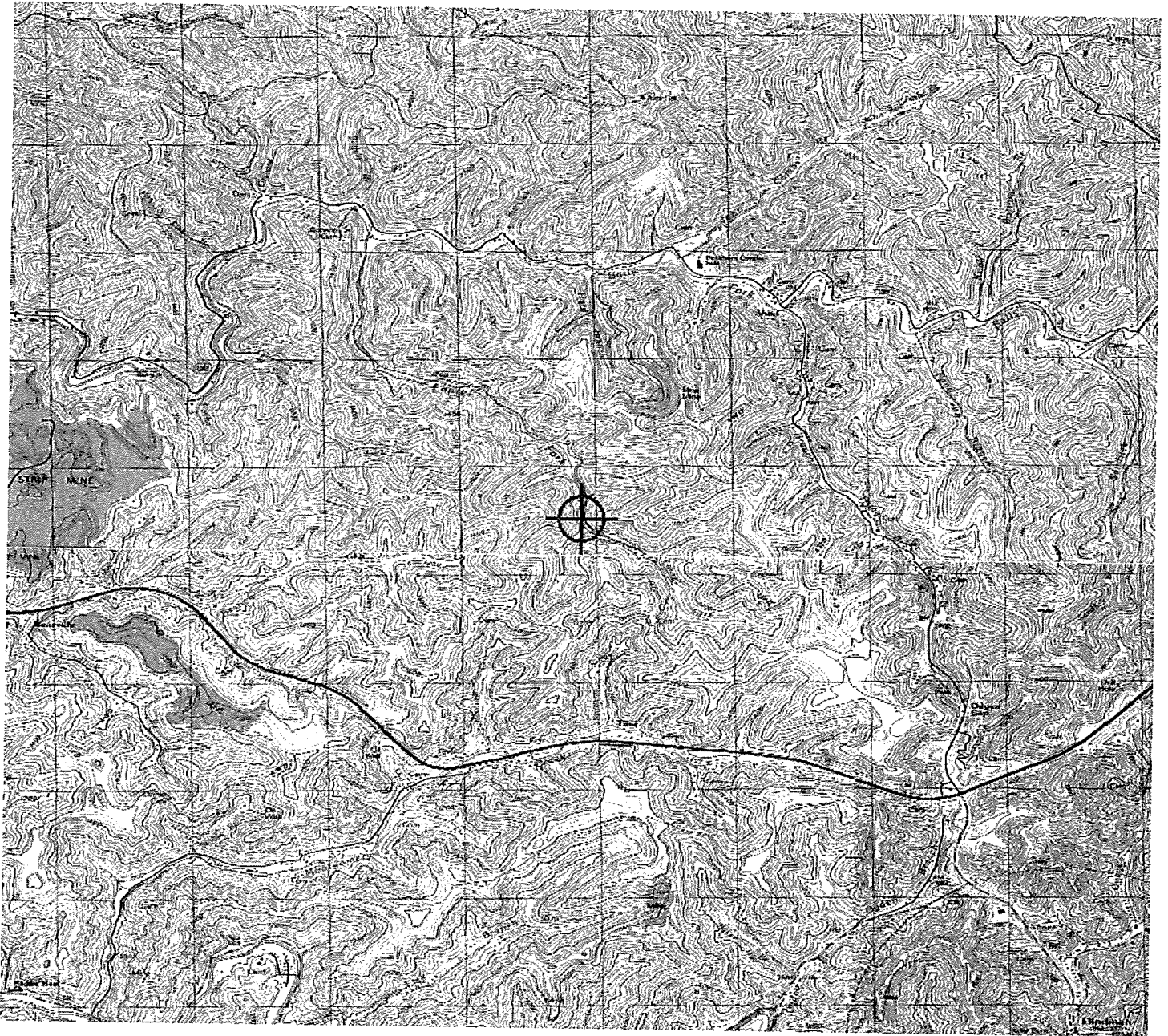
( DNE )

Fred Souchet  
Specialist

Attachment(s)  
Additional Information  
Map(s)

**Additional information for ASN 2012-ASO-10513-OE**

Based on this evaluation the request for Spherical Markers cannot be granted . Spherical Markers are required if the wire voltage is less than 69 KV. The wire voltage for the above transmission lines is 138kV. Therefore, IAW AC 70/7460-1 K Change 2 this structure is to be marked/lighted with dual medium catenary lighting - Chapters 4, 10 (Centenary) & 12.





### Notice of Proposed Construction or Alteration - Off Airport

Project Name: POWER-000221073-12

Sponsor: Power Engineers for AEP

#### Details for Case : Cat 89-90 (Point on Static Wire)

Show Project Summary

##### Case Status

ASN: 2012-ASO-10514-OE

Status: Determined

7460-2 (PART II) required within 5 days after the construction reaches its greatest height.

Add Supplemental Notice (7460-2)

Public Comments: None

Date Accepted: 11/02/2012

Date Determined: 01/22/2013

Letters: 01/22/2013 DNE

Documents: 11/01/2012 FAA\_89 to 90\_Exb ...

Project Documents: None

##### Construction / Alteration Information

Notice Of: Construction

Duration: Permanent

*if Temporary* : Months: Days:

Work Schedule - Start: 04/15/2013

Work Schedule - End: 10/16/2014

*\*For temporary cranes-Does the permanent structure require separate notice to the FAA? To find out, use the Notice Criteria Tool. If separate notice is required, please ensure it is filed. If it is not filed, please state the reason in the Description of Proposal.*

State Filing:

##### Structure Summary

Structure Type: Transmission Line

Structure Name: Cat 89-90 (Point on Static Wire)

NOTAM Number:

FCC Number:

Prior ASN:

##### Structure Details

Latitude: 37° 22' 56.46" N

Longitude: 83° 0' 9.23" W

Horizontal Datum: NAD83

Site Elevation (SE): 1108 (nearest foot)

Structure Height (AGL): 264 (nearest foot)

Current Height (AGL): (nearest foot)

*\* For notice of alteration or existing provide the current AGL height of the existing structure.*

*Include details in the Description of Proposal*

Nacelle Height (AGL): (nearest foot)

*\* For Wind Turbines 500ft AGL or greater*

Requested Marking/Lighting: Spherical Markers

**Other :**

Recommended Marking/Lighting: Dual medium catenary

Current Marking/Lighting: N/A New Structure

**Other :**

Nearest City: Hindman

Nearest State: Kentucky

Description of Location: Mountainous terrain in eastern Kentucky

Description of Proposal: This filing is not for a structure, but is a point on a static wire where it is the highest AGL. (See attached exhibit) Bonnyman to Soft Shell 138kV K408.

##### Common Frequency Bands

Low Freq	High Freq	Freq Unit	ERP	ERP Unit

##### Specific Frequencies

Note: Point 'A' = The Highest Elevation Point On The Top Most Wire of The Section of Sag Over 200' AGL.

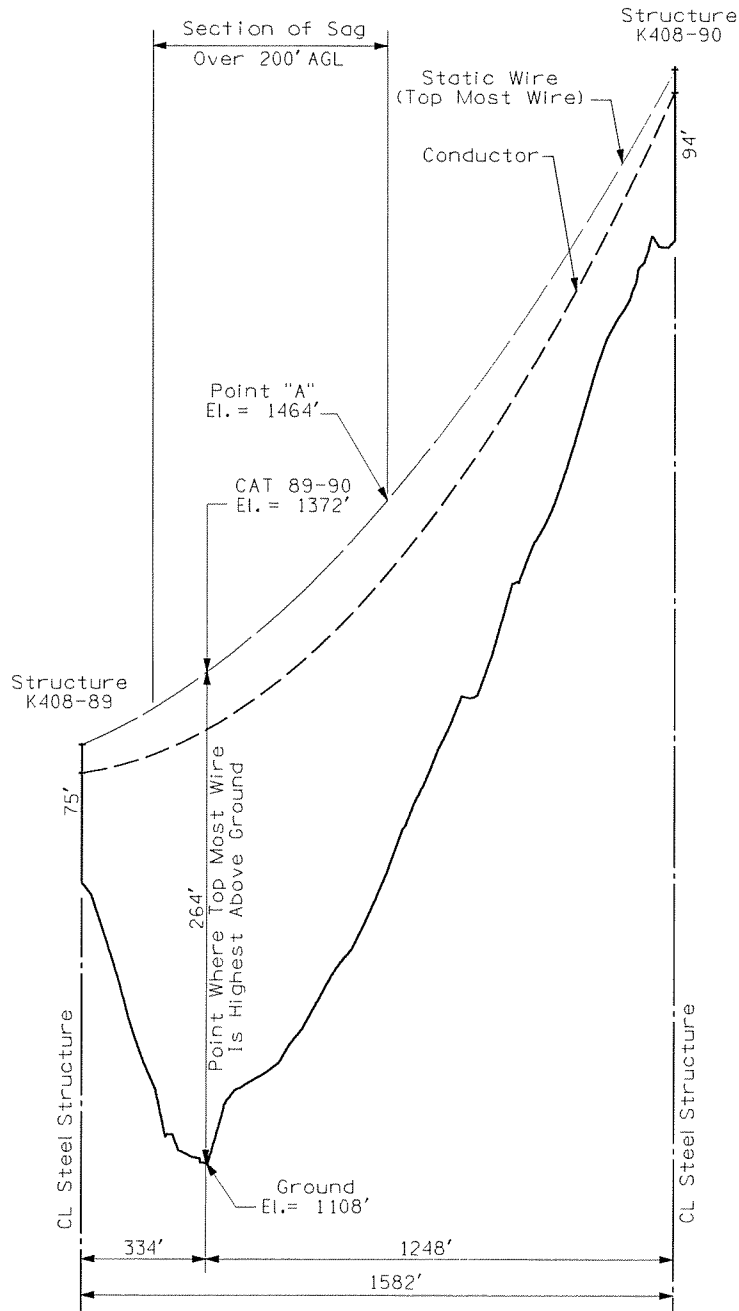


Exhibit 28

Scale:  
Horiz: 1" = 400'  
Vert: 1" = 80'



Mail Processing Center  
 Federal Aviation Administration  
 Southwest Regional Office  
 Obstruction Evaluation Group  
 2601 Meacham Boulevard  
 Fort Worth, TX 76137

Aeronautical Study No.  
 2012-ASO-10514-OE

Issued Date: 01/22/2013

Erica Cutler  
 Power Engineers for AEP  
 1041 521 Corporate Center Drive, Suite 105  
 Fort Mill, SC 29707

**\*\* DETERMINATION OF NO HAZARD TO AIR NAVIGATION \*\***

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Transmission Line Cat 89-90 (Point on Static Wire)
Location:	Hindman, KY
Latitude:	37-22-56.46N NAD 83
Longitude:	83-00-09.23W
Heights:	1108 feet site elevation (SE)
	264 feet above ground level (AGL)
	1372 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

As a condition to this Determination, the structure is marked/lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, dual medium catenary - Chapters 4,10(Catenary),&12.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

**See attachment for additional condition(s) or information.**

While the structure does not constitute a hazard to air navigation, it would be located within or near a military training area and/or route.

Any height exceeding 264 feet above ground level (1372 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 07/22/2014 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.
- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

If we can be of further assistance, please contact our office at (847) 294-7458. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2012-ASO-10514-OE.

**Signature Control No: 176290026-181532572**

( DNE )

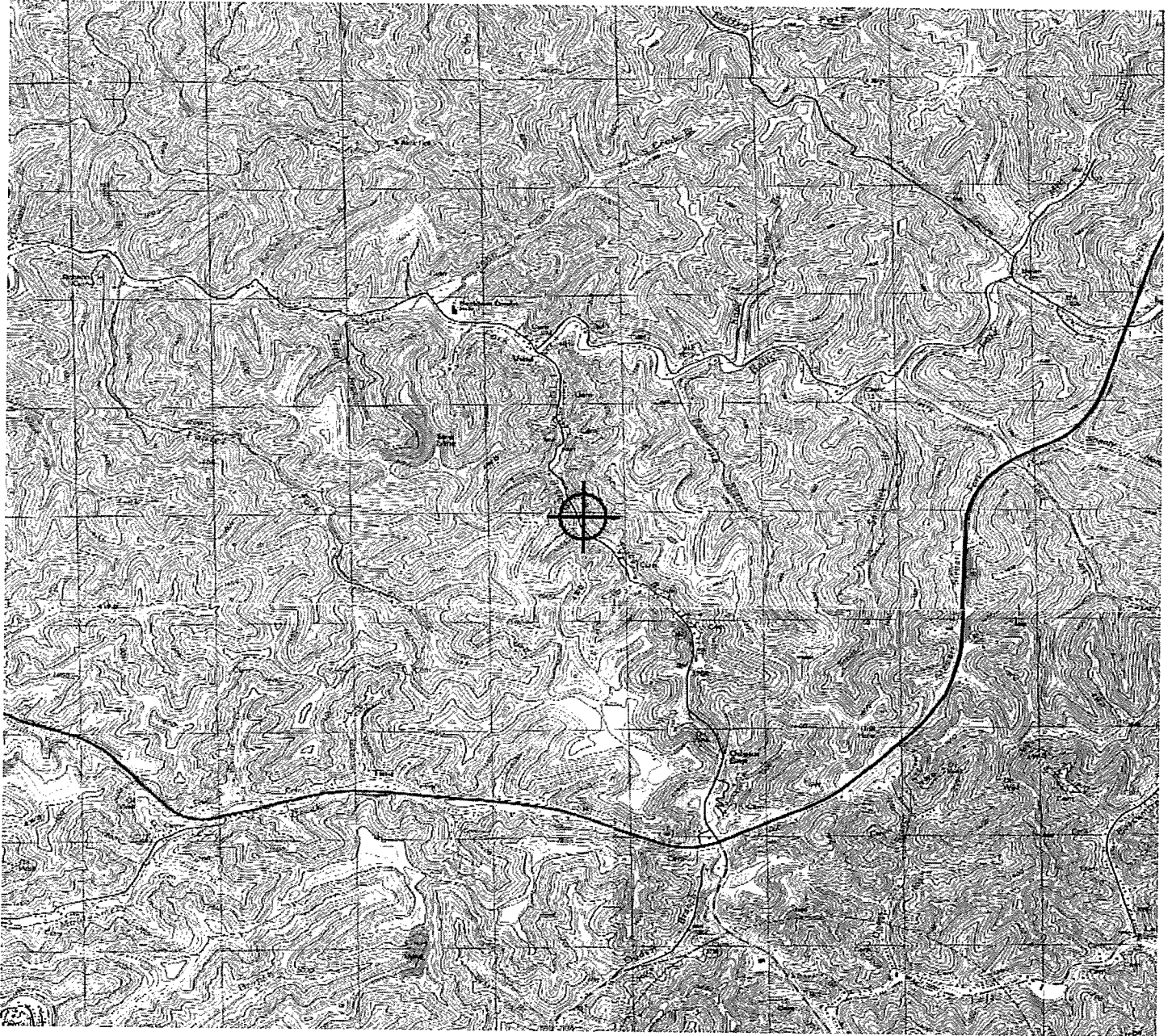
Fred Souchet  
Specialist

Attachment(s)  
Additional Information  
Map(s)

**Additional information for ASN 2012-ASO-10514-OE**

Based on this evaluation the request for Spherical Markers cannot be granted . Spherical Markers are required if the wire voltage is less than 69 KV. The wire voltage for the above transmission lines is 138kV. Therefore, IAW AC 70/7460-1 K Change 2 this structure is to be marked/lighted with dual medium catenary lighting - Chapters 4, 10 (Centenary) & 12.







## Notice of Proposed Construction or Alteration - Off Airport

Project Name: POWER-000221073-12

Sponsor: Power Engineers for AEP

### Details for Case : Cat 92-93 (Point on Static Wire)

Show Project Summary

#### Case Status

ASN: 2012-ASO-10515-OE

Status: Determined

7460-2 (PART II) required within 5 days after the construction reaches its greatest height.

Add Supplemental Notice (7460-2)

Public Comments: None

Date Accepted: 11/02/2012

Date Determined: 01/22/2013

Letters: 01/22/2013 DNE

Documents: 11/01/2012 FAA\_92 to 93\_Exb ...

Project Documents:  
None

#### Construction / Alteration Information

Notice Of: Construction

Duration: Permanent

**if Temporary :** Months: Days:

Work Schedule - Start: 04/15/2013

Work Schedule - End: 10/16/2014

*\*For temporary cranes-Does the permanent structure require separate notice to the FAA? To find out, use the Notice Criteria Tool. If separate notice is required, please ensure it is filed. If it is not filed, please state the reason in the Description of Proposal.*

State Filing:

#### Structure Details

Latitude: 37° 23' 7.45" N

Longitude: 82° 59' 27.17" W

Horizontal Datum: NAD83

Site Elevation (SE): 1106 (nearest foot)

Structure Height (AGL): 292 (nearest foot)

Current Height (AGL): (nearest foot)

*\* For notice of alteration or existing provide the current AGL height of the existing structure. Include details in the Description of Proposal*

Nacelle Height (AGL): (nearest foot)

*\* For Wind Turbines 500ft AGL or greater*

Requested Marking/Lighting: Spherical Markers

**Other :**

Recommended Marking/Lighting: Dual medium catenary

Current Marking/Lighting: N/A New Structure

**Other :**

Nearest City: Hindman

Nearest State: Kentucky

Description of Location: Mountainous terrain in eastern Kentucky

Description of Proposal: This filing is not for a structure, but is a point on a static wire where it is the highest AGL. (See attached exhibit) Bonnyman to Soft Shell 138kV K408.

#### Structure Summary

Structure Type: Transmission Line

Structure Name: Cat 92-93 (Point on Static Wire)

NOTAM Number:

FCC Number:

Prior ASN:

#### Common Frequency Bands

Low Freq	High Freq	Freq Unit	ERP	ERP Unit
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#### Specific Frequencies

Note: Point 'A' = The Highest Elevation Point  
On The Top Most Wire of The  
Section of Sag Over 200' AGL.

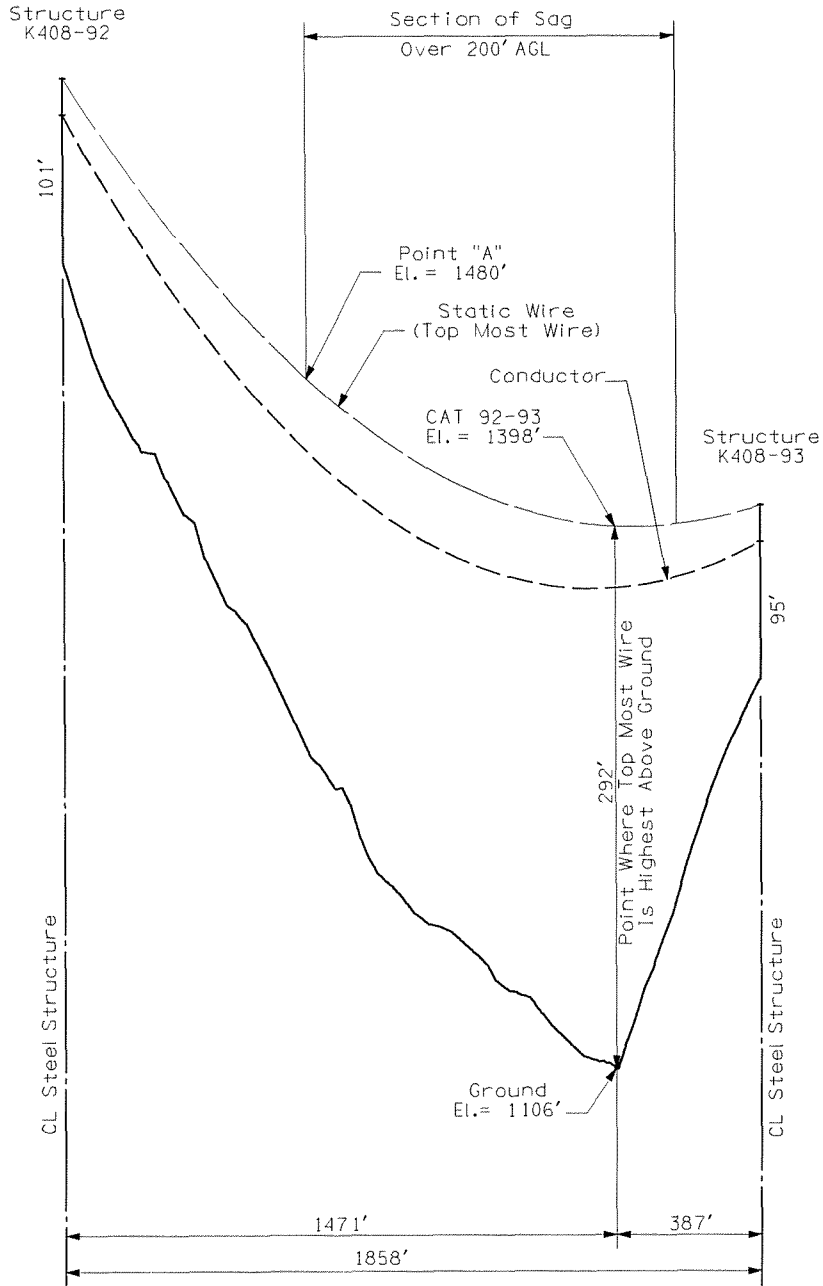


Exhibit 29

Scale:  
Horiz: 1" = 400'  
Vert: 1" = 80'



Mail Processing Center  
 Federal Aviation Administration  
 Southwest Regional Office  
 Obstruction Evaluation Group  
 2601 Meacham Boulevard  
 Fort Worth, TX 76137

Aeronautical Study No.  
 2012-ASO-10515-OE

Issued Date: 01/22/2013

Erica Cutler  
 Power Engineers for AEP  
 1041 521 Corporate Center Drive, Suite 105  
 Fort Mill, SC 29707

**\*\* DETERMINATION OF NO HAZARD TO AIR NAVIGATION \*\***

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Transmission Line Cat 92-93 (Point on Static Wire)
Location:	Hindman, KY
Latitude:	37-23-07.45N NAD 83
Longitude:	82-59-27.17W
Heights:	1106 feet site elevation (SE) 292 feet above ground level (AGL) 1398 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

As a condition to this Determination, the structure is marked/lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, dual medium catenary - Chapters 4,10(Catenary),&12.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

**See attachment for additional condition(s) or information.**

While the structure does not constitute a hazard to air navigation, it would be located within or near a military training area and/or route.

Any height exceeding 292 feet above ground level (1398 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 07/22/2014 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.
- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

If we can be of further assistance, please contact our office at (847) 294-7458. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2012-ASO-10515-OE.

**Signature Control No: 176290027-181532580**

( DNE )

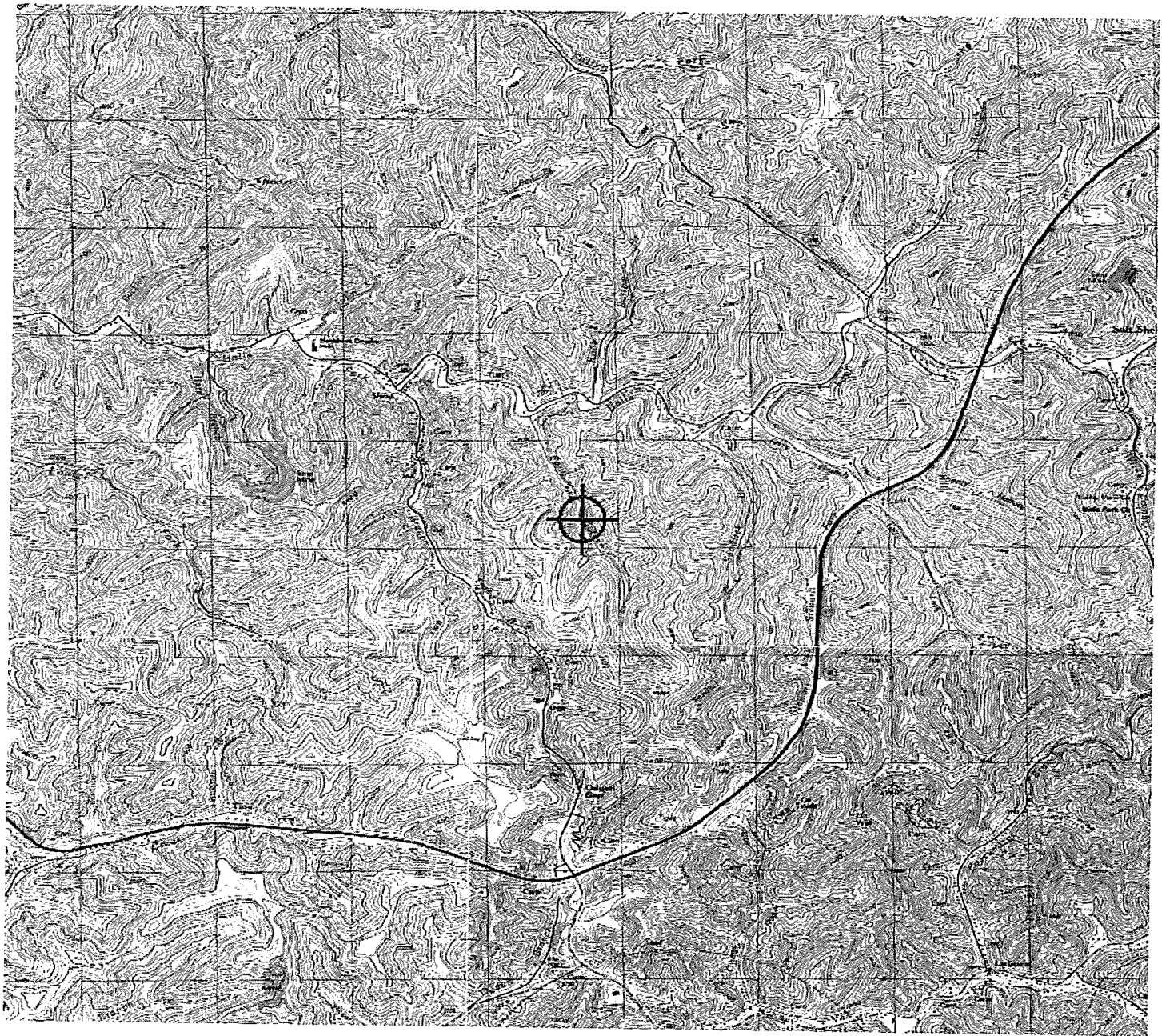
Fred Souchet  
Specialist

Attachment(s)  
Additional Information  
Map(s)

## **Additional information for ASN 2012-ASO-10515-OE**

Based on this evaluation the request for Spherical Markers cannot be granted . Spherical Markers are required if the wire voltage is less than 69 KV. The wire voltage for the above transmission lines is 138kV. Therefore, IAW AC 70/7460-1 K Change 2 this structure is to be marked/lighted with dual medium catenary lighting - Chapters 4, 10 (Centenary) & 12.







### Notice of Proposed Construction or Alteration - Off Airport

Project Name: POWER-000221073-12

Sponsor: Power Engineers for AEP

#### Details for Case : Cat 94-95 (Point on Static Wire)

Show Project Summary

##### Case Status

ASN: 2012-ASO-10516-OE

Status: Determined

7460-2 (PART II) required within 5 days after the construction reaches its greatest height.

Add Supplemental Notice (7460-2)

Public Comments: None

Date Accepted: 11/02/2012

Date Determined: 01/22/2013

Letters: 01/22/2013 DNE

Documents: 11/01/2012 FAA\_94 to 95\_Exb ...

Project Documents: None

##### Construction / Alteration Information

Notice Of: Construction

Duration: Permanent

*if Temporary :* Months: Days:

Work Schedule - Start: 04/15/2013

Work Schedule - End: 10/16/2014

*\*For temporary cranes-Does the permanent structure require separate notice to the FAA? To find out, use the Notice Criteria Tool. If separate notice is required, please ensure it is filed. If it is not filed, please state the reason in the Description of Proposal.*

State Filing:

##### Structure Summary

Structure Type: Transmission Line

Structure Name: Cat 94-95 (Point on Static Wire)

NOTAM Number:

FCC Number:

Prior ASN:

##### Structure Details

Latitude: 37° 23' 13.21" N

Longitude: 82° 58' 51.95" W

Horizontal Datum: NAD83

Site Elevation (SE): 1363 (nearest foot)

Structure Height (AGL): 201 (nearest foot)

Current Height (AGL): (nearest foot)

*\* For notice of alteration or existing provide the current AGL height of the existing structure.*

*Include details in the Description of Proposal*

Nacelle Height (AGL): (nearest foot)

*\* For Wind Turbines 500ft AGL or greater*

Requested Marking/Lighting: Spherical Markers

**Other :**

Recommended Marking/Lighting: Dual medium catenary

Current Marking/Lighting: N/A New Structure

**Other :**

Nearest City: Hindman

Nearest State: Kentucky

Description of Location: Mountainous terrain in eastern Kentucky

Description of Proposal: This filing is not for a structure, but is a point on a static wire where it is the highest AGL. (See attached exhibit) Bonnyman to Soft Shell 138kV K408.

##### Common Frequency Bands

Low Freq High Freq Freq Unit ERP ERP Unit

##### Specific Frequencies



Note: Point 'A' = The Highest Elevation Point  
On The Top Most Wire of The  
Section of Sag Over 200' AGL.

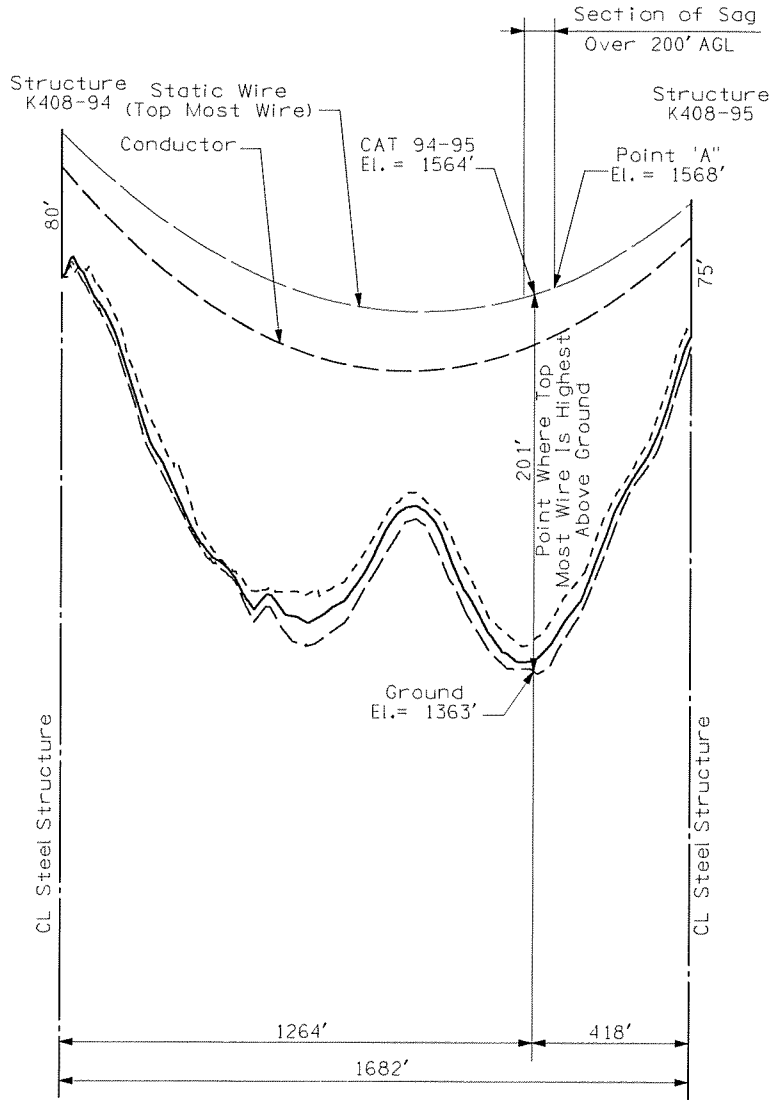


Exhibit 30

Scale:  
Horiz: 1" = 400'  
Vert: 1" = 80'



Mail Processing Center  
 Federal Aviation Administration  
 Southwest Regional Office  
 Obstruction Evaluation Group  
 2601 Meacham Boulevard  
 Fort Worth, TX 76137

Aeronautical Study No.  
 2012-ASO-10516-OE

Issued Date: 01/22/2013

Erica Cutler  
 Power Engineers for AEP  
 1041 521 Corporate Center Drive, Suite 105  
 Fort Mill, SC 29707

**\*\* DETERMINATION OF NO HAZARD TO AIR NAVIGATION \*\***

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Transmission Line Cat 94-95 (Point on Static Wire)
Location:	Hindman, KY
Latitude:	37-23-13.21N NAD 83
Longitude:	82-58-51.95W
Heights:	1363 feet site elevation (SE)
	201 feet above ground level (AGL)
	1564 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

As a condition to this Determination, the structure is marked/lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, dual medium catenary - Chapters 4,10(Catenary),&12.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

**See attachment for additional condition(s) or information.**

While the structure does not constitute a hazard to air navigation, it would be located within or near a military training area and/or route.

Any height exceeding 201 feet above ground level (1564 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 07/22/2014 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.
- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

If we can be of further assistance, please contact our office at (847) 294-7458. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2012-ASO-10516-OE.

**Signature Control No: 176290028-181532574**

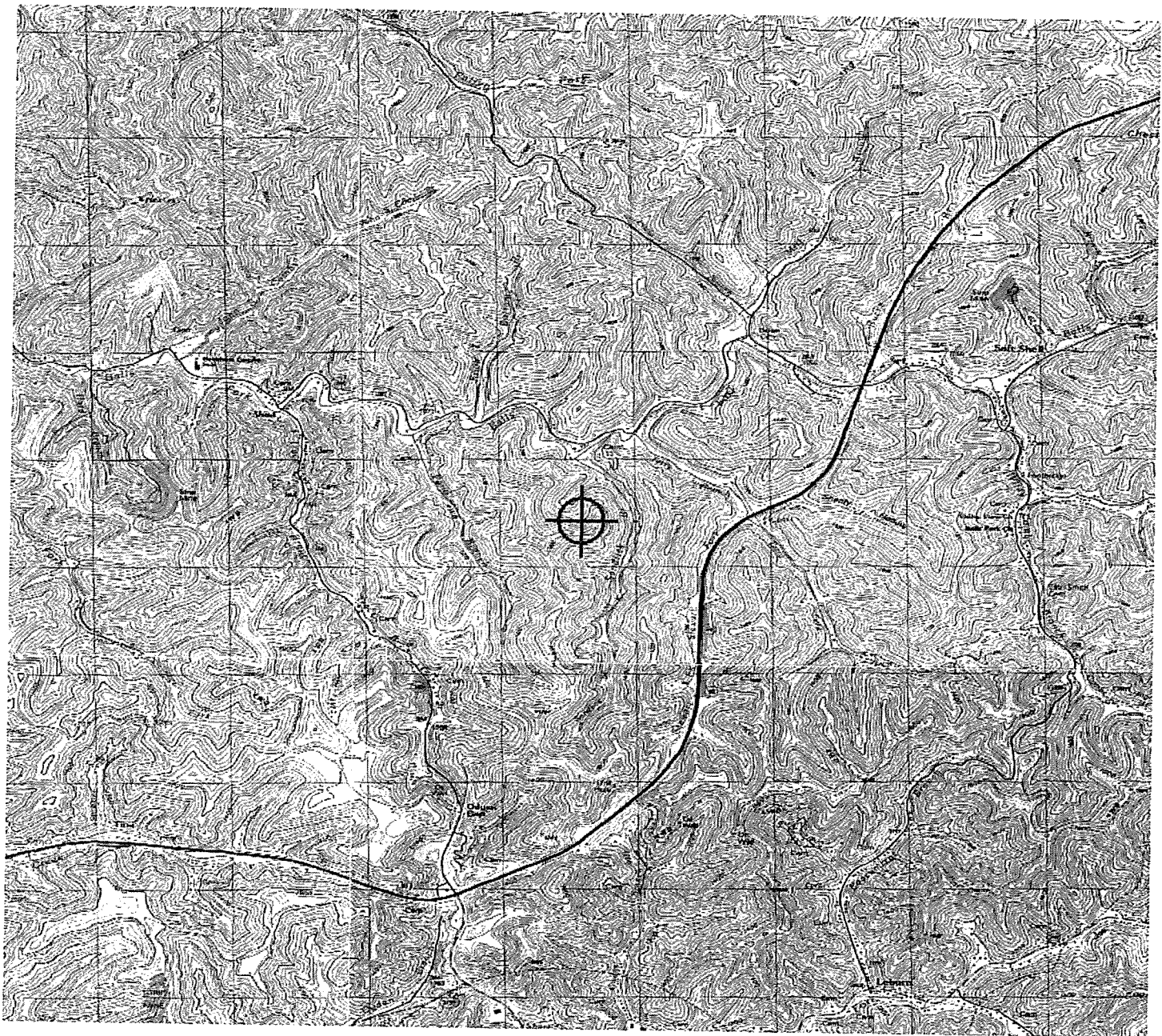
( DNE )

Fred Souchet  
Specialist

Attachment(s)  
Additional Information  
Map(s)

## **Additional information for ASN 2012-ASO-10516-OE**

Based on this evaluation the request for Spherical Markers cannot be granted . Spherical Markers are required if the wire voltage is less than 69 KV. The wire voltage for the above transmission lines is 138kV. Therefore, IAW AC 70/7460-1 K Change 2 this structure is to be marked/lighted with dual medium catenary lighting - Chapters 4, 10 (Centenary) & 12.





### Notice of Proposed Construction or Alteration - Off Airport

Project Name: POWER-000221073-12

Sponsor: Power Engineers for AEP

#### Details for Case : Cat 95-96 (Point on Static Wire)

Show Project Summary

##### Case Status

ASN: 2012-ASO-10517-OE

Status: Determined

7460-2 (PART II) required within 5 days after the construction reaches its greatest height.

Add Supplemental Notice (7460-2)

Public Comments: None

Date Accepted: 11/02/2012

Date Determined: 01/22/2013

Letters: 01/22/2013 DNE

Documents: 11/01/2012 FAA\_95 to 96\_Exb ...

Project Documents: None

##### Construction / Alteration Information

Notice Of: Construction

Duration: Permanent

*if Temporary :* Months: Days:

Work Schedule - Start: 04/15/2013

Work Schedule - End: 10/16/2014

*\*For temporary cranes-Does the permanent structure require separate notice to the FAA? To find out, use the Notice Criteria Tool. If separate notice is required, please ensure it is filed. If it is not filed, please state the reason in the Description of Proposal.*

State Filing:

##### Structure Summary

Structure Type: Transmission Line

Structure Name: Cat 95-96 (Point on Static Wire)

NOTAM Number:

FCC Number:

Prior ASN:

##### Structure Details

Latitude: 37° 23' 13.84" N

Longitude: 82° 58' 36.35" W

Horizontal Datum: NAD83

Site Elevation (SE): 1103 (nearest foot)

Structure Height (AGL): 444 (nearest foot)

Current Height (AGL): (nearest foot)

*\* For notice of alteration or existing provide the current AGL height of the existing structure. Include details in the Description of Proposal*

Nacelle Height (AGL): (nearest foot)

*\* For Wind Turbines 500ft AGL or greater*

Requested Marking/Lighting: Spherical Markers

**Other :**

Recommended Marking/Lighting: Dual medium catenary

Current Marking/Lighting: N/A New Structure

**Other :**

Nearest City: Hindman

Nearest State: Kentucky

Description of Location: Mountainous terrain in eastern Kentucky

Description of Proposal: This filing is not for a structure, but is a point on a static wire where it is the highest AGL. (See attached exhibit) Bonnyman to Soft Shell 138kV K408.

##### Common Frequency Bands

Low Freq High Freq Freq Unit ERP ERP Unit

##### Specific Frequencies

Note: Point 'A' = The Highest Elevation Point On The Top Most Wire of The Section of Sag Over 200' AGL.

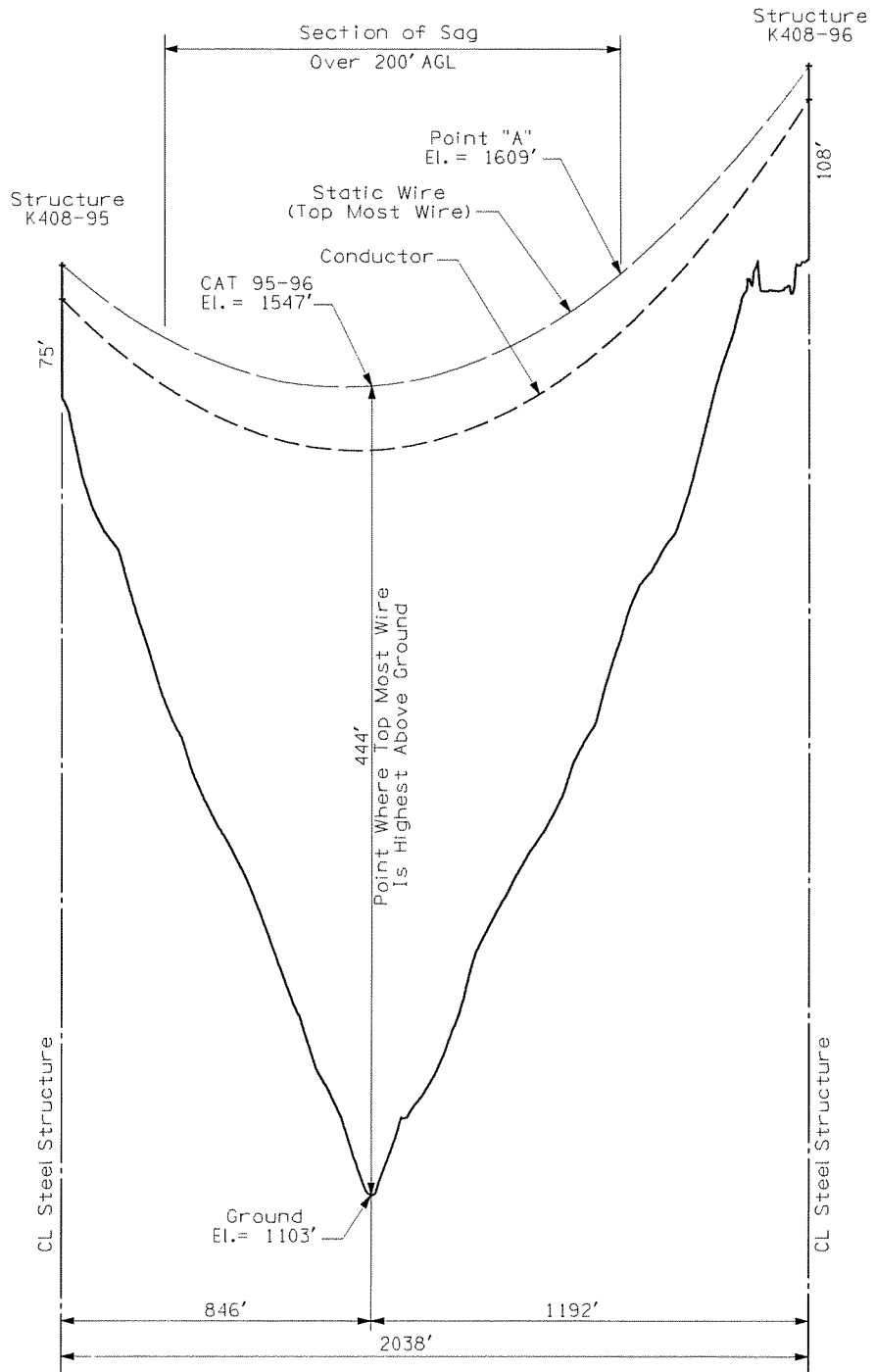


Exhibit 31

Scale:  
Horiz: 1" = 400'  
Vert: 1" = 80'



Mail Processing Center  
 Federal Aviation Administration  
 Southwest Regional Office  
 Obstruction Evaluation Group  
 2601 Meacham Boulevard  
 Fort Worth, TX 76137

Aeronautical Study No.  
 2012-ASO-10517-OE

Issued Date: 01/22/2013

Erica Cutler  
 Power Engineers for AEP  
 1041 521 Corporate Center Drive, Suite 105  
 Fort Mill, SC 29707

**\*\* DETERMINATION OF NO HAZARD TO AIR NAVIGATION \*\***

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Transmission Line Cat 95-96 (Point on Static Wire)
Location:	Hindman, KY
Latitude:	37-23-13.84N NAD 83
Longitude:	82-58-36.35W
Heights:	1103 feet site elevation (SE) 444 feet above ground level (AGL) 1547 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

As a condition to this Determination, the structure is marked/lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, dual medium catenary - Chapters 4,10(Catenary),&12.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

**See attachment for additional condition(s) or information.**

While the structure does not constitute a hazard to air navigation, it would be located within or near a military training area and/or route.

Any height exceeding 444 feet above ground level (1547 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 07/22/2014 unless:



- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.
- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

If we can be of further assistance, please contact our office at (847) 294-7458. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2012-ASO-10517-OE.

**Signature Control No: 176290029-181532577**

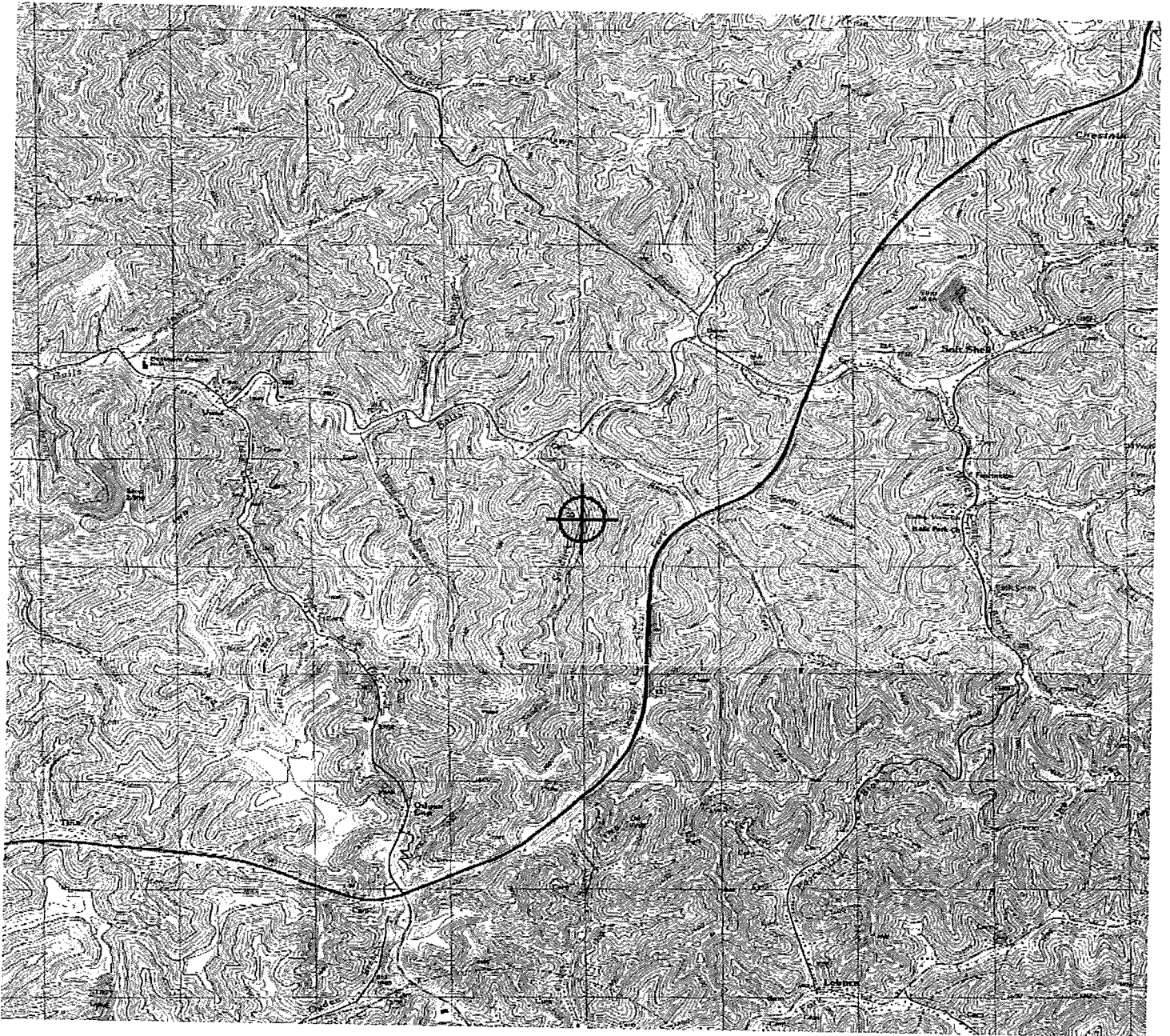
( DNE )

Fred Souchet  
Specialist

Attachment(s)  
Additional Information  
Map(s)

**Additional information for ASN 2012-ASO-10517-OE**

Based on this evaluation the request for Spherical Markers cannot be granted . Spherical Markers are required if the wire voltage is less than 69 KV. The wire voltage for the above transmission lines is 138kV. Therefore, IAW AC 70/7460-1 K Change 2 this structure is to be marked/lighted with dual medium catenary lighting - Chapters 4, 10 (Centenary) & 12.





Notice of Proposed Construction or Alteration - Off Airport

Project Name: POWER-000221073-12

Sponsor: Power Engineers for AEP

Details for Case : Cat 97-98 (Point on Static Wire)

Show Project Summary

Case Status

ASN: 2012-ASO-10518-OE  
Status: Determined

Date Accepted: 11/02/2012

Date Determined: 01/22/2013

Letters: 01/22/2013 DNE

Documents: 11/01/2012 FAA\_97 to 98\_Exp ...

7460-2 (PART II) required within 5 days after the construction reaches its greatest height.

Add Supplemental Notice (7460-2)

Public Comments: None

Project Documents:  
None

Construction / Alteration Information

Notice Of: Construction  
Duration: Permanent  
**if Temporary :** Months: Days:  
Work Schedule - Start: 04/15/2013  
Work Schedule - End: 10/16/2014

Structure Summary

Structure Type: Transmission Line  
Structure Name: Cat 97-98 (Point on Static Wire)  
NOTAM Number:  
FCC Number:  
Prior ASN:

*\*For temporary cranes-Does the permanent structure require separate notice to the FAA? To find out, use the Notice Criteria Tool. If separate notice is required, please ensure it is filed. If it is not filed, please state the reason in the Description of Proposal.*

State Filing:

Structure Details

Latitude: 37° 23' 19.07" N  
Longitude: 82° 58' 4.25" W  
Horizontal Datum: NAD83  
Site Elevation (SE): 1084 (nearest foot)  
Structure Height (AGL): 245 (nearest foot)  
Current Height (AGL): (nearest foot)  
*\* For notice of alteration or existing provide the current AGL height of the existing structure. Include details in the Description of Proposal*  
Nacelle Height (AGL): (nearest foot)  
*\* For Wind Turbines 500ft AGL or greater*

Common Frequency Bands

Low Freq High Freq Freq Unit ERP ERP Unit

Specific Frequencies

Requested Marking/Lighting: Spherical Markers

**Other :**

Recommended Marking/Lighting: Dual medium catenary

Current Marking/Lighting: N/A New Structure

**Other :**

Nearest City: Hindman

Nearest State: Kentucky

Description of Location: Mountainous terrain in eastern Kentucky

Description of Proposal: This filing is not for a structure, but is a point on a static wire where it is the highest AGL. (See attached exhibit) Bonnyman to Soft Shell 138kV K408.

Note: Point 'A' = The Highest Elevation Point  
On The Top Most Wire of The  
Section of Sag Over 200' AGL.

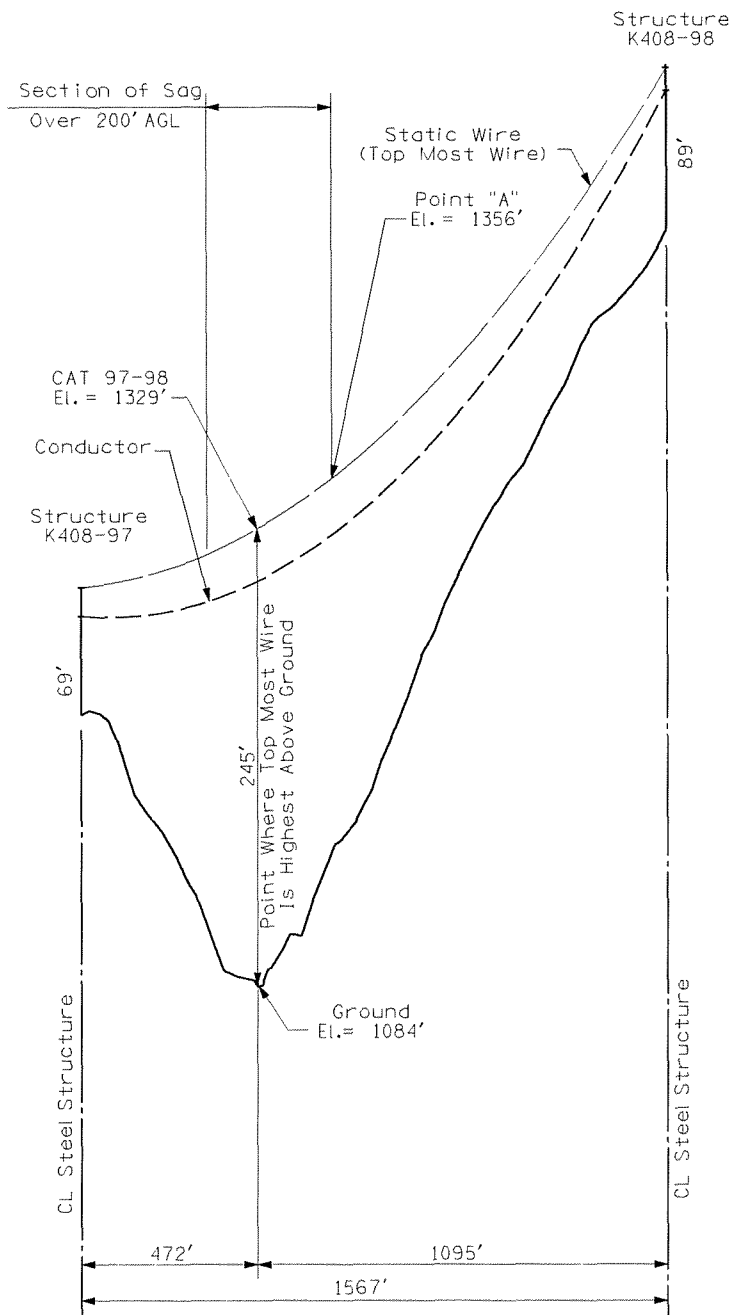


Exhibit 32

Scale:  
Horiz: 1" = 400'  
Vert: 1" = 80'



Mail Processing Center  
 Federal Aviation Administration  
 Southwest Regional Office  
 Obstruction Evaluation Group  
 2601 Meacham Boulevard  
 Fort Worth, TX 76137

Aeronautical Study No.  
 2012-ASO-10518-OE

Issued Date: 01/22/2013

Erica Cutler  
 Power Engineers for AEP  
 1041 521 Corporate Center Drive, Suite 105  
 Fort Mill, SC 29707

**\*\* DETERMINATION OF NO HAZARD TO AIR NAVIGATION \*\***

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure: Transmission Line Cat 97-98 (Point on Static Wire)  
 Location: Hindman, KY  
 Latitude: 37-23-19.07N NAD 83  
 Longitude: 82-58-04.25W  
 Heights: 1084 feet site elevation (SE)  
 245 feet above ground level (AGL)  
 1329 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

As a condition to this Determination, the structure is marked/lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, dual medium catenary - Chapters 4,10(Catenary),&12.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

**See attachment for additional condition(s) or information.**

While the structure does not constitute a hazard to air navigation, it would be located within or near a military training area and/or route.

Any height exceeding 245 feet above ground level (1329 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 07/22/2014 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.
- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

If we can be of further assistance, please contact our office at (847) 294-7458. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2012-ASO-10518-OE.

**Signature Control No: 176290030-181532576**

( DNE )

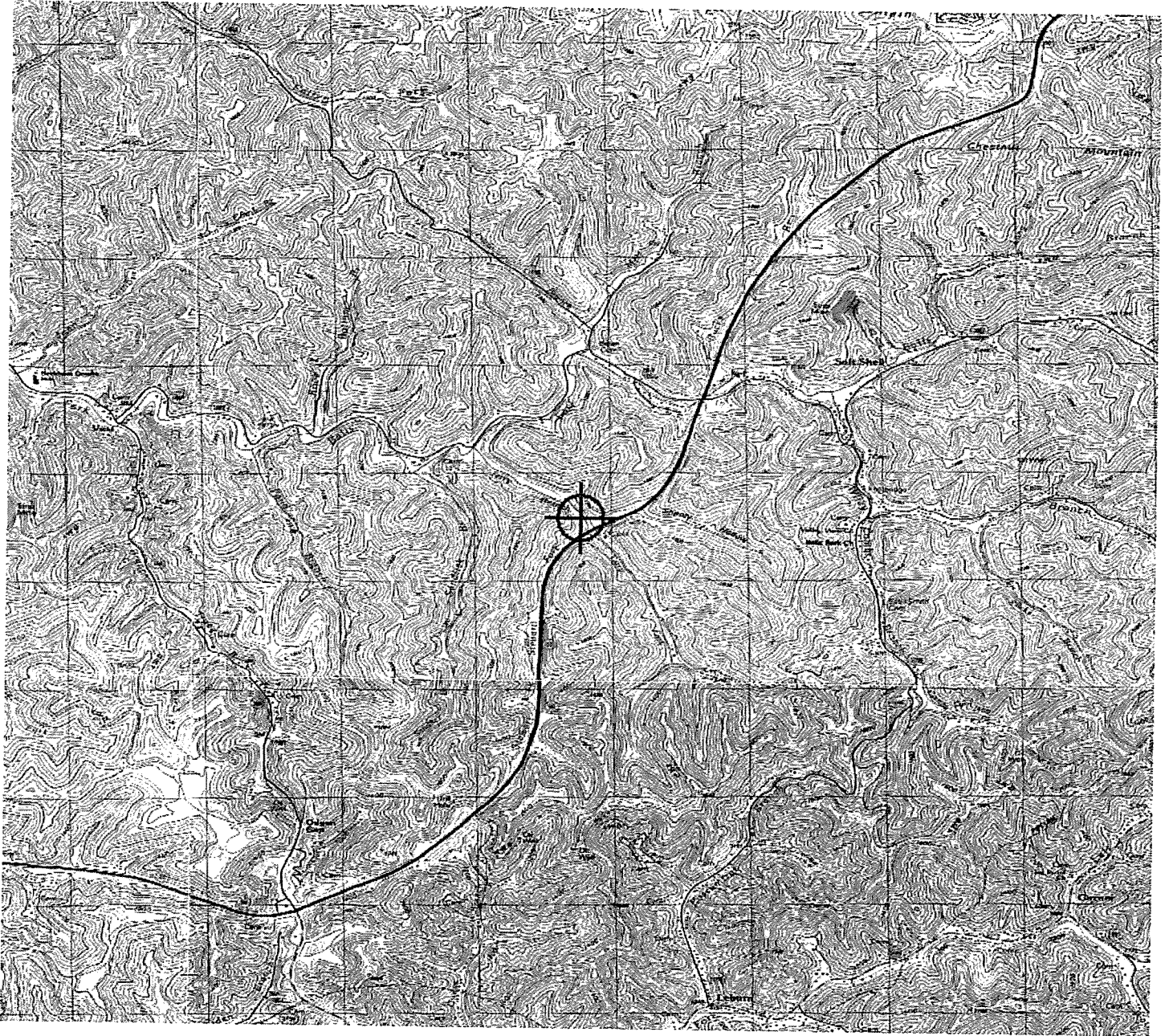
Fred Souchet  
Specialist

Attachment(s)  
Additional Information  
Map(s)

**Additional information for ASN 2012-ASO-10518-OE**

Based on this evaluation the request for Spherical Markers cannot be granted . Spherical Markers are required if the wire voltage is less than 69 KV. The wire voltage for the above transmission lines is 138kV. Therefore, IAW AC 70/7460-1 K Change 2 this structure is to be marked/lighted with dual medium catenary lighting - Chapters 4, 10 (Centenary) & 12.







Notice of Proposed Construction or Alteration - Off Airport

Project Name: POWER-000221073-12

Sponsor: Power Engineers for AEP

Details for Case : Cat 100-101 (Point on Static Wire)

Show Project Summary

Case Status

ASN: 2012-ASO-10519-OE  
Status: Determined

7460-2 (PART II) required within 5 days after the construction reaches its greatest height.

Add Supplemental Notice (7460-2)

Public Comments: None

Date Accepted: 11/02/2012

Date Determined: 01/22/2013

Letters: 01/22/2013 DNE

Documents: 11/01/2012 FAA\_100 to 101\_Ex...

Project Documents: None

Construction / Alteration Information

Notice Of: Construction  
Duration: Permanent  
*if Temporary :* Months: Days:

Work Schedule - Start: 04/15/2013

Work Schedule - End: 10/16/2014

*\*For temporary cranes-Does the permanent structure require separate notice to the FAA? To find out, use the Notice Criteria Tool. If separate notice is required, please ensure it is filed. If it is not filed, please state the reason in the Description of Proposal.*

State Filing:

Structure Summary

Structure Type: Transmission Line  
Structure Name: Cat 100-101 (Point on Static Wire)  
NOTAM Number:  
FCC Number:  
Prior ASN:

Structure Details

Latitude: 37° 23' 31.51" N  
Longitude: 82° 57' 38.45" W  
Horizontal Datum: NAD83  
Site Elevation (SE): 1257 (nearest foot)  
Structure Height (AGL): 365 (nearest foot)  
Current Height (AGL): (nearest foot)  
*\* For notice of alteration or existing provide the current AGL height of the existing structure. Include details in the Description of Proposal*  
Nacelle Height (AGL): (nearest foot)  
*\* For Wind Turbines 500ft AGL or greater*

Common Frequency Bands

Low Freq	High Freq	Freq Unit	ERP	ERP Unit
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Specific Frequencies

Requested Marking/Lighting: Spherical Markers

**Other :**

Recommended Marking/Lighting: Dual medium catenary

Current Marking/Lighting: N/A New Structure

**Other :**

Nearest City: Hindman

Nearest State: Kentucky

Description of Location: Mountainous terrain in eastern Kentucky  
*On the Project Summary page upload any certified survey.*

Description of Proposal: This filing is not for a structure, but is a point on a static wire where it is the highest AGL. (See attached exhibit) Bonnyman to Soft Shell 138kV K408.

Note: Point 'A' = The Highest Elevation Point On The Top Most Wire of The Section of Sag Over 200' AGL.

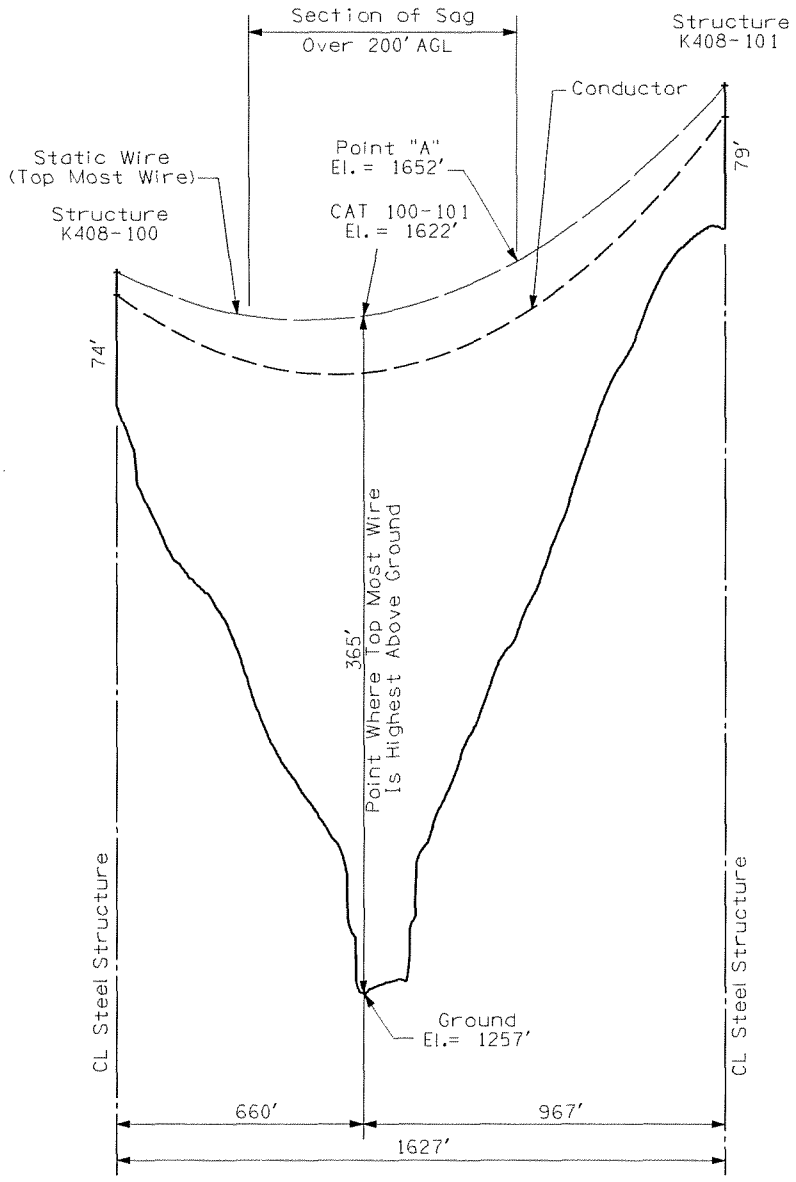


Exhibit 33

Scale:  
Horiz: 1" = 400'  
Vert: 1" = 80'



Mail Processing Center  
 Federal Aviation Administration  
 Southwest Regional Office  
 Obstruction Evaluation Group  
 2601 Meacham Boulevard  
 Fort Worth, TX 76137

Aeronautical Study No.  
 2012-ASO-10519-OE

Issued Date: 01/22/2013

Erica Cutler  
 Power Engineers for AEP  
 1041 521 Corporate Center Drive, Suite 105  
 Fort Mill, SC 29707

**\*\* DETERMINATION OF NO HAZARD TO AIR NAVIGATION \*\***

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Transmission Line Cat 100-101 (Point on Static Wire)
Location:	Hindman, KY
Latitude:	37-23-31.51N NAD 83
Longitude:	82-57-38.45W
Heights:	1257 feet site elevation (SE) 365 feet above ground level (AGL) 1622 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

As a condition to this Determination, the structure is marked/lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, dual medium catenary - Chapters 4,10(Catenary),&12.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

**See attachment for additional condition(s) or information.**

While the structure does not constitute a hazard to air navigation, it would be located within or near a military training area and/or route.

Any height exceeding 365 feet above ground level (1622 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 07/22/2014 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.
- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

If we can be of further assistance, please contact our office at (847) 294-7458. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2012-ASO-10519-OE.

**Signature Control No: 176290031-181532573**

( DNE )

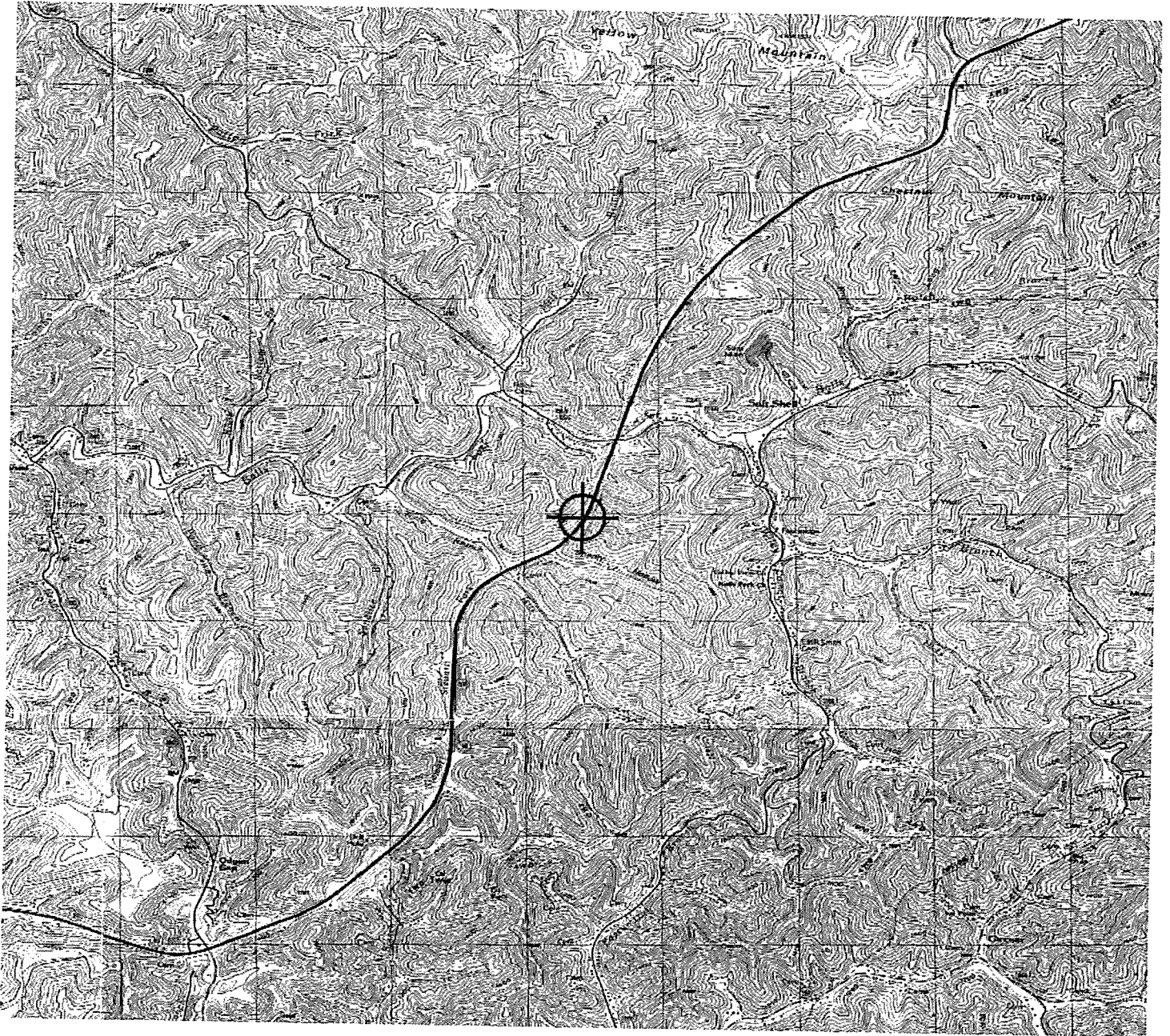
Fred Souchet  
Specialist

Attachment(s)  
Additional Information  
Map(s)

**Additional information for ASN 2012-ASO-10519-OE**

Based on this evaluation the request for Spherical Markers cannot be granted . Spherical Markers are required if the wire voltage is less than 69 KV. The wire voltage for the above transmission lines is 138kV. Therefore, IAW AC 70/7460-1 K Change 2 this structure is to be marked/lighted with dual medium catenary lighting - Chapters 4, 10 (Centenary) & 12.







## Notice of Proposed Construction or Alteration - Off Airport

Project Name: POWER-000221073-12

Sponsor: Power Engineers for AEP

### Details for Case : Cat 104-105 (Point on Static Wire)

Show Project Summary

#### Case Status

ASN: 2012-ASO-10520-OE  
Status: Determined

7460-2 (PART II) required within 5 days after the construction reaches its greatest height.

Add Supplemental Notice (7460-2)

Public Comments: None

Date Accepted: 11/02/2012

Date Determined: 01/22/2013

Letters: 01/22/2013 DNE

Documents: 11/01/2012 FAA\_104 to 105\_Ex...

Project Documents:  
None

#### Construction / Alteration Information

Notice Of: Construction  
Duration: Permanent  
**if Temporary :** Months: Days:  
Work Schedule - Start: 04/15/2013  
Work Schedule - End: 10/16/2014

*\*For temporary cranes-Does the permanent structure require separate notice to the FAA? To find out, use the Notice Criteria Tool. If separate notice is required, please ensure it is filed. If it is not filed, please state the reason in the Description of Proposal.*

State Filing:

#### Structure Details

Latitude: 37° 23' 56.06" N  
Longitude: 82° 56' 54.77" W  
Horizontal Datum: NAD83  
Site Elevation (SE): 1094 (nearest foot)  
Structure Height (AGL): 281 (nearest foot)  
Current Height (AGL): (nearest foot)  
*\* For notice of alteration or existing provide the current AGL height of the existing structure. Include details in the Description of Proposal*  
Nacelle Height (AGL): (nearest foot)  
*\* For Wind Turbines 500ft AGL or greater*

Requested Marking/Lighting: Spherical Markers

**Other :**

Recommended Marking/Lighting: Dual medium catenary

Current Marking/Lighting: N/A New Structure

**Other :**

Nearest City: Hindman

Nearest State: Kentucky

Description of Location: Mountainous terrain in eastern Kentucky  
*On the Project Summary page upload any certified survey.*

Description of Proposal: This filing is not for a structure, but is a point on a static wire where it is the highest AGL. (See attached exhibit) Bonnyman to Soft Shell 138kV K408.

#### Structure Summary

Structure Type: Transmission Line  
Structure Name: Cat 104-105 (Point on Static Wire)  
NOTAM Number:  
FCC Number:  
Prior ASN:

#### Common Frequency Bands

Low Freq	High Freq	Freq Unit	ERP	ERP Unit
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#### Specific Frequencies



Note: Point 'A' = The Highest Elevation Point  
On The Top Most Wire of The  
Section of Sag Over 200' AGL.

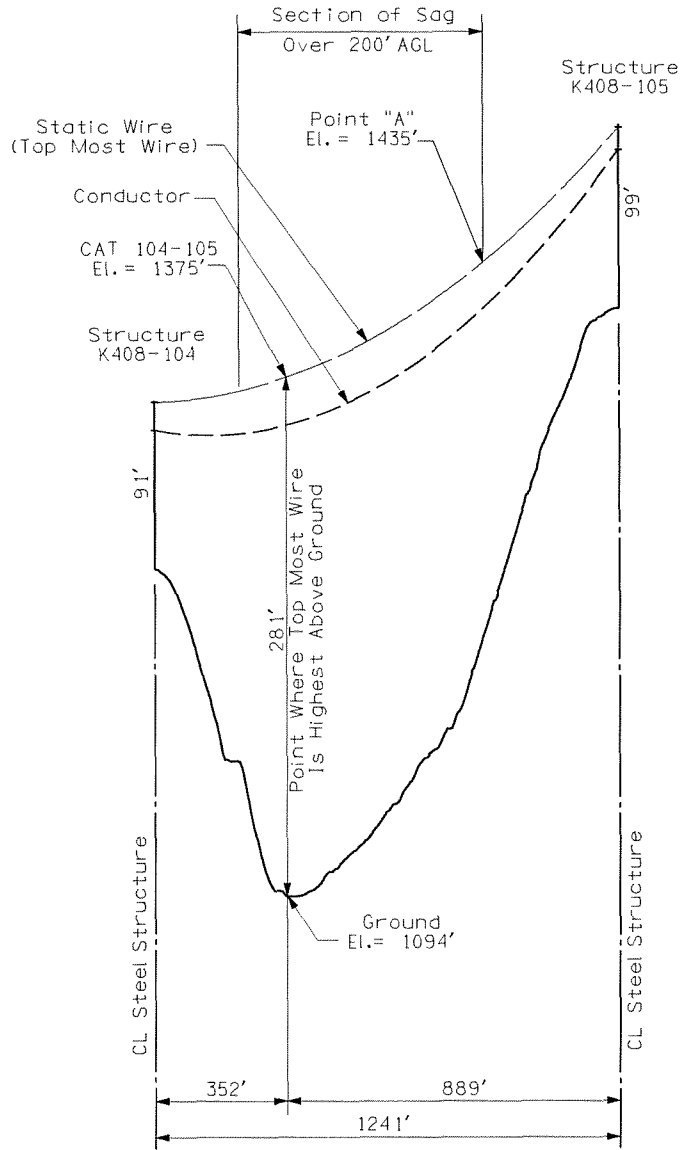


Exhibit 34

Scale:  
Horiz: 1" = 400'  
Vert: 1" = 80'



Mail Processing Center  
 Federal Aviation Administration  
 Southwest Regional Office  
 Obstruction Evaluation Group  
 2601 Meacham Boulevard  
 Fort Worth, TX 76137

Aeronautical Study No.  
 2012-ASO-10520-OE

Issued Date: 01/22/2013

Erica Cutler  
 Power Engineers for AEP  
 1041 521 Corporate Center Drive, Suite 105  
 Fort Mill, SC 29707

**\*\* DETERMINATION OF NO HAZARD TO AIR NAVIGATION \*\***

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Transmission Line Cat 104-105 (Point on Static Wire)
Location:	Hindman, KY
Latitude:	37-23-56.06N NAD 83
Longitude:	82-56-54.77W
Heights:	1094 feet site elevation (SE)
	281 feet above ground level (AGL)
	1375 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

As a condition to this Determination, the structure is marked/lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, dual medium catenary - Chapters 4,10(Catenary),&12.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

**See attachment for additional condition(s) or information.**

While the structure does not constitute a hazard to air navigation, it would be located within or near a military training area and/or route.

Any height exceeding 281 feet above ground level (1375 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 07/22/2014 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.
- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

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This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

If we can be of further assistance, please contact our office at (847) 294-7458. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2012-ASO-10520-OE.

**Signature Control No: 176290032-181532571**

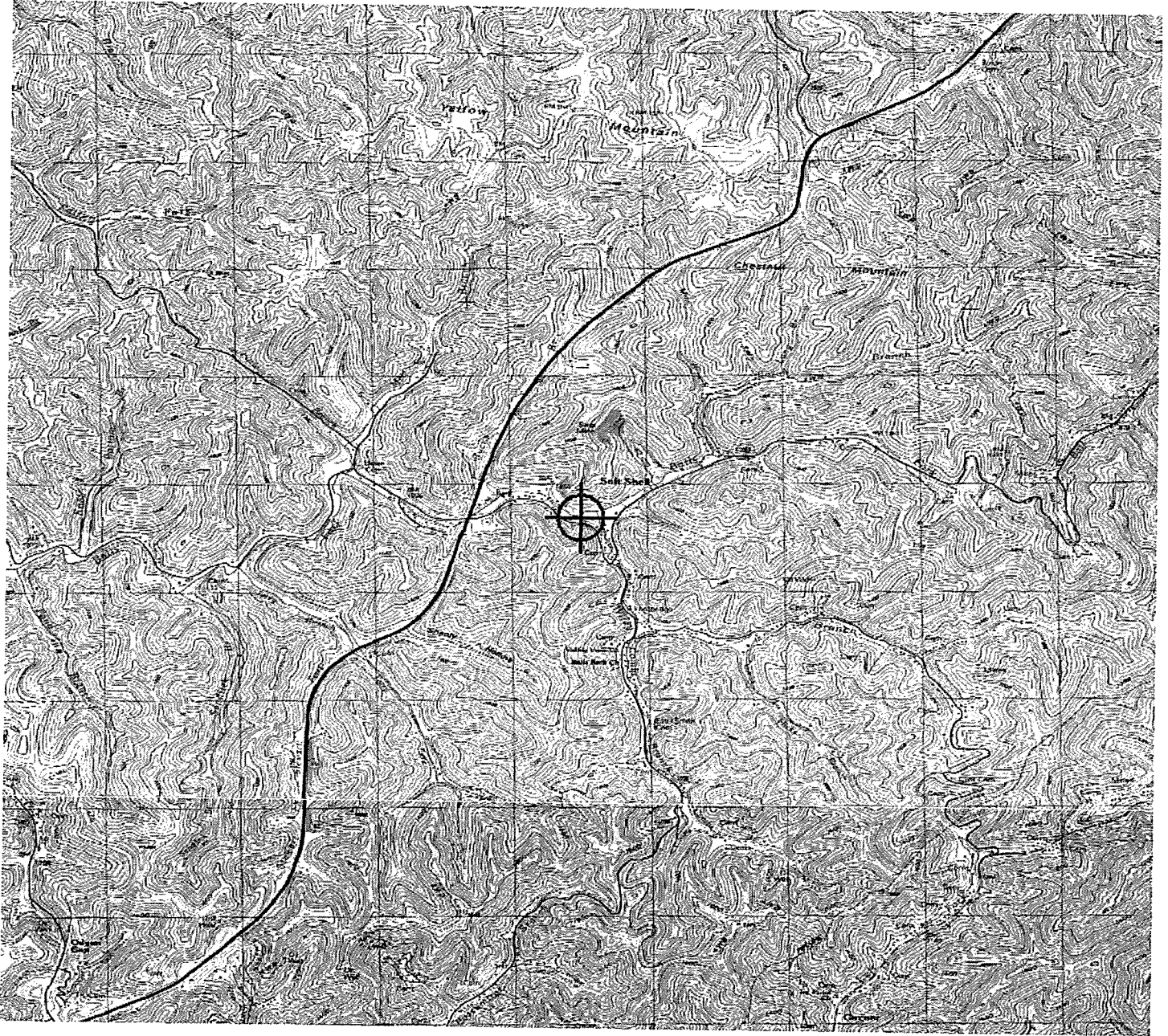
( DNE )

Fred Souchet  
Specialist

Attachment(s)  
Additional Information  
Map(s)

## **Additional information for ASN 2012-ASO-10520-OE**

Based on this evaluation the request for Spherical Markers cannot be granted . Spherical Markers are required if the wire voltage is less than 69 KV. The wire voltage for the above transmission lines is 138kV. Therefore, IAW AC 70/7460-1 K Change 2 this structure is to be marked/lighted with dual medium catenary lighting - Chapters 4, 10 (Centenary) & 12.





**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
[www.transportation.ky.gov/aviation](http://www.transportation.ky.gov/aviation)  
502 564-4480

June 27, 2013

APPROVAL OF APPLICATION

APPLICANT:  
AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

SUBJECT: AS-097-K20-2013-059

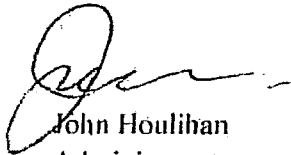
STRUCTURE: Power Line  
LOCATION: Hazard, KY  
COORDINATES: 37° 17' 59.92" N / 83° 13' 22.82" W  
HEIGHT: 338' AGL/1387' AMSL

The Kentucky Airport Zoning Commission has approved your application for a permit to construct 338' AGL/ 1387' AMSL Power Line near Hazard, KY 37° 17' 59.92" N / 83° 13' 22.82" W.

This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit.

A copy of the approved application is enclosed for your files.

Medium Dual Catenary Lighting is required in accordance with 602.KAR 50:100.

  
John Houlihan  
Administrator



An Equal Opportunity Employer M/F/D



**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
www.transportation.ky.gov/aviation  
502 564-4480

**CONSTRUCTION/ALTERATION STATUS REPORT**

June 27, 2013

AERONAUTICAL STUDY NUMBER: AS-097-K20-2013-059

AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

This concerns the permit which was issued to you by the Kentucky Airport Zoning Commission on June 27, 2013. This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within the said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit. When appropriate, please indicate the status of the project in the place below and return this letter to John Houlihan, Administrator, Kentucky Airport Zoning Commission, 90 Airport Road, Bldg 400, Frankfort, KY, 40601. 502 564-4480.

STRUCTURE: Power Line  
LOCATION: Hazard, KY  
COORDINATES: 37° 17' 59.92" N / 83° 13' 22.82" W  
HEIGHT: 338' AGL / 1387' AMSL

**CONSTRUCTION/ALTERATION STATUS**

1. The project ( ) is abandoned. ( ) is not abandoned.

2. Construction status is as follows:

Structure reached its greatest height of \_\_\_\_\_ ft. AGL  
\_\_\_\_\_ ft. AMSL on \_\_\_\_\_ (date).

Date construction was completed. \_\_\_\_\_

Type of obstruction marking/painting. \_\_\_\_\_

Type of obstruction lighting. \_\_\_\_\_

As built coordinates. \_\_\_\_\_

Miscellaneous Information. \_\_\_\_\_

DATE \_\_\_\_\_

SIGNATURE/TITLE \_\_\_\_\_



An Equal Opportunity Employer M/F/D



KENTUCKY AIRPORT ZONING COMMISSION

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

<b>APPLICANT (name)</b> American Electric Power: John Edwards		<b>PHONE</b> 540-562-7118	<b>FAX</b> 540-562-7050	<b>KY AERONAUTICAL STUDY #</b> AS-097-K20-2013-059	
<b>ADDRESS (street)</b> P.O Box 2021		<b>CITY</b> Roanoke		<b>STATE</b> VA	<b>ZIP</b> 24022-2121
<b>APPLICANT'S REPRESENTATIVE (name)</b> POWER Engineers: Erica Cutler		<b>PHONE</b> 281-765-5541	<b>FAX</b> 281-765-5599		
<b>ADDRESS (street)</b> 509 North Sam Houston Pkwy East		<b>CITY</b> Houston		<b>STATE</b> TX	<b>ZIP</b> 77060
<b>APPLICATION FOR</b> <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration <input type="checkbox"/> Existing				<b>WORK SCHEDULE</b>	
<b>DURATION</b> <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary (months days )				Start 4/15/2013 End 10/16/2014	
<b>TYPE</b> <input type="checkbox"/> Crane <input type="checkbox"/> Building <input type="checkbox"/> Antenna Tower <input checked="" type="checkbox"/> Power Line <input type="checkbox"/> Water Tank <input type="checkbox"/> Landfill <input type="checkbox"/> Other		<b>MARKING/PAINTING/LIGHTING PREFERRED</b> <input type="checkbox"/> Red Lights & Paint <input type="checkbox"/> White- medium Intensity <input type="checkbox"/> White- high intensity <input type="checkbox"/> Dual- red & medium intensity white <input type="checkbox"/> Dual- red & high intensity white <input checked="" type="checkbox"/> Other Painted Spherical Marker Balls			
<b>LATITUDE</b> 37°17'59.92N"		<b>LONGITUDE</b> 83°13'22.82W"		<b>DATUM</b> <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> Other	
<b>NEAREST KENTUCKY</b> City Hazard County Perry		<b>NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT</b> Wendell H. Ford Airport			
<b>SITE ELEVATION (AMSL, feet)</b> 1049		<b>TOTAL STRUCTURE HEIGHT (AGL, feet)</b> 338		<b>CURRENT (FAA aeronautical study #)</b> 2012-ASO-10492-OE	
<b>OVERALL HEIGHT (site elevation plus total structure height, feet)</b> 1387				<b>PREVIOUS (FAA aeronautical study #)</b> N/A	
<b>DISTANCE (from nearest Kentucky public use or Military airport to structure)</b> 5.7 miles from Cat. 7-8.				<b>PREVIOUS (KY aeronautical study #)</b> N/A	
<b>DIRECTION (from nearest Kentucky public use or Military airport to structure)</b> South to Cat. 7-8.					
<b>DESCRIPTION OF LOCATION (Attach USGS 7.5 minute quadrangle map or an airport layout drawing with the precise site marked and any certified survey.)</b> TOPO Map is located on Page 4 of each FAA Determination					
<b>DESCRIPTION OF PROPOSAL</b> This filing is not for a structure, but is a point on a static wire where it is the highest AGL. This is a proposal for the use of painted spherical marker balls on the static wire of a span in the Bonnyman - Softshell 138kV Circuit.					
<b>FAA Form 7460-1 (Has the "Notice of Construction or Alteration" been filed with the Federal Aviation Administration?)</b> <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, when? 11/2/2012					
<b>CERTIFICATION (I hereby certify that all the above entries, made by me, are true, complete, and correct to the best of my knowledge and belief.)</b>					
<b>PENALTIES (Persons failing to comply with KRS 183.861 to 183.990 and 602 KAR 050 are liable for fines and/or imprisonment as set forth in KRS 183.990(3). Noncompliance with FAA regulations may result in further penalties.)</b>					
<b>NAME</b> Erica Cutler	<b>TITLE</b> Design Engineer	<b>SIGNATURE</b> 		<b>DATE</b> 5/9/2013	
<b>COMMISSION ACTION</b> <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved					
<b>SIGNATURE</b> 		<b>DATE</b> 6-27-13			





**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
[www.transportation.ky.gov/aviation](http://www.transportation.ky.gov/aviation)  
502 564-4480

June 27, 2013

**APPROVAL OF APPLICATION**

**APPLICANT:**

American Electric Power  
American Electric Power  
PO Box 2021  
Roanoke, VA 24022

**SUBJECT:** AS-097-K20-2013-060

**STRUCTURE:** Power Line  
**LOCATION:** Hazard, KY  
**COORDINATES:** 37° 18' 13.70" N / 83° 12' 52.98" W  
**HEIGHT:** 208' AGL/1439' AMSL

The Kentucky Airport Zoning Commission has approved your application for a permit to construct 208' AGL/ 1439' AMSL Power Line near Hazard, KY 37° 18' 13.70" N / 83° 12' 52.98" W.

This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit.

A copy of the approved application is enclosed for your files.

Reflective Spherical Markers are required in accordance with 602 KAR 50:100.

A handwritten signature in black ink, appearing to read "John Houlihan".

John Houlihan  
Administrator



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**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
www.transportation.ky.gov/aviation  
502 564-4480

**CONSTRUCTION/ALTERATION STATUS REPORT**

June 27, 2013

AERONAUTICAL STUDY NUMBER: AS-097-K20-2013-060

American Electric Power  
American Electric Power  
PO Box 2021  
Roanoke, VA 24022

This concerns the permit which was issued to you by the Kentucky Airport Zoning Commission on June 27, 2013. This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within the said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit. When appropriate, please indicate the status of the project in the place below and return this letter to John Houlihan, Administrator, Kentucky Airport Zoning Commission, 90 Airport Road, Bldg 400, Frankfort, KY, 40601. 502 564-4480.

STRUCTURE: Power Line  
LOCATION: Hazard, KY  
COORDINATES: 37° 18' 13.70" N / 83° 12' 52.98" W  
HEIGHT: 208' AGL / 1439' AMSL

**CONSTRUCTION/ALTERATION STATUS**

1. The project ( ) is abandoned. ( ) is not abandoned.

2. Construction status is as follows:

Structure reached its greatest height of \_\_\_\_\_ ft. AGL  
\_\_\_\_\_ ft. AMSL on \_\_\_\_\_ (date).

Date construction was completed. \_\_\_\_\_

Type of obstruction marking/painting. \_\_\_\_\_

Type of obstruction lighting. \_\_\_\_\_

As built coordinates. \_\_\_\_\_

Miscellaneous Information. \_\_\_\_\_

DATE \_\_\_\_\_

SIGNATURE/TITLE \_\_\_\_\_





KENTUCKY AIRPORT ZONING COMMISSION

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

<b>APPLICANT (name)</b> American Electric Power: John Edwards		<b>PHONE</b> 540-562-7118	<b>FAX</b> 540-562-7050	<b>KY AERONAUTICAL STUDY #</b> AS-097-K20-2013-060	
<b>ADDRESS (street)</b> P.O Box 2021		<b>CITY</b> Roanoke		<b>STATE</b> VA	<b>ZIP</b> 24022-2121
<b>APPLICANT'S REPRESENTATIVE (name)</b> POWER Engineers: Erica Cutler		<b>PHONE</b> 281-765-5541	<b>FAX</b> 281-765-5599		
<b>ADDRESS (street)</b> 509 North Sam Houston Pkwy East		<b>CITY</b> Houston		<b>STATE</b> TX	<b>ZIP</b> 77060
<b>APPLICATION FOR</b> <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration <input type="checkbox"/> Existing				<b>WORK SCHEDULE</b>	
<b>DURATION</b> <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary (months days )				Start 4/15/2013 End 10/16/2014	
<b>TYPE</b> <input type="checkbox"/> Crane <input type="checkbox"/> Building <input type="checkbox"/> Antenna Tower <input checked="" type="checkbox"/> Power Line <input type="checkbox"/> Water Tank <input type="checkbox"/> Landfill <input type="checkbox"/> Other		<b>MARKING/PAINTING/LIGHTING PREFERRED</b> <input type="checkbox"/> Red Lights & Paint <input type="checkbox"/> White- medium intensity <input type="checkbox"/> White- high intensity <input type="checkbox"/> Dual- red & medium intensity white <input type="checkbox"/> Dual- red & high intensity white <input checked="" type="checkbox"/> Other Painted Spherical Marker Balls			
<b>LATITUDE</b> 37°18'13.70N"		<b>LONGITUDE</b> 83°12'52.98W"		<b>DATUM</b> <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> Other	
<b>NEAREST KENTUCKY</b> City Hazard County Perry		<b>NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT</b> Wendell H. Ford Airport			
<b>SITE ELEVATION (AMSL, feet)</b> 1231		<b>TOTAL STRUCTURE HEIGHT (AGL, feet)</b> 208		<b>CURRENT (FAA aeronautical study #)</b> 2012-ASO-10521-OE	
<b>OVERALL HEIGHT (site elevation plus total structure height, feet)</b> 1439		<b>PREVIOUS (FAA aeronautical study #)</b> N/A			
<b>DISTANCE (from nearest Kentucky public use or Military airport to structure)</b> 5.6 miles from Cat. 10-11.		<b>PREVIOUS (KY aeronautical study #)</b> N/A			
<b>DIRECTION (from nearest Kentucky public use or Military airport to structure)</b> South to Cat. 10-11.					
<b>DESCRIPTION OF LOCATION (Attach USGS 7.5 minute quadrangle map or an airport layout drawing with the precise site marked and any certified survey.)</b> TOPO Map is located on Page 4 of each FAA Determination					
<b>DESCRIPTION OF PROPOSAL</b> This filing is not for a structure, but is a point on a static wire where it is the highest AGL. This is a proposal for the use of painted spherical marker balls on the static wire of a span in the Bonnyman - Softshell 138kV Circuit.					
<b>FAA Form 7460-1 (Has the "Notice of Construction or Alteration" been filed with the Federal Aviation Administration?)</b> <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, when? 11/2/2012					
<b>CERTIFICATION (I hereby certify that all the above entries, made by me, are true, complete, and correct to the best of my knowledge and belief.)</b>					
<b>PENALTIES (Persons failing to comply with KRS 183.861 to 183.990 and 602 KAR 050 are liable for fines and/or imprisonment as set forth in KRS 183.990(3). Noncompliance with FAA regulations may result in further penalties.)</b>					
<b>NAME</b> Erica Cutler	<b>TITLE</b> Design Engineer	<b>SIGNATURE</b> 		<b>DATE</b> 5/9/2013	
<b>COMMISSION ACTION</b>		<input type="checkbox"/> Chairperson, KAZC <input checked="" type="checkbox"/> Administrator, KAZC			
<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved		<b>SIGNATURE</b> 		<b>DATE</b> 6-27-13	



**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
[www.transportation.ky.gov/aviation](http://www.transportation.ky.gov/aviation)  
502 564-4480

June 27, 2013

**APPROVAL OF APPLICATION**

**APPLICANT:**  
AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

**SUBJECT:** AS-097-K20-2013-061

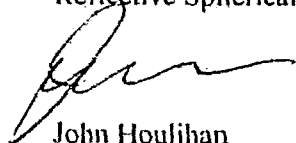
**STRUCTURE:** Power Line  
**LOCATION:** Hazard, KY  
**COORDINATES:** 37° 18' 18.60" N / 83° 12' 31.25" W  
**HEIGHT:** 259' AGL/1325' AMSL

The Kentucky Airport Zoning Commission has approved your application for a permit to construct 259' AGL/ 1325' AMSL Power Line near Hazard, KY 37° 18' 18.60" N / 83° 12' 31.25" W.

This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit.

A copy of the approved application is enclosed for your files.

Reflective Spherical Markers are required in accordance with 602 KAR 50:100.



John Houlihan  
Administrator



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**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
www.transportation.ky.gov/aviation  
502 564-4480

**CONSTRUCTION/ALTERATION STATUS REPORT**

June 27, 2013

AERONAUTICAL STUDY NUMBER: AS-097-K20-2013-061

AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

This concerns the permit which was issued to you by the Kentucky Airport Zoning Commission on June 27, 2013. This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within the said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit. When appropriate, please indicate the status of the project in the place below and return this letter to John Houlihan, Administrator, Kentucky Airport Zoning Commission, 90 Airport Road, Bldg 400, Frankfort, KY, 40601. 502 564-4480.

STRUCTURE: Power Line  
LOCATION: Hazard, KY  
COORDINATES: 37° 18' 18.60" N / 83° 12' 31.25" W  
HEIGHT: 259' AGL /1325' AMSL

**CONSTRUCTION/ALTERATION STATUS**

1. The project ( ) is abandoned. ( ) is not abandoned.

2. Construction status is as follows:

Structure reached its greatest height of \_\_\_\_\_ ft. AGL  
\_\_\_\_\_ ft. AMSL on \_\_\_\_\_ (date).

Date construction was completed. \_\_\_\_\_

Type of obstruction marking/painting. \_\_\_\_\_

Type of obstruction lighting. \_\_\_\_\_

As built coordinates. \_\_\_\_\_

Miscellaneous Information. \_\_\_\_\_

DATE \_\_\_\_\_

SIGNATURE/TITLE \_\_\_\_\_



An Equal Opportunity Employer M/F/D



KENTUCKY AIRPORT ZONING COMMISSION

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

<b>APPLICANT (name)</b> American Electric Power: John Edwards		<b>PHONE</b> 540-562-7118	<b>FAX</b> 540-562-7050	<b>KY AERONAUTICAL STUDY #</b> AS-097-K20-2013-061	
<b>ADDRESS (street)</b> P.O Box 2021		<b>CITY</b> Roanoke		<b>STATE</b> VA	<b>ZIP</b> 24022-2121
<b>APPLICANT'S REPRESENTATIVE (name)</b> POWER Engineers: Erica Cutler		<b>PHONE</b> 281-765-5541	<b>FAX</b> 281-765-5599		
<b>ADDRESS (street)</b> 509 North Sam Houston Pkwy East		<b>CITY</b> Houston		<b>STATE</b> TX	<b>ZIP</b> 77060
<b>APPLICATION FOR</b> <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration <input type="checkbox"/> Existing <b>DURATION</b> <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary (months days )				<b>WORK SCHEDULE</b> Start 4/15/2013 End 10/16/2014	
<b>TYPE</b> <input type="checkbox"/> Crane <input type="checkbox"/> Building <input type="checkbox"/> Antenna Tower <input checked="" type="checkbox"/> Power Line <input type="checkbox"/> Water Tank <input type="checkbox"/> Landfill <input type="checkbox"/> Other		<b>MARKING/PAINTING/LIGHTING PREFERRED</b> <input type="checkbox"/> Red Lights & Paint <input type="checkbox"/> White- medium intensity <input type="checkbox"/> White- high intensity <input type="checkbox"/> Dual- red & medium intensity white <input type="checkbox"/> Dual- red & high intensity white <input checked="" type="checkbox"/> Other Painted Spherical Marker Balls			
<b>LATITUDE</b> 37°18'18.60N"		<b>LONGITUDE</b> 83°12'31.25W"		<b>DATUM</b> <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> Other	
<b>NEAREST KENTUCKY</b> City Hazard County Perry		<b>NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT</b> Wendell H. Ford Airport			
<b>SITE ELEVATION (AMSL, feet)</b> 1066		<b>TOTAL STRUCTURE HEIGHT (AGL, feet)</b> 259		<b>CURRENT (FAA aeronautical study #)</b> 2012-ASO-10491-OE	
<b>OVERALL HEIGHT (site elevation plus total structure height, feet)</b> 1325				<b>PREVIOUS (FAA aeronautical study #)</b> N/A	
<b>DISTANCE (from nearest Kentucky public use or Military airport to structure)</b> 5.6 miles from Cat. 12-13.				<b>PREVIOUS (KY aeronautical study #)</b> N/A	
<b>DIRECTION (from nearest Kentucky public use or Military airport to structure)</b> South to Cat. 12-13.					
<b>DESCRIPTION OF LOCATION (Attach USGS 7.5 minute quadrangle map or an airport layout drawing with the precise site marked and any certified survey.)</b> TOPO Map is located on Page 4 of each FAA Determination					
<b>DESCRIPTION OF PROPOSAL</b> This filing is not for a structure, but is a point on a static wire where it is the highest AGL. This is a proposal for the use of painted spherical marker balls on the static wire of a span in the Bonnyman - Softshell 138kV Circuit.					
<b>FAA Form 7460-1 (Has the "Notice of Construction or Alteration" been filed with the Federal Aviation Administration?)</b> <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, when? 11/2/2012					
<b>CERTIFICATION (I hereby certify that all the above entries, made by me, are true, complete, and correct to the best of my knowledge and belief.)</b>					
<b>PENALTIES (Persons failing to comply with KRS 183.861 to 183.990 and 602 KAR 050 are liable for fines and/or imprisonment as set forth in KRS 183.990(3). Noncompliance with FAA regulations may result in further penalties.)</b>					
<b>NAME</b> Erica Cutler	<b>TITLE</b> Design Engineer	<b>SIGNATURE</b> 		<b>DATE</b> 5/9/2013	
<b>COMMISSION ACTION</b> <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved					
<b>SIGNATURE</b> 				<b>DATE</b> 6-27-13	
<input checked="" type="checkbox"/> Chairperson, KAZC <input checked="" type="checkbox"/> Administrator, KAZC					



**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
[www.transportation.ky.gov/aviation](http://www.transportation.ky.gov/aviation)  
502 564-4480

June 27, 2013

APPROVAL OF APPLICATION

APPLICANT:  
AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

SUBJECT: AS-097-K20-2013-062

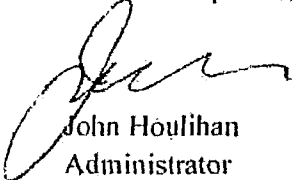
STRUCTURE: Power Line  
LOCATION: Hazard, KY  
COORDINATES: 37° 18' 25.97" N / 83° 12' 8.03" W  
HEIGHT: 213' AGL/1542'AMSL

The Kentucky Airport Zoning Commission has approved your application for a permit to construct 213' AGL/ 1542'AMSL Power Line near Hazard, KY 37° 18' 25.97" N / 83° 12' 8.03" W.

This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit.

A copy of the approved application is enclosed for your files.

Reflective Spherical Markers are required in accordance with 602 KAR 50:100.



John Houlihan  
Administrator



An Equal Opportunity Employer M/F/D



**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
www.transportation.ky.gov/aviation  
502 564-4480

**CONSTRUCTION/ALTERATION STATUS REPORT**

June 27, 2013

AERONAUTICAL STUDY NUMBER: AS-097-K20-2013-062

AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

This concerns the permit which was issued to you by the Kentucky Airport Zoning Commission on June 27, 2013. This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within the said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit. When appropriate, please indicate the status of the project in the place below and return this letter to John Houlihan, Administrator, Kentucky Airport Zoning Commission, 90 Airport Road, Bldg 400, Frankfort, KY, 40601. 502 564-4480.

STRUCTURE: Power Line  
LOCATION: Hazard, KY  
COORDINATES: 37° 18' 25.97" N / 83° 12' 8.03" W  
HEIGHT: 213' AGL / 1542' AMSL

**CONSTRUCTION/ALTERATION STATUS**

1. The project ( ) is abandoned. ( ) is not abandoned.

2. Construction status is as follows:

Structure reached its greatest height of \_\_\_\_\_ ft. AGL  
\_\_\_\_\_ ft. AMSL on \_\_\_\_\_ (date).

Date construction was completed. \_\_\_\_\_

Type of obstruction marking/painting. \_\_\_\_\_

Type of obstruction lighting. \_\_\_\_\_

As built coordinates. \_\_\_\_\_

Miscellaneous Information. \_\_\_\_\_

DATE \_\_\_\_\_

SIGNATURE/TITLE \_\_\_\_\_



An Equal Opportunity Employer M/F/D





KENTUCKY AIRPORT ZONING COMMISSION

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

<b>APPLICANT (name)</b> American Electric Power: John Edwards		<b>PHONE</b> 540-562-7118	<b>FAX</b> 540-562-7050	<b>KY AERONAUTICAL STUDY #</b> AS-097-K20-2013-062	
<b>ADDRESS (street)</b> P.O Box 2021		<b>CITY</b> Roanoke		<b>STATE</b> VA	<b>ZIP</b> 24022-2121
<b>APPLICANT'S REPRESENTATIVE (name)</b> POWER Engineers: Erica Cutler		<b>PHONE</b> 281-765-5541	<b>FAX</b> 281-765-5599		
<b>ADDRESS (street)</b> 509 North Sam Houston Pkwy East		<b>CITY</b> Houston		<b>STATE</b> TX	<b>ZIP</b> 77060
<b>APPLICATION FOR</b> <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration <input type="checkbox"/> Existing				<b>WORK SCHEDULE</b>	
<b>DURATION</b> <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary (months days )				Start 4/15/2013 End 10/16/2014	
<b>TYPE</b> <input type="checkbox"/> Crane <input type="checkbox"/> Building <input type="checkbox"/> Antenna Tower		<b>MARKING/PAINTING/LIGHTING PREFERRED</b>			
<input checked="" type="checkbox"/> Power Line <input type="checkbox"/> Water Tank		<input type="checkbox"/> Red Lights & Paint <input type="checkbox"/> White- medium intensity <input type="checkbox"/> White- high intensity			
<input type="checkbox"/> Landfill <input type="checkbox"/> Other		<input type="checkbox"/> Dual- red & medium intensity white <input type="checkbox"/> Dual- red & high intensity white			
		<input checked="" type="checkbox"/> Other Painted Spherical Marker Balls			
<b>LATITUDE</b> 37°18'25.97N"		<b>LONGITUDE</b> 83°12'08.03W"		<b>DATUM</b> <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> Other	
<b>NEAREST KENTUCKY</b> City Hazard County Perry		<b>NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT</b> Wendell H. Ford Airport			
<b>SITE ELEVATION (AMSL, feet)</b> 1329		<b>TOTAL STRUCTURE HEIGHT (AGL, feet)</b> 213		<b>CURRENT (FAA aeronautical study #)</b> 2012-ASO-10522-OE	
<b>OVERALL HEIGHT (site elevation plus total structure height, feet)</b> 1542				<b>PREVIOUS (FAA aeronautical study #)</b> N/A	
<b>DISTANCE (from nearest Kentucky public use or Military airport to structure)</b> 5.7 miles from Cat. 14-15.				<b>PREVIOUS (KY aeronautical study #)</b> N/A	
<b>DIRECTION (from nearest Kentucky public use or Military airport to structure)</b> South to Cat. 14-15.					
<b>DESCRIPTION OF LOCATION (Attach USGS 7.5 minute quadrangle map or an airport layout drawing with the precise site marked and any certified survey.)</b> TOPO Map is located on Page 4 of each FAA Determination					
<b>DESCRIPTION OF PROPOSAL</b> This filing is not for a structure, but is a point on a static wire where it is the highest AGL. This is a proposal for the use of painted spherical marker balls on the static wire of a span in the Bonnyman - Softshell 138kV Circuit.					
<b>FAA Form 7460-1 (Has the "Notice of Construction or Alteration" been filed with the Federal Aviation Administration?)</b> <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, when? 11/2/2012					
<b>CERTIFICATION (I hereby certify that all the above entries, made by me, are true, complete, and correct to the best of my knowledge and belief.)</b>					
<b>PENALTIES (Persons failing to comply with KRS 183.861 to 183.990 and 602 KAR 050 are liable for fines and/or imprisonment as set forth in KRS 183.990(3). Noncompliance with FAA regulations may result in further penalties.)</b>					
<b>NAME</b> Erica Cutler	<b>TITLE</b> Design Engineer	<b>SIGNATURE</b> 		<b>DATE</b> 5/9/2013	
<b>COMMISSION ACTION</b>		<input type="checkbox"/> Chairperson, KAZC <input checked="" type="checkbox"/> Administrator, KAZC			
<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved		<b>SIGNATURE</b> 		<b>DATE</b> 6-27-13	



**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
[www.transportation.ky.gov/aviation](http://www.transportation.ky.gov/aviation)  
502 564-4480

June 27, 2013

**APPROVAL OF APPLICATION**

**APPLICANT:**  
AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

**SUBJECT:** AS-097-K20-2013-063

**STRUCTURE:** Power Line  
**LOCATION:** Hazard, KY  
**COORDINATES:** 37° 18' 27.07" N / 83° 11' 49.47" W  
**HEIGHT:** 370' AGL/1642' AMSL

The Kentucky Airport Zoning Commission has approved your application for a permit to construct 370' AGL/ 1642' AMSL Power Line near Hazard, KY 37° 18' 27.07" N / 83° 11' 49.47" W.

This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit.

A copy of the approved application is enclosed for your files.

Medium Dual Catenary Lighting is required in accordance with 602 KAR 50:100.

A handwritten signature in black ink, appearing to read "John Houlihan".

John Houlihan  
Administrator



An Equal Opportunity Employer M/F/D



**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
www.transportation.ky.gov/aviation  
502 564-4480

**CONSTRUCTION/ALTERATION STATUS REPORT**

June 27, 2013

AERONAUTICAL STUDY NUMBER: AS-097-K20-2013-063

AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

This concerns the permit which was issued to you by the Kentucky Airport Zoning Commission on June 27, 2013. This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within the said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit. When appropriate, please indicate the status of the project in the place below and return this letter to John Houlihan, Administrator, Kentucky Airport Zoning Commission, 90 Airport Road, Bldg 400, Frankfort, KY, 40601, 502 564-4480.

STRUCTURE: Power Line  
LOCATION: Hazard, KY  
COORDINATES: 37° 18' 27.07" N / 83° 11' 49.47" W  
HEIGHT: 370' AGL / 1642' AMSL

**CONSTRUCTION/ALTERATION STATUS**

- The project ( ) is abandoned. ( ) is not abandoned.
- Construction status is as follows:  
 Structure reached its greatest height of \_\_\_\_\_ ft. AGL  
 \_\_\_\_\_ ft. AMSL on \_\_\_\_\_ (date).  
 Date construction was completed. \_\_\_\_\_  
 Type of obstruction marking/painting. \_\_\_\_\_  
 Type of obstruction lighting. \_\_\_\_\_  
 As built coordinates. \_\_\_\_\_  
 Miscellaneous Information. \_\_\_\_\_  
 DATE \_\_\_\_\_  
 SIGNATURE/TITLE \_\_\_\_\_



An Equal Opportunity Employer M/F/D



KENTUCKY AIRPORT ZONING COMMISSION

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

<b>APPLICANT (name)</b> American Electric Power: John Edwards		<b>PHONE</b> 540-562-7118	<b>FAX</b> 540-562-7050	<b>KY AERONAUTICAL STUDY #</b> AS-097-K20-2013-063	
<b>ADDRESS (street)</b> P.O Box 2021		<b>CITY</b> Roanoke		<b>STATE</b> VA	<b>ZIP</b> 24022-2121
<b>APPLICANT'S REPRESENTATIVE (name)</b> POWER Engineers: Erica Cutler		<b>PHONE</b> 281-765-5541	<b>FAX</b> 281-765-5599		
<b>ADDRESS (street)</b> 509 North Sam Houston Pkwy East		<b>CITY</b> Houston		<b>STATE</b> TX	<b>ZIP</b> 77060
<b>APPLICATION FOR</b> <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration <input type="checkbox"/> Existing <b>DURATION</b> <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary (months days )				<b>WORK SCHEDULE</b> Start 4/15/2013 End 10/16/2014	
<b>TYPE</b> <input type="checkbox"/> Crane <input type="checkbox"/> Building <input type="checkbox"/> Antenna Tower <input checked="" type="checkbox"/> Power Line <input type="checkbox"/> Water Tank <input type="checkbox"/> Landfill <input type="checkbox"/> Other		<b>MARKING/PAINTING/LIGHTING PREFERRED</b> <input type="checkbox"/> Red Lights & Paint <input type="checkbox"/> White- medium intensity <input type="checkbox"/> White- high intensity <input type="checkbox"/> Dual- red & medium intensity white <input type="checkbox"/> Dual- red & high intensity white <input checked="" type="checkbox"/> Other Painted Spherical Marker Balls			
<b>LATITUDE</b> 37°18'27.07N"		<b>LONGITUDE</b> 83°11'49.47W"		<b>DATUM</b> <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> Other	
<b>NEAREST KENTUCKY</b> City Hazard County Perry		<b>NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT</b> Wendell H. Ford Airport			
<b>SITE ELEVATION (AMSL, feet)</b> 1272		<b>TOTAL STRUCTURE HEIGHT (AGL, feet)</b> 370		<b>CURRENT (FAA aeronautical study #)</b> 2012-ASO-10523-OE	
<b>OVERALL HEIGHT (site elevation plus total structure height, feet)</b> 1642				<b>PREVIOUS (FAA aeronautical study #)</b> N/A	
<b>DISTANCE (from nearest Kentucky public use or Military airport to structure)</b> 5.7 miles from Cat. 16-17.				<b>PREVIOUS (KY aeronautical study #)</b> N/A	
<b>DIRECTION (from nearest Kentucky public use or Military airport to structure)</b> Southeast to Cat. 16-17.					
<b>DESCRIPTION OF LOCATION (Attach USGS 7.5 minute quadrangle map or an airport layout drawing with the precise site marked and any certified survey.)</b> TOPO Map is located on Page 4 of each FAA Determination					
<b>DESCRIPTION OF PROPOSAL</b> This filing is not for a structure, but is a point on a static wire where it is the highest AGL. This is a proposal for the use of painted spherical marker balls on the static wire of a span in the Bonnyman - Softshell 138kV Circuit.					
<b>FAA Form 7460-1 (Has the "Notice of Construction or Alteration" been filed with the Federal Aviation Administration?)</b> <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, when? 11/2/2012					
<b>CERTIFICATION (I hereby certify that all the above entries, made by me, are true, complete, and correct to the best of my knowledge and belief.)</b>					
<b>PENALTIES (Persons failing to comply with KRS 183.861 to 183.990 and 602 KAR 050 are liable for fines and/or imprisonment as set forth in KRS 183.990(3). Noncompliance with FAA regulations may result in further penalties.)</b>					
<b>NAME</b> Erica Cutler	<b>TITLE</b> Design Engineer	<b>SIGNATURE</b> 		<b>DATE</b> 5/9/2013	
<b>COMMISSION ACTION</b> <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved					
<b>SIGNATURE</b> 				<b>DATE</b> 6-27-13	
<input checked="" type="checkbox"/> Chairperson, KAZC <input checked="" type="checkbox"/> Administrator, KAZC					



## KENTUCKY AIRPORT ZONING COMMISSION

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
[www.transportation.ky.gov/aviation](http://www.transportation.ky.gov/aviation)  
502 564-4480

June 27, 2013

### APPROVAL OF APPLICATION

APPLICANT:  
AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

SUBJECT: AS-097-K20-2013-064

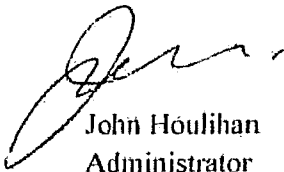
STRUCTURE: Power Line  
LOCATION: Hazard, KY  
COORDINATES: 37° 18' 23.10" N / 83° 11' 26.47" W  
HEIGHT: 355' AGL/1419' AMSL

The Kentucky Airport Zoning Commission has approved your application for a permit to construct 355' AGL/ 1419' AMSL Power Line near Hazard, KY 37° 18' 23.10" N / 83° 11' 26.47" W.

This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit.

A copy of the approved application is enclosed for your files.

Medium Dual Catenary Lighting is required in accordance with 602 KAR 50:100.



John Houlihan  
Administrator



An Equal Opportunity Employer M/F/D



**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
www.transportation.ky.gov/aviation  
502 564-4480

**CONSTRUCTION/ALTERATION STATUS REPORT**

June 27, 2013

AERONAUTICAL STUDY NUMBER: AS-097-K20-2013-064

AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

This concerns the permit which was issued to you by the Kentucky Airport Zoning Commission on June 27, 2013. This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within the said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit. When appropriate, please indicate the status of the project in the place below and return this letter to John Houlihan, Administrator, Kentucky Airport Zoning Commission, 90 Airport Road, Bldg 400, Frankfort, KY, 40601. 502 564-4480.

STRUCTURE: Power Line  
LOCATION: Hazard, KY  
COORDINATES: 37° 18' 23.10" N / 83° 11' 26.47" W  
HEIGHT: 355' AGL /1419'AMSL

**CONSTRUCTION/ALTERATION STATUS**

1. The project ( ) is abandoned. ( ) is not abandoned.

2. Construction status is as follows:

Structure reached its greatest height of \_\_\_\_\_ ft. AGL  
\_\_\_\_\_ ft. AMSL on \_\_\_\_\_ (date).

Date construction was completed. \_\_\_\_\_

Type of obstruction marking/painting. \_\_\_\_\_

Type of obstruction lighting. \_\_\_\_\_

As built coordinates. \_\_\_\_\_

Miscellaneous Information. \_\_\_\_\_

DATE \_\_\_\_\_

SIGNATURE/TITLE \_\_\_\_\_



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KENTUCKY TRANSPORTATION CABINET

TC 56-50  
Rev. 07/2010  
Page 2 of 2

KENTUCKY AIRPORT ZONING COMMISSION

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

<b>APPLICANT (name)</b> American Electric Power: John Edwards		<b>PHONE</b> 540-562-7118	<b>FAX</b> 540-562-7050	<b>KY AERONAUTICAL STUDY #</b> AS-097-K20-2013-064	
<b>ADDRESS (street)</b> P.O Box 2021		<b>CITY</b> Roanoke		<b>STATE</b> VA	<b>ZIP</b> 24022-2121
<b>APPLICANT'S REPRESENTATIVE (name)</b> POWER Engineers: Erica Cutler		<b>PHONE</b> 281-765-5541	<b>FAX</b> 281-765-5599		
<b>ADDRESS (street)</b> 509 North Sam Houston Pkwy East		<b>CITY</b> Houston		<b>STATE</b> TX	<b>ZIP</b> 77060
<b>APPLICATION FOR</b> <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration <input type="checkbox"/> Existing				<b>WORK SCHEDULE</b>	
<b>DURATION</b> <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary (months days )				Start 4/15/2013 End 10/16/2014	
<b>TYPE</b> <input type="checkbox"/> Crane <input type="checkbox"/> Building <input type="checkbox"/> Antenna Tower <input checked="" type="checkbox"/> Power Line <input type="checkbox"/> Water Tank <input type="checkbox"/> Landfill <input type="checkbox"/> Other		<b>MARKING/PAINTING/LIGHTING PREFERRED</b> <input type="checkbox"/> Red Lights & Paint <input type="checkbox"/> White- medium intensity <input type="checkbox"/> White- high intensity <input type="checkbox"/> Dual- red & medium intensity white <input type="checkbox"/> Dual- red & high intensity white <input checked="" type="checkbox"/> Other Painted Spherical Marker Balls			
<b>LATITUDE</b> 37°18'23.10N"		<b>LONGITUDE</b> 83°11'26.47W"		<b>DATUM</b> <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> Other	
<b>NEAREST KENTUCKY</b> City Hazard County Perry		<b>NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT</b> Wendell H. Ford Airport			
<b>SITE ELEVATION (AMSL, feet)</b> 1064		<b>TOTAL STRUCTURE HEIGHT (AGL, feet)</b> 355		<b>CURRENT (FAA aeronautical study #)</b> 2012-ASO-10493-OE	
<b>OVERALL HEIGHT (site elevation plus total structure height, feet)</b> 1419				<b>PREVIOUS (FAA aeronautical study #)</b> N/A	
<b>DISTANCE (from nearest Kentucky public use or Military airport to structure)</b> 5.9 miles from Cat. 17-18.				<b>PREVIOUS (KY aeronautical study #)</b> N/A	
<b>DIRECTION (from nearest Kentucky public use or Military airport to structure)</b> Southeast to Cat. 17-18.					
<b>DESCRIPTION OF LOCATION (Attach USGS 7.5 minute quadrangle map or an airport layout drawing with the precise site marked and any certified survey.)</b> TOPO Map is located on Page 4 of each FAA Determination					
<b>DESCRIPTION OF PROPOSAL</b> This filing is not for a structure, but is a point on a static wire where it is the highest AGL. This is a proposal for the use of painted spherical marker balls on the static wire of a span in the Bonnyman - Softshell 138kV Circuit.					
<b>FAA Form 7460-1 (Has the "Notice of Construction or Alteration" been filed with the Federal Aviation Administration?)</b> <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, when? 11/2/2012					
<b>CERTIFICATION (I hereby certify that all the above entries, made by me, are true, complete, and correct to the best of my knowledge and belief.)</b>					
<b>PENALTIES (Persons failing to comply with KRS 183.861 to 183.990 and 602 KAR 050 are liable for fines and/or imprisonment as set forth in KRS 183.990(3). Noncompliance with FAA regulations may result in further penalties.)</b>					
<b>NAME</b> Erica Cutler	<b>TITLE</b> Design Engineer	<b>SIGNATURE</b> 		<b>DATE</b> 5/9/2013	
<b>COMMISSION ACTION</b> <input type="checkbox"/> Chairperson, KAZC <input checked="" type="checkbox"/> Administrator, KAZC					
<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved		<b>SIGNATURE</b> 		<b>DATE</b> 6-27-13	



## KENTUCKY AIRPORT ZONING COMMISSION

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
[www.transportation.ky.gov/aviation](http://www.transportation.ky.gov/aviation)  
502 564-4480

June 27, 2013

### APPROVAL OF APPLICATION

APPLICANT:  
AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

SUBJECT: AS-097-K20-2013-065

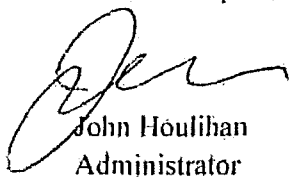
STRUCTURE: Power Line  
LOCATION: Hazard, KY  
COORDINATES: 37° 18' 20.86" N / 83° 11' 13.90" W  
HEIGHT: 259' AGL/1502' AMSL

The Kentucky Airport Zoning Commission has approved your application for a permit to construct 259' AGL/ 1502' AMSL Power Line near Hazard, KY 37° 18' 20.86" N / 83° 11' 13.90" W.

This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit.

A copy of the approved application is enclosed for your files.

Reflective Spherical Markers are required in accordance with 602 KAR 50:100.



John Houlihan  
Administrator



An Equal Opportunity Employer M/F/D





**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
www.transportation.ky.gov/aviation  
502 564-4480

**CONSTRUCTION/ALTERATION STATUS REPORT**

June 27, 2013

AERONAUTICAL STUDY NUMBER: AS-097-K20-2013-065

AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

This concerns the permit which was issued to you by the Kentucky Airport Zoning Commission on June 27, 2013. This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within the said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit. When appropriate, please indicate the status of the project in the place below and return this letter to John Houlihan, Administrator, Kentucky Airport Zoning Commission, 90 Airport Road, Bldg 400, Frankfort, KY, 40601. 502 564-4480.

STRUCTURE: Power Line  
LOCATION: Hazard, KY  
COORDINATES: 37° 18' 20.86" N / 83° 11' 13.90" W  
HEIGHT: 259' AGL / 1502' AMSL

**CONSTRUCTION/ALTERATION STATUS**

1. The project ( ) is abandoned. ( ) is not abandoned.

2. Construction status is as follows:

Structure reached its greatest height of \_\_\_\_\_ ft. AGL  
\_\_\_\_\_ ft. AMSL on \_\_\_\_\_ (date).

Date construction was completed. \_\_\_\_\_

Type of obstruction marking/painting. \_\_\_\_\_

Type of obstruction lighting. \_\_\_\_\_

As built coordinates. \_\_\_\_\_

Miscellaneous Information. \_\_\_\_\_

DATE \_\_\_\_\_

SIGNATURE/TITLE \_\_\_\_\_



An Equal Opportunity Employer M/F/D



KENTUCKY AIRPORT ZONING COMMISSION

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

<b>APPLICANT (name)</b> American Electric Power: John Edwards		<b>PHONE</b> 540-562-7118	<b>FAX</b> 540-562-7050	<b>KY AERONAUTICAL STUDY #</b> As-097-K20-2013-065	
<b>ADDRESS (street)</b> P.O Box 2021		<b>CITY</b> Roanoke		<b>STATE</b> VA	<b>ZIP</b> 24022-2121
<b>APPLICANT'S REPRESENTATIVE (name)</b> POWER Engineers: Erica Cutler		<b>PHONE</b> 281-765-5541	<b>FAX</b> 281-765-5599		
<b>ADDRESS (street)</b> 509 North Sam Houston Pkwy East		<b>CITY</b> Houston		<b>STATE</b> TX	<b>ZIP</b> 77060
<b>APPLICATION FOR</b> <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration <input type="checkbox"/> Existing				<b>WORK SCHEDULE</b>	
<b>DURATION</b> <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary (months days )				Start 4/15/2013 End 10/16/2014	
<b>TYPE</b> <input type="checkbox"/> Crane <input type="checkbox"/> Building <input type="checkbox"/> Antenna Tower <input checked="" type="checkbox"/> Power Line <input type="checkbox"/> Water Tank <input type="checkbox"/> Landfill <input type="checkbox"/> Other		<b>MARKING/PAINTING/LIGHTING PREFERRED</b> <input type="checkbox"/> Red Lights & Paint <input type="checkbox"/> White- medium intensity <input type="checkbox"/> White- high intensity <input type="checkbox"/> Dual- red & medium intensity white <input type="checkbox"/> Dual- red & high intensity white <input checked="" type="checkbox"/> Other Painted Spherical Marker Balls			
<b>LATITUDE</b> 37°18'20.86N"		<b>LONGITUDE</b> 83°11'13.90W"		<b>DATUM</b> <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> Other	
<b>NEAREST KENTUCKY</b> City Hazard County Perry		<b>NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT</b> Wendell H. Ford Airport			
<b>SITE ELEVATION (AMSL, feet)</b> 1243		<b>TOTAL STRUCTURE HEIGHT (AGL, feet)</b> 259		<b>CURRENT (FAA aeronautical study #)</b> 2012-ASO-10494-OE	
<b>OVERALL HEIGHT (site elevation plus total structure height, feet)</b> 1502				<b>PREVIOUS (FAA aeronautical study #)</b> N/A	
<b>DISTANCE (from nearest Kentucky public use or Military airport to structure)</b> 6.2 miles from Cat. 18-19.				<b>PREVIOUS (KY aeronautical study #)</b> N/A	
<b>DIRECTION (from nearest Kentucky public use or Military airport to structure)</b> Southeast to Cat. 18-19.					
<b>DESCRIPTION OF LOCATION (Attach USGS 7.5 minute quadrangle map or an airport layout drawing with the precise site marked and any certified survey.)</b> TOPO Map is located on Page 4 of each FAA Determination					
<b>DESCRIPTION OF PROPOSAL</b> This filling is not for a structure, but is a point on a static wire where it is the highest AGL. This is a proposal for the use of painted spherical marker balls on the static wire of a span in the Bonnyman - Softshell 138kV Circuit.					
<b>FAA Form 7460-1 (Has the "Notice of Construction or Alteration" been filed with the Federal Aviation Administration?)</b> <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, when? 11/2/2012					
<b>CERTIFICATION (I hereby certify that all the above entries, made by me, are true, complete, and correct to the best of my knowledge and belief.)</b>					
<b>PENALTIES (Persons failing to comply with KRS 183.861 to 183.990 and 602 KAR 050 are liable for fines and/or imprisonment as set forth in KRS 183.990(3). Noncompliance with FAA regulations may result in further penalties.)</b>					
<b>NAME</b> Erica Cutler	<b>TITLE</b> Design Engineer	<b>SIGNATURE</b> 		<b>DATE</b> 5/9/2013	
<b>COMMISSION ACTION</b> <input type="checkbox"/> Chairperson, KAZC <input checked="" type="checkbox"/> Administrator, KAZC					
<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved		<b>SIGNATURE</b> 		<b>DATE</b> 6-27-13	



## KENTUCKY AIRPORT ZONING COMMISSION

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
[www.transportation.ky.gov/aviation](http://www.transportation.ky.gov/aviation)  
502 564-4480.

June 27, 2013

### APPROVAL OF APPLICATION

APPLICANT:  
AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

SUBJECT: AS-097-K20-2013-066

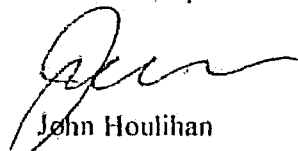
STRUCTURE: Power Line  
LOCATION: Hazard, KY  
COORDINATES: 37° 18' 30.42" N / 83° 10' 58.31" W  
HEIGHT: 236' AGL/1642' AMSL

The Kentucky Airport Zoning Commission has approved your application for a permit to construct 236' AGL/ 1642' AMSL Power Line near Hazard, KY 37° 18' 30.42" N / 83° 10' 58.31" W.

This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit.

A copy of the approved application is enclosed for your files.

Reflective Spherical Markers are required in accordance with 602 KAR 50:100.

  
John Houlihan  
Administrator



An Equal Opportunity Employer M/F/D



**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
www.transportation.ky.gov/aviation  
502 564-4480

**CONSTRUCTION/ALTERATION STATUS REPORT**

June 27, 2013

AERONAUTICAL STUDY NUMBER: AS-097-K20-2013-066

AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

This concerns the permit which was issued to you by the Kentucky Airport Zoning Commission on June 27, 2013. This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within the said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit. When appropriate, please indicate the status of the project in the place below and return this letter to John Houlihan, Administrator, Kentucky Airport Zoning Commission, 90 Airport Road, Bldg 400, Frankfort, KY, 40601. 502 564-4480.

STRUCTURE: Power Line  
LOCATION: Hazard, KY  
COORDINATES: 37° 18' 30.42" N / 83° 10' 58.31" W  
HEIGHT: 236' AGL /1642' AMSL

**CONSTRUCTION/ALTERATION STATUS**

1. The project ( ) is abandoned. ( ) is not abandoned.

2. Construction status is as follows:

Structure reached its greatest height of \_\_\_\_\_ ft. AGL  
\_\_\_\_\_ ft. AMSL on \_\_\_\_\_ (date).

Date construction was completed. \_\_\_\_\_

Type of obstruction marking/painting. \_\_\_\_\_

Type of obstruction lighting. \_\_\_\_\_

As built coordinates. \_\_\_\_\_

Miscellaneous Information. \_\_\_\_\_

DATE \_\_\_\_\_

SIGNATURE/TITLE \_\_\_\_\_



An Equal Opportunity Employer M/F/D



KENTUCKY AIRPORT ZONING COMMISSION

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

<b>APPLICANT (name)</b> American Electric Power; John Edwards		<b>PHONE</b> 540-562-7118	<b>FAX</b> 540-562-7118	<b>KY AERONAUTICAL STUDY #</b> AS-697-1220-2013-066	
<b>ADDRESS (street)</b> P.O Box 2021		<b>CITY</b> Roanoke		<b>STATE</b> VA	<b>ZIP</b> 24022-2121
<b>APPLICANT'S REPRESENTATIVE (name)</b> POWER Engineers; Erica Cutler		<b>PHONE</b> 281-765-5541	<b>FAX</b> 281-765-5599		
<b>ADDRESS (street)</b> 509 North Sam Houston Pkwy East		<b>CITY</b> Houston		<b>STATE</b> TX	<b>ZIP</b> 77060
<b>APPLICATION FOR</b> <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration <input type="checkbox"/> Existing				<b>WORK SCHEDULE</b>	
<b>DURATION</b> <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary (months days )				Start 4/15/2013 End 10/16/2014	
<b>TYPE</b> <input type="checkbox"/> Crane <input type="checkbox"/> Building <input type="checkbox"/> Antenna Tower <input checked="" type="checkbox"/> Power Line <input type="checkbox"/> Water Tank <input type="checkbox"/> Landfill <input type="checkbox"/> Other		<b>MARKING/PAINTING/LIGHTING PREFERRED</b> <input type="checkbox"/> Red Lights & Paint <input type="checkbox"/> White- medium intensity <input type="checkbox"/> White- high intensity <input type="checkbox"/> Dual- red & medium intensity white <input type="checkbox"/> Dual- red & high intensity white <input checked="" type="checkbox"/> Other Painted Spherical Marker Balls			
<b>LATITUDE</b> 37°18'30.42N"		<b>LONGITUDE</b> 83°10'58.31W"		<b>DATUM</b> <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> Other	
<b>NEAREST KENTUCKY</b> City Hazard County Perry		<b>NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT</b> Wendell H. Ford Airport			
<b>SITE ELEVATION (AMSL, feet)</b> 1406		<b>TOTAL STRUCTURE HEIGHT (AGL, feet)</b> 236		<b>CURRENT (FAA aeronautical study #)</b> 2012-ASO-10495-OE	
<b>OVERALL HEIGHT (site elevation plus total structure height, feet)</b> 1642				<b>PREVIOUS (FAA aeronautical study #)</b> N/A	
<b>DISTANCE (from nearest Kentucky public use or Military airport to structure)</b> 6.2 miles from Cat. 20-21.				<b>PREVIOUS (KY aeronautical study #)</b> N/A	
<b>DIRECTION (from nearest Kentucky public use or Military airport to structure)</b> Southeast to Cat. 20-21.					
<b>DESCRIPTION OF LOCATION (Attach USGS 7.5 minute quadrangle map or an airport layout drawing with the precise site marked and any certified survey.)</b> TOPO Map is located on Page 4 of each FAA Determination					
<b>DESCRIPTION OF PROPOSAL</b> This filing is not for a structure, but is a point on a static wire where it is the highest AGL. This is a proposal for the use of painted spherical marker balls on the static wire of a span in the Bonnyman - Softshell 138kV Circuit.					
<b>FAA Form 7460-1 (Has the "Notice of Construction or Alteration" been filed with the Federal Aviation Administration?)</b> <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, when? 11/2/2012					
<b>CERTIFICATION (I hereby certify that all the above entries, made by me, are true, complete, and correct to the best of my knowledge and belief.)</b>					
<b>PENALTIES (Persons failing to comply with KRS 183.861 to 183.990 and 602 KAR 050 are liable for fines and/or imprisonment as set forth in KRS 183.990(3). Noncompliance with FAA regulations may result in further penalties.)</b>					
<b>NAME</b> Erica Cutler	<b>TITLE</b> Design Engineer	<b>SIGNATURE</b> 		<b>DATE</b> 5/9/2013	
<b>COMMISSION ACTION</b> <input type="checkbox"/> Chairperson, KAZC <input checked="" type="checkbox"/> Administrator, KAZC					
<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved		<b>SIGNATURE</b> 		<b>DATE</b> 6-27-13	



## KENTUCKY AIRPORT ZONING COMMISSION

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
[www.transportation.ky.gov/aviation](http://www.transportation.ky.gov/aviation)  
502 564-4480

June 27, 2013

### APPROVAL OF APPLICATION

APPLICANT:  
AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

SUBJECT: AS-097-K20-2013-067

STRUCTURE: Power Line  
LOCATION: Hazard, KY  
COORDINATES: 37° 18' 48.21" N / 83° 10' 35.88" W  
HEIGHT: 269' AGL/1376' AMSL

The Kentucky Airport Zoning Commission has approved your application for a permit to construct 269' AGL/ 1376' AMSL Power Line near Hazard, KY 37° 18' 48.21" N / 83° 10' 35.88" W.

This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit.

A copy of the approved application is enclosed for your files.

Reflective Spherical Markers are required in accordance with 602 KAR 50:100.

A handwritten signature in black ink, appearing to read "John Houlihan".

John Houlihan  
Administrator



An Equal Opportunity Employer M/F/D



**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
www.transportation.ky.gov/aviation  
502 564-4480

**CONSTRUCTION/ALTERATION STATUS REPORT**

June 27, 2013

AERONAUTICAL STUDY NUMBER: AS-097-K20-2013-067

AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

This concerns the permit which was issued to you by the Kentucky Airport Zoning Commission on June 27, 2013. This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within the said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit. When appropriate, please indicate the status of the project in the place below and return this letter to John Houlihan, Administrator, Kentucky Airport Zoning Commission, 90 Airport Road, Bldg 400, Frankfort, KY, 40601. 502 564-4480.

STRUCTURE: Power Line  
LOCATION: Hazard, KY  
COORDINATES: 37° 18' 48.21" N / 83° 10' 35.88" W  
HEIGHT: 269' AGL / 1376' AMSL

**CONSTRUCTION/ALTERATION STATUS**

1. The project ( ) is abandoned. ( ) is not abandoned.

2. Construction status is as follows:

Structure reached its greatest height of \_\_\_\_\_ ft. AGL  
\_\_\_\_\_ ft. AMSL on \_\_\_\_\_ (date).

Date construction was completed. \_\_\_\_\_

Type of obstruction marking/painting. \_\_\_\_\_

Type of obstruction lighting. \_\_\_\_\_

As built coordinates. \_\_\_\_\_

Miscellaneous Information. \_\_\_\_\_

DATE \_\_\_\_\_

SIGNATURE/TITLE \_\_\_\_\_





KENTUCKY AIRPORT ZONING COMMISSION

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

APPLICANT (name) American Electric Power; John Edwards		PHONE 540-562-7118	FAX 540-562-7050	KY AERONAUTICAL STUDY # AS-097-K20-2013-067	
ADDRESS (street) P.O Box 2021		CITY Roanoke		STATE VA	ZIP 24022-2121
APPLICANT'S REPRESENTATIVE (name) POWER Engineers; Erica Cutler		PHONE 281-765-5541	FAX 281-765-5599		
ADDRESS (street) 509 North Sam Houston Pkwy East		CITY Houston		STATE TX	ZIP 77060
APPLICATION FOR <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration <input type="checkbox"/> Existing				WORK SCHEDULE	
DURATION <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary (months days )				Start 4/15/2013 End 10/16/2014	
TYPE <input type="checkbox"/> Crane <input type="checkbox"/> Building <input type="checkbox"/> Antenna Tower <input checked="" type="checkbox"/> Power Line <input type="checkbox"/> Water Tank <input type="checkbox"/> Landfill <input type="checkbox"/> Other		MARKING/PAINTING/LIGHTING PREFERRED <input type="checkbox"/> Red Lights & Paint <input type="checkbox"/> White- medium Intensity <input type="checkbox"/> White- high intensity <input type="checkbox"/> Dual- red & medium intensity white <input type="checkbox"/> Dual- red & high intensity white <input checked="" type="checkbox"/> Other Painted Spherical Marker Balls			
LATITUDE 37°18'48.21N"		LONGITUDE 83°10'35.88W"		DATUM <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> Other	
NEAREST KENTUCKY City Hazard County Perry		NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT Wendell H. Ford Airport			
SITE ELEVATION (AMSL, feet) 1107		TOTAL STRUCTURE HEIGHT (AGL, feet) 269		CURRENT (FAA aeronautical study #) 2012-ASO-10496-OE	
OVERALL HEIGHT (site elevation plus total structure height, feet) 1376				PREVIOUS (FAA aeronautical study #) N/A	
DISTANCE (from nearest Kentucky public use or Military airport to structure) 6.2 miles from Cat. 23-24.				PREVIOUS (KY aeronautical study #) N/A	
DIRECTION (from nearest Kentucky public use or Military airport to structure) Southeast to Cat. 23-24.					
DESCRIPTION OF LOCATION (Attach USGS 7.5 minute quadrangle map or an airport layout drawing with the precise site marked and any certified survey.) TOPO Map is located on Page 4 of each FAA Determination					
DESCRIPTION OF PROPOSAL This filing is not for a structure, but is a point on a static wire where it is the highest AGL. This is a proposal for the use of painted spherical marker balls on the static wire of a span in the Bonnyman - Softshell 138kV Circuit.					
FAA Form 7460-1 (Has the "Notice of Construction or Alteration" been filed with the Federal Aviation Administration?) <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, when? 11/2/2012					
CERTIFICATION (I hereby certify that all the above entries, made by me, are true, complete, and correct to the best of my knowledge and belief.)					
PENALTIES (Persons failing to comply with KRS 183.861 to 183.990 and 602 KAR 050 are liable for fines and/or imprisonment as set forth in KRS 183.990(3). Noncompliance with FAA regulations may result in further penalties.)					
NAME Erica Cutler	TITLE Design Engineer	SIGNATURE 		DATE 5/9/2013	
COMMISSION ACTION <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved					
SIGNATURE 		DATE 6-27-13			





**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
[www.transportation.ky.gov/aviation](http://www.transportation.ky.gov/aviation)  
502 564-4480

June 27, 2013

APPROVAL OF APPLICATION

APPLICANT:  
AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

SUBJECT: AS-097-K20-2013-068

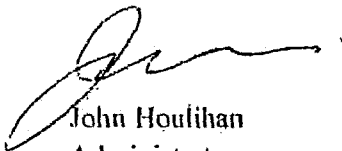
STRUCTURE: Power Line  
LOCATION: Hazard, KY  
COORDINATES: 37° 18' 56.37" N / 83° 10' 23.83" W  
HEIGHT: 286' AGL/1410' AMSL

The Kentucky Airport Zoning Commission has approved your application for a permit to construct 286' AGL/ 1410' AMSL Power Line near Hazard, KY 37° 18' 56.37" N / 83° 10' 23.83" W.

This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit.

A copy of the approved application is enclosed for your files.

Reflective Spherical Markers are required in accordance with 602 KAR 50:100.

  
John Houlihan  
Administrator



An Equal Opportunity Employer M/F/D



**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
www.transportation.ky.gov/aviation  
502 564-4480

**CONSTRUCTION/ALTERATION STATUS REPORT**

June 27, 2013

AERONAUTICAL STUDY NUMBER: AS-097-K20-2013-068

AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

This concerns the permit which was issued to you by the Kentucky Airport Zoning Commission on June 27, 2013. This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within the said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit. When appropriate, please indicate the status of the project in the place below and return this letter to John Houlihan, Administrator, Kentucky Airport Zoning Commission, 90 Airport Road, Bldg 400, Frankfort, KY, 40601. 502 564-4480.

STRUCTURE: Power Line  
LOCATION: Hazard, KY  
COORDINATES: 37° 18' 56.37" N / 83° 10' 23.83" W  
HEIGHT: 286' AGL / 1410' AMSL

**CONSTRUCTION/ALTERATION STATUS**

1. The project ( ) is abandoned. ( ) is not abandoned.

2. Construction status is as follows:

Structure reached its greatest height of \_\_\_\_\_ ft. AGL  
\_\_\_\_\_ ft. AMSL on \_\_\_\_\_ (date).

Date construction was completed. \_\_\_\_\_

Type of obstruction marking/painting. \_\_\_\_\_

Type of obstruction lighting. \_\_\_\_\_

As built coordinates. \_\_\_\_\_

Miscellaneous Information. \_\_\_\_\_

DATE \_\_\_\_\_

SIGNATURE/TITLE \_\_\_\_\_





KENTUCKY AIRPORT ZONING COMMISSION

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

APPLICANT (name) American Electric Power: John Edwards		PHONE 540-562-7118	FAX 540-562-7050	KY AERONAUTICAL STUDY # AS-097-K20-2013-068	
ADDRESS (street) P.O Box 2021		CITY Roanoke		STATE VA	ZIP 24022-2121
APPLICANT'S REPRESENTATIVE (name) POWER Engineers: Erica Cutler		PHONE 281-765-5541	FAX 281-765-5599		
ADDRESS (street) 509 North Sam Houston Pkwy East		CITY Houston		STATE TX	ZIP 77060
APPLICATION FOR <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration <input type="checkbox"/> Existing				WORK SCHEDULE	
DURATION <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary (months days )				Start 4/15/2013 End 10/16/2014	
TYPE <input type="checkbox"/> Crane <input type="checkbox"/> Building <input type="checkbox"/> Antenna Tower <input checked="" type="checkbox"/> Power Line <input type="checkbox"/> Water Tank <input type="checkbox"/> Landfill <input type="checkbox"/> Other		MARKING/PAINTING/LIGHTING PREFERRED <input type="checkbox"/> Red Lights & Paint <input type="checkbox"/> White- medium Intensity <input type="checkbox"/> White- high intensity <input type="checkbox"/> Dual- red & medium intensity white <input type="checkbox"/> Dual- red & high intensity white <input checked="" type="checkbox"/> Other Painted Spherical Marker Balls			
LATITUDE 37°18'56.37N"		LONGITUDE 83°10'23.83W"		DATUM <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> Other	
NEAREST KENTUCKY City Hazard County Perry		NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT Wendell H. Ford Airport			
SITE ELEVATION (AMSL, feet) 1124		TOTAL STRUCTURE HEIGHT (AGL, feet) 286		CURRENT (FAA aeronautical study #) 2012-ASO-10497-OE	
OVERALL HEIGHT (site elevation plus total structure height, feet) 1410				PREVIOUS (FAA aeronautical study #) N/A	
DISTANCE (from nearest Kentucky public use or Military airport to structure) 6.2 miles from Cat. 24-25.				PREVIOUS (KY aeronautical study #) N/A	
DIRECTION (from nearest Kentucky public use or Military airport to structure) Southeast to Cat. 24-25.					
DESCRIPTION OF LOCATION (Attach USGS 7.5 minute quadrangle map or an airport layout drawing with the precise site marked and any certified survey.) TOPO Map is located on Page 4 of each FAA Determination					
DESCRIPTION OF PROPOSAL This filing is not for a structure, but is a point on a static wire where it is the highest AGL. This is a proposal for the use of painted spherical marker balls on the static wire of a span in the Bonnyman - Softshell 138kV Circuit.					
FAA Form 7460-1 (Has the "Notice of Construction or Alteration" been filed with the Federal Aviation Administration?) <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, when? 11/2/2012					
CERTIFICATION (I hereby certify that all the above entries, made by me, are true, complete, and correct to the best of my knowledge and belief.)					
PENALTIES (Persons failing to comply with KRS 183.861 to 183.990 and 602 KAR 050 are liable for fines and/or imprisonment as set forth in KRS 183.990(3). Noncompliance with FAA regulations may result in further penalties.)					
NAME Erica Cutler		TITLE Design Engineer		SIGNATURE 	
				DATE 5/9/2013	
COMMISSION ACTION <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved					
SIGNATURE 				DATE 6-27-13	
<input checked="" type="checkbox"/> Chairperson, KAZC <input checked="" type="checkbox"/> Administrator, KAZC					



**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
www.transportation.ky.gov/aviation  
502 564-4480

June 27, 2013

APPROVAL OF APPLICATION

APPLICANT:  
AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

SUBJECT: AS-097-K20-2013-069

STRUCTURE: Power Line  
LOCATION: Hazard, KY  
COORDINATES: 37° 19' 6.44" N / 83° 10' 1.74" W  
HEIGHT: 312' AGL/1388' AMSL

The Kentucky Airport Zoning Commission has approved your application for a permit to construct 312' AGL/ 1388' AMSL Power Line near Hazard, KY 37° 19' 6.44" N / 83° 10' 1.74" W.

This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit.

A copy of the approved application is enclosed for your files.

Medium Dual Catenary Lighting is required in accordance with 602 KAR 50:100.

  
John Houlihan  
Administrator



An Equal Opportunity Employer M/F/D



**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
www.transportation.ky.gov/aviation  
502 564-4480

**CONSTRUCTION/ALTERATION STATUS REPORT**

June 27, 2013

AERONAUTICAL STUDY NUMBER: AS-097-K20-2013-069

AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

This concerns the permit which was issued to you by the Kentucky Airport Zoning Commission on June 27, 2013. This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within the said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit. When appropriate, please indicate the status of the project in the place below and return this letter to John Houlihan, Administrator, Kentucky Airport Zoning Commission, 90 Airport Road, Bldg 400, Frankfort, KY, 40601. 502 564-4480.

STRUCTURE: Power Line  
LOCATION: Hazard, KY  
COORDINATES: 37° 19' 6.44" N / 83° 10' 1.74" W  
HEIGHT: 312' AGL /1388'AMSL

**CONSTRUCTION/ALTERATION STATUS**

- 1. The project ( ) is abandoned. ( ) is not abandoned.
- 2. Construction status is as follows:  
 Structure reached its greatest height of \_\_\_\_\_ ft. AGL  
 \_\_\_\_\_ ft. AMSL on \_\_\_\_\_ (date).  
 Date construction was completed. \_\_\_\_\_  
 Type of obstruction marking/painting. \_\_\_\_\_  
 Type of obstruction lighting. \_\_\_\_\_  
 As built coordinates. \_\_\_\_\_  
 Miscellaneous Information. \_\_\_\_\_  
 DATE \_\_\_\_\_  
 SIGNATURE/TITLE \_\_\_\_\_





KENTUCKY TRANSPORTATION CABINET  
KENTUCKY AIRPORT ZONING COMMISSION

TC 56-50  
Rev. 07/2010  
Page 2 of 2

**APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE**

<b>APPLICANT (name)</b> American Electric Power: John Edwards		<b>PHONE</b> 540-562-7118	<b>FAX</b> 540-562-7050	<b>KY AERONAUTICAL STUDY #</b> AS-097-K20-243-069
<b>ADDRESS (street)</b> P.O Box 2021		<b>CITY</b> Roanoke		<b>STATE</b> VA
<b>APPLICANT'S REPRESENTATIVE (name)</b> POWER Engineers: Erica Cutler		<b>PHONE</b> 281-765-5541	<b>FAX</b> 281-765-5599	<b>ZIP</b> 24022-2121
<b>ADDRESS (street)</b> 509 North Sam Houston Pkwy East		<b>CITY</b> Houston		<b>STATE</b> TX
<b>APPLICATION FOR</b> <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration <input type="checkbox"/> Existing		<b>WORK SCHEDULE</b> Start 4/15/2013 End 10/16/2014		
<b>DURATION</b> <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary (months days )				
<b>TYPE</b> <input type="checkbox"/> Crane <input type="checkbox"/> Building <input type="checkbox"/> Antenna Tower <input checked="" type="checkbox"/> Power Line <input type="checkbox"/> Water Tank <input type="checkbox"/> Landfill <input type="checkbox"/> Other		<b>MARKING/PAINTING/LIGHTING PREFERRED</b> <input type="checkbox"/> Red Lights & Paint <input type="checkbox"/> White- medium intensity <input type="checkbox"/> White- high intensity <input type="checkbox"/> Dual- red & medium intensity white <input type="checkbox"/> Dual- red & high intensity white <input checked="" type="checkbox"/> Other Painted Spherical Marker Balls		
<b>LATITUDE</b> 37°19'06.44N"		<b>LONGITUDE</b> 83°10'01.74W"		<b>DATUM</b> <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> Other
<b>NEAREST KENTUCKY</b> City Hazard County Perry		<b>NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT</b> Wendell H. Ford Airport		
<b>SITE ELEVATION (AMSL, feet)</b> 1076		<b>TOTAL STRUCTURE HEIGHT (AGL, feet)</b> 312		<b>CURRENT (FAA aeronautical study #)</b> 2012-ASO-10498-OE
<b>OVERALL HEIGHT (site elevation plus total structure height, feet)</b> 1388		<b>PREVIOUS (FAA aeronautical study #)</b> N/A		
<b>DISTANCE (from nearest Kentucky public use or Military airport to structure)</b> 6.2 miles from Cat. 26-27.		<b>PREVIOUS (KY aeronautical study #)</b> N/A		
<b>DIRECTION (from nearest Kentucky public use or Military airport to structure)</b> Southeast to Cat. 26-27.				
<b>DESCRIPTION OF LOCATION (Attach USGS 7.5 minute quadrangle map or an airport layout drawing with the precise site marked and any certified survey.)</b> TOPO Map is located on Page 4 of each FAA Determination				
<b>DESCRIPTION OF PROPOSAL</b> This filing is not for a structure, but is a point on a static wire where it is the highest AGL. This is a proposal for the use of painted spherical marker balls on the static wire of a span in the Bonnyman - Softshell 138kV Circuit.				
<b>FAA Form 7460-1 (Has the "Notice of Construction or Alteration" been filed with the Federal Aviation Administration?)</b> <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, when? 11/2/2012				
<b>CERTIFICATION (I hereby certify that all the above entries, made by me, are true, complete, and correct to the best of my knowledge and belief.)</b>				
<b>PENALTIES (Persons failing to comply with KRS 183.861 to 183.990 and 602 KAR 050 are liable for fines and/or imprisonment as set forth in KRS 183.990(3). Noncompliance with FAA regulations may result in further penalties.)</b>				
<b>NAME</b> Erica Cutler	<b>TITLE</b> Design Engineer	<b>SIGNATURE</b> 		<b>DATE</b> 5/9/2013
<b>COMMISSION ACTION</b>		<input type="checkbox"/> Chairperson, KAZC <input checked="" type="checkbox"/> Administrator, KAZC		
<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved		<b>SIGNATURE</b> 		<b>DATE</b> 6-27-13



## KENTUCKY AIRPORT ZONING COMMISSION

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
[www.transportation.ky.gov/aviation](http://www.transportation.ky.gov/aviation)  
502 564-4480

June 27, 2013

### APPROVAL OF APPLICATION

APPLICANT:  
AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

SUBJECT: AS-097-K20-2013-070

STRUCTURE: Power Line  
LOCATION: Hazard, KY  
COORDINATES: 37° 19' 13.08" N / 83° 9' 45.79" W  
HEIGHT: 327' AGL/1466' AMSL

The Kentucky Airport Zoning Commission has approved your application for a permit to construct 327' AGL/ 1466' AMSL Power Line near Hazard, KY 37° 19' 13.08" N / 83° 9' 45.79" W.

This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit.

A copy of the approved application is enclosed for your files.

Medium Dual Catenary Lighting is required in accordance with 602 KAR 50:100,

A handwritten signature in black ink, appearing to read "John Houlihan".

John Houlihan  
Administrator



An Equal Opportunity Employer M/F/D



**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
www.transportation.ky.gov/aviation  
502 564-4480

**CONSTRUCTION/ALTERATION STATUS REPORT**

June 27, 2013

AERONAUTICAL STUDY NUMBER: AS-097-K20-2013-070

AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

This concerns the permit which was issued to you by the Kentucky Airport Zoning Commission on June 27, 2013. This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within the said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit. When appropriate, please indicate the status of the project in the place below and return this letter to John Houlihan, Administrator, Kentucky Airport Zoning Commission, 90 Airport Road, Bldg 400, Frankfort, KY, 40601. 502 564-4480.

STRUCTURE: Power Line  
LOCATION: Hazard, KY  
COORDINATES: 37° 19' 13.08" N / 83° 9' 45.79" W  
HEIGHT: 327' AGL /1466'AMSL

**CONSTRUCTION/ALTERATION STATUS**

1. The project ( ) is abandoned. ( ) is not abandoned.

2. Construction status is as follows:

Structure reached its greatest height of \_\_\_\_\_ ft. AGL  
\_\_\_\_\_ ft. AMSL on \_\_\_\_\_ (date).

Date construction was completed. \_\_\_\_\_

Type of obstruction marking/painting. \_\_\_\_\_

Type of obstruction lighting. \_\_\_\_\_

As built coordinates. \_\_\_\_\_

Miscellaneous Information. \_\_\_\_\_

DATE \_\_\_\_\_

SIGNATURE/TITLE \_\_\_\_\_







KENTUCKY AIRPORT ZONING COMMISSION

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

<b>APPLICANT (name)</b> American Electric Power: John Edwards		<b>PHONE</b> 540-562-7118	<b>FAX</b> 540-562-7050	<b>KY AERONAUTICAL STUDY #</b> AS-097-K20-2013-070	
<b>ADDRESS (street)</b> P.O Box 2021		<b>CITY</b> Roanoke		<b>STATE</b> VA	<b>ZIP</b> 24022-2121
<b>APPLICANT'S REPRESENTATIVE (name)</b> POWER Engineers: Erica Cutler		<b>PHONE</b> 281-765-5541	<b>FAX</b> 281-765-5599		
<b>ADDRESS (street)</b> 509 North Sam Houston Pkwy East		<b>CITY</b> Houston		<b>STATE</b> TX	<b>ZIP</b> 77060
<b>APPLICATION FOR</b> <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration <input type="checkbox"/> Existing				<b>WORK SCHEDULE</b>	
<b>DURATION</b> <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary (months days )				Start 4/15/2013 End 10/16/2014	
<b>TYPE</b> <input type="checkbox"/> Crane <input type="checkbox"/> Building <input type="checkbox"/> Antenna Tower <input checked="" type="checkbox"/> Power Line <input type="checkbox"/> Water Tank <input type="checkbox"/> Landfill <input type="checkbox"/> Other		<b>MARKING/PAINTING/LIGHTING PREFERRED</b> <input type="checkbox"/> Red Lights & Paint <input type="checkbox"/> White- medium intensity <input type="checkbox"/> White- high intensity <input type="checkbox"/> Dual- red & medium intensity white <input type="checkbox"/> Dual- red & high intensity white <input checked="" type="checkbox"/> Other Painted Spherical Marker Balls			
<b>LATITUDE</b> 37°19'13.08N"		<b>LONGITUDE</b> 83°09'45.79W"		<b>DATUM</b> <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> Other	
<b>NEAREST KENTUCKY</b> City Hazard County Perry		<b>NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT</b> Wendell H. Ford Airport			
<b>SITE ELEVATION (AMSL, feet)</b> 1139		<b>TOTAL STRUCTURE HEIGHT (AGL, feet)</b> 327		<b>CURRENT (FAA aeronautical study #)</b> 2012-ASO-10499-OE	
<b>OVERALL HEIGHT (site elevation plus total structure height, feet)</b> 1466				<b>PREVIOUS (FAA aeronautical study #)</b> N/A	
<b>DISTANCE (from nearest Kentucky public use or Military airport to structure)</b> 6.4 miles from Cat. 27-28.				<b>PREVIOUS (KY aeronautical study #)</b> N/A	
<b>DIRECTION (from nearest Kentucky public use or Military airport to structure)</b> Southeast to Cat. 27-28.					
<b>DESCRIPTION OF LOCATION (Attach USGS 7.5 minute quadrangle map or an airport layout drawing with the precise site marked and any certified survey.)</b> TOPO Map is located on Page 4 of each FAA Determination					
<b>DESCRIPTION OF PROPOSAL</b> This filing is not for a structure, but is a point on a static wire where it is the highest AGL. This is a proposal for the use of painted spherical marker balls on the static wire of a span in the Bonnyman - Softshell 138kV Circuit.					
<b>FAA Form 7460-1 (Has the "Notice of Construction or Alteration" been filed with the Federal Aviation Administration?)</b> <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, when? 11/2/2012					
<b>CERTIFICATION (I hereby certify that all the above entries, made by me, are true, complete, and correct to the best of my knowledge and belief.)</b>					
<b>PENALTIES (Persons failing to comply with KRS 183.861 to 183.990 and 602 KAR 050 are liable for fines and/or imprisonment as set forth in KRS 183.990(3). Noncompliance with FAA regulations may result in further penalties.)</b>					
<b>NAME</b> Erica Cutler	<b>TITLE</b> Deslgn Engineer	<b>SIGNATURE</b> 		<b>DATE</b> 5/9/2013	
<b>COMMISSION ACTION</b> <input type="checkbox"/> Chairperson, KAZC <input checked="" type="checkbox"/> Administrator, KAZC					
<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved		<b>SIGNATURE</b> 		<b>DATE</b> 6-22-13	



**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
www.transportation.ky.gov/aviation  
502 564-4480

June 27, 2013

APPROVAL OF APPLICATION

APPLICANT:  
AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

SUBJECT: AS-097-K20-2013-071

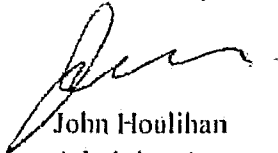
STRUCTURE: Power Line  
LOCATION: Hazard, KY  
COORDINATES: 37° 19' 35.20" N / 83° 9' 19.04" W  
HEIGHT: 240' AGL/1617' AMSL

The Kentucky Airport Zoning Commission has approved your application for a permit to construct 240' AGL/ 1617' AMSL Power Line near Hazard, KY 37° 19' 35.20" N / 83° 9' 19.04" W.

This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit.

A copy of the approved application is enclosed for your files.

Reflective Spherical Markers are required in accordance with 602 KAR 50:100.

  
John Houlihan  
Administrator



An Equal Opportunity Employer M/F/D



**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
www.transportation.ky.gov/aviation  
502 564-4480

**CONSTRUCTION/ALTERATION STATUS REPORT**

June 27, 2013

AERONAUTICAL STUDY NUMBER: AS-097-K20-2013-071

AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

This concerns the permit which was issued to you by the Kentucky Airport Zoning Commission on June 27, 2013. This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within the said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit. When appropriate, please indicate the status of the project in the place below and return this letter to John Houlihan, Administrator, Kentucky Airport Zoning Commission, 90 Airport Road, Bldg 400, Frankfort, KY, 40601. 502 564-4480.

STRUCTURE: Power Line  
LOCATION: Hazard, KY  
COORDINATES: 37° 19' 35.20" N / 83° 9' 19.04" W  
HEIGHT: 240' AGL / 1617' AMSL

**CONSTRUCTION/ALTERATION STATUS**

1. The project ( ) is abandoned. ( ) is not abandoned.

2. Construction status is as follows:

Structure reached its greatest height of \_\_\_\_\_ ft. AGL  
\_\_\_\_\_ ft. AMSL on \_\_\_\_\_ (date).

Date construction was completed: \_\_\_\_\_

Type of obstruction marking/painting: \_\_\_\_\_

Type of obstruction lighting: \_\_\_\_\_

As built coordinates: \_\_\_\_\_

Miscellaneous Information: \_\_\_\_\_

DATE \_\_\_\_\_

SIGNATURE/TITLE \_\_\_\_\_





KENTUCKY AIRPORT ZONING COMMISSION

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

<b>APPLICANT (name)</b> American Electric Power: John Edwards		<b>PHONE</b> 540-562-7118	<b>FAX</b> 540-562-7050	<b>KY AERONAUTICAL STUDY #</b> AS-097-K20-2013-071	
<b>ADDRESS (street)</b> P.O Box 2021		<b>CITY</b> Roanoke		<b>STATE</b> VA	<b>ZIP</b> 24022-2121
<b>APPLICANT'S REPRESENTATIVE (name)</b> POWER Engineers: Erica Cutler		<b>PHONE</b> 281-765-5541	<b>FAX</b> 281-765-5599		
<b>ADDRESS (street)</b> 509 North Sam Houston Pkwy East		<b>CITY</b> Houston		<b>STATE</b> TX	<b>ZIP</b> 77060
<b>APPLICATION FOR</b> <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration <input type="checkbox"/> Existing				<b>WORK SCHEDULE</b>	
<b>DURATION</b> <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary (months days )				Start 4/15/2013 End 10/16/2014	
<b>TYPE</b> <input type="checkbox"/> Crane <input type="checkbox"/> Building <input type="checkbox"/> Antenna Tower <input checked="" type="checkbox"/> Power Line <input type="checkbox"/> Water Tank <input type="checkbox"/> Landfill <input type="checkbox"/> Other		<b>MARKING/PAINTING/LIGHTING PREFERRED</b> <input type="checkbox"/> Red Lights & Paint <input type="checkbox"/> White- medium intensity <input type="checkbox"/> White- high intensity <input type="checkbox"/> Dual- red & medium intensity white <input type="checkbox"/> Dual- red & high intensity white <input checked="" type="checkbox"/> Other Painted Spherical Marker Balls			
<b>LATITUDE</b> 37°19'35.20N"		<b>LONGITUDE</b> 83°09'19.04W"		<b>DATUM</b> <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> Other	
<b>NEAREST KENTUCKY</b> City Hazard County Perry		<b>NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT</b> Wendell H. Ford Airport			
<b>SITE ELEVATION (AMSL, feet)</b> 1377		<b>TOTAL STRUCTURE HEIGHT (AGL, feet)</b> 240		<b>CURRENT (FAA aeronautical study #)</b> 2012-ASO-10500-OE	
<b>OVERALL HEIGHT (site elevation plus total structure height, feet)</b> 1617		<b>PREVIOUS (FAA aeronautical study #)</b> N/A			
<b>DISTANCE (from nearest Kentucky public use or Military airport to structure)</b> 6.5 miles from Cat. 30-31.		<b>PREVIOUS (KY aeronautical study #)</b> N/A			
<b>DIRECTION (from nearest Kentucky public use or Military airport to structure)</b> Southeast to Cat. 30-31.					
<b>DESCRIPTION OF LOCATION (Attach USGS 7.5 minute quadrangle map or an airport layout drawing with the precise site marked and any certified survey.)</b> TOPO Map is located on Page 4 of each FAA Determination					
<b>DESCRIPTION OF PROPOSAL</b> This filing is not for a structure, but is a point on a static wire where it is the highest AGL. This is a proposal for the use of painted spherical marker balls on the static wire of a span in the Bonnyman - Softshell 138kV Circuit.					
<b>FAA Form 7460-1 (Has the "Notice of Construction or Alteration" been filed with the Federal Aviation Administration?)</b> <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, when? 11/2/2012					
<b>CERTIFICATION (I hereby certify that all the above entries, made by me, are true, complete, and correct to the best of my knowledge and belief.)</b>					
<b>PENALTIES (Persons failing to comply with KRS 183.861 to 183.990 and 602 KAR 050 are liable for fines and/or imprisonment as set forth in KRS 183.990(3). Noncompliance with FAA regulations may result in further penalties.)</b>					
<b>NAME</b> Erica Cutler	<b>TITLE</b> Design Engineer	<b>SIGNATURE</b> 		<b>DATE</b> 5/9/2013	
<b>COMMISSION ACTION</b> <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved		<input type="checkbox"/> Chairperson, KAZC <input checked="" type="checkbox"/> Administrator, KAZC		<b>SIGNATURE</b> 	
				<b>DATE</b> 6-27-13	



**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
[www.transportation.ky.gov/aviation](http://www.transportation.ky.gov/aviation)  
502 564-4480

June 27, 2013

APPROVAL OF APPLICATION

APPLICANT:  
AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

SUBJECT: AS-097-K20-2013-072

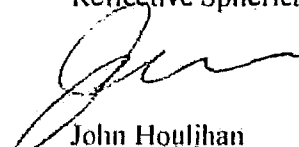
STRUCTURE: Power Line  
LOCATION: Hazard, KY  
COORDINATES: 37° 19' 43.79" N / 83° 9' 3.44" W  
HEIGHT: 262' AGL/1439' AMSL

The Kentucky Airport Zoning Commission has approved your application for a permit to construct 262' AGL/ 1439' AMSL Power Line near Hazard, KY 37° 19' 43.79" N / 83° 9' 3.44" W.

This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit.

A copy of the approved application is enclosed for your files.

Reflective Spherical Markers are required in accordance with 602 KAR 50:100.

  
John Houlihan  
Administrator



An Equal Opportunity Employer M/F/D



**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
www.transportation.ky.gov/aviation  
502 564-4480

**CONSTRUCTION/ALTERATION STATUS REPORT**

June 27, 2013

AERONAUTICAL STUDY NUMBER: AS-097-K20-2013-072

AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

This concerns the permit which was issued to you by the Kentucky Airport Zoning Commission on June 27, 2013. This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within the said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit. When appropriate, please indicate the status of the project in the place below and return this letter to John Houlihan, Administrator, Kentucky Airport Zoning Commission, 90 Airport Road, Bldg 400, Frankfort, KY, 40601. 502 564-4480.

STRUCTURE: Power Line  
LOCATION: Hazard, KY  
COORDINATES: 37° 19' 43.79" N / 83° 9' 3.44" W  
HEIGHT: 262' AGL /1439' AMSL

**CONSTRUCTION/ALTERATION STATUS**

- The project ( ) is abandoned. ( ) is not abandoned.
- Construction status is as follows:  
 Structure reached its greatest height of \_\_\_\_\_ ft. AGL  
 \_\_\_\_\_ ft. AMSL on \_\_\_\_\_ (date).  
 Date construction was completed. \_\_\_\_\_  
 Type of obstruction marking/painting. \_\_\_\_\_  
 Type of obstruction lighting. \_\_\_\_\_  
 As built coordinates. \_\_\_\_\_  
 Miscellaneous Information. \_\_\_\_\_  
 DATE \_\_\_\_\_  
 SIGNATURE/TITLE \_\_\_\_\_



An Equal Opportunity Employer M/F/D



KENTUCKY AIRPORT ZONING COMMISSION

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

<b>APPLICANT (name)</b> American Electric Power: John Edwards		<b>PHONE</b> 540-562-7118	<b>FAX</b> 540-562-7050	<b>KY AERONAUTICAL STUDY #</b> AS-097-290-2013-072	
<b>ADDRESS (street)</b> P.O. Box 2021		<b>CITY</b> Roanoke		<b>STATE</b> VA	<b>ZIP</b> 24022-2121
<b>APPLICANT'S REPRESENTATIVE (name)</b> POWER Engineers: Erica Cutler		<b>PHONE</b> 281-765-5541	<b>FAX</b> 281-765-5599		
<b>ADDRESS (street)</b> 509 North Sam Houston Pkwy East		<b>CITY</b> Houston		<b>STATE</b> TX	<b>ZIP</b> 77060
<b>APPLICATION FOR</b> <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration <input type="checkbox"/> Existing				<b>WORK SCHEDULE</b>	
<b>DURATION</b> <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary (months days )				Start 4/15/2013 End 10/16/2014	
<b>TYPE</b> <input type="checkbox"/> Crane <input type="checkbox"/> Building <input type="checkbox"/> Antenna Tower <input checked="" type="checkbox"/> Power Line <input type="checkbox"/> Water Tank <input type="checkbox"/> Landfill <input type="checkbox"/> Other		<b>MARKING/PAINTING/LIGHTING PREFERRED</b> <input type="checkbox"/> Red Lights & Paint <input type="checkbox"/> White- medium intensity <input type="checkbox"/> White- high intensity <input type="checkbox"/> Dual- red & medium intensity white <input type="checkbox"/> Dual- red & high intensity white <input checked="" type="checkbox"/> Other Painted Spherical Marker Balls			
<b>LATITUDE</b> 37°19'43.79N"		<b>LONGITUDE</b> 83°09'03.44W"		<b>DATUM</b> <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> Other	
<b>NEAREST KENTUCKY</b> City Hazard County Perry		<b>NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT</b> Wendell H. Ford Airport			
<b>SITE ELEVATION (AMSL, feet)</b> 1177		<b>TOTAL STRUCTURE HEIGHT (AGL, feet)</b> 262		<b>CURRENT (FAA aeronautical study #)</b> 2012-ASO-10501-OE	
<b>OVERALL HEIGHT (site elevation plus total structure height, feet)</b> 1439				<b>PREVIOUS (FAA aeronautical study #)</b> N/A	
<b>DISTANCE (from nearest Kentucky public use or Military airport to structure)</b> 6.5 miles from Cat. 31-32.				<b>PREVIOUS (KY aeronautical study #)</b> N/A	
<b>DIRECTION (from nearest Kentucky public use or Military airport to structure)</b> Southeast to Cat. 31-32.					
<b>DESCRIPTION OF LOCATION (Attach USGS 7.5 minute quadrangle map or an airport layout drawing with the precise site marked and any certified survey.)</b> TOPO Map is located on Page 4 of each FAA Determination					
<b>DESCRIPTION OF PROPOSAL</b> This filing is not for a structure, but is a point on a static wire where it is the highest AGL. This is a proposal for the use of painted spherical marker balls on the static wire of a span in the Bonnyman - Softshell 138kV Circuit.					
<b>FAA Form 7460-1 (Has the "Notice of Construction or Alteration" been filed with the Federal Aviation Administration?)</b> <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, when? 11/2/2012					
<b>CERTIFICATION (I hereby certify that all the above entries, made by me, are true, complete, and correct to the best of my knowledge and belief.)</b>					
<b>PENALTIES (Persons failing to comply with KRS 183.861 to 183.990 and 602 KAR 050 are liable for fines and/or imprisonment as set forth in KRS 183.990(3). Noncompliance with FAA regulations may result in further penalties.)</b>					
<b>NAME</b> Erica Cutler	<b>TITLE</b> Design Engineer	<b>SIGNATURE</b> 		<b>DATE</b> 5/9/2013	
<b>COMMISSION ACTION</b>		<input type="checkbox"/> Chairperson, KAZC <input checked="" type="checkbox"/> Administrator, KAZC			
<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved		<b>SIGNATURE</b> 		<b>DATE</b> 6-27-13	



**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
[www.transportation.ky.gov/aviation](http://www.transportation.ky.gov/aviation)  
502 564-4480

June 27, 2013

APPROVAL OF APPLICATION

APPLICANT:  
AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

SUBJECT: AS-097-K20-2013-073

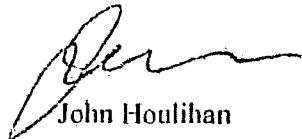
STRUCTURE: Power Line  
LOCATION: Hazard, KY  
COORDINATES: 37° 20' 2.90" N / 83° 8' 30.02" W  
HEIGHT: 274' AGL/1357' AMSL

The Kentucky Airport Zoning Commission has approved your application for a permit to construct 274' AGL/ 1357' AMSL Power Line near Hazard, KY 37° 20' 2.90" N / 83° 8' 30.02" W.

This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit.

A copy of the approved application is enclosed for your files.

Reflective Spherical Markers are required in accordance with 602 KAR 50:100.

  
John Houlihan  
Administrator



An Equal Opportunity Employer M/F/D





**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
www.transportation.ky.gov/aviation  
502 564-4480

**CONSTRUCTION/ALTERATION STATUS REPORT**

June 27, 2013

AERONAUTICAL STUDY NUMBER: AS-097-K20-2013-073

AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

This concerns the permit which was issued to you by the Kentucky Airport Zoning Commission on June 27, 2013. This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within the said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit. When appropriate, please indicate the status of the project in the place below and return this letter to John Houlihan, Administrator, Kentucky Airport Zoning Commission, 90 Airport Road, Bldg 400, Frankfort, KY, 40601. 502 564-4480.

STRUCTURE: Power Line  
LOCATION: Hazard, KY  
COORDINATES: 37° 20' 2.90" N / 83° 8' 30.02" W  
HEIGHT: 274' AGL /1357'AMSL

**CONSTRUCTION/ALTERATION STATUS**

1. The project ( ) is abandoned. ( ) is not abandoned.

2. Construction status is as follows:

Structure-reached its greatest height of \_\_\_\_\_ ft. AGL  
\_\_\_\_\_ ft. AMSL on \_\_\_\_\_ (date).

Date construction was completed. \_\_\_\_\_

Type of obstruction marking/painting. \_\_\_\_\_

Type of obstruction lighting. \_\_\_\_\_

As built coordinates. \_\_\_\_\_

Miscellaneous Information. \_\_\_\_\_

DATE \_\_\_\_\_

SIGNATURE/TITLE \_\_\_\_\_





KENTUCKY AIRPORT ZONING COMMISSION

**APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE**

<b>APPLICANT (name)</b> American Electric Power; John Edwards		<b>PHONE</b> 540-562-7118	<b>FAX</b> 540-562-7050	<b>KY AERONAUTICAL STUDY #</b> 15-097-K20-2013-073	
<b>ADDRESS (street)</b> P.O Box 2021		<b>CITY</b> Roanoke		<b>STATE</b> VA	<b>ZIP</b> 24022-2121
<b>APPLICANT'S REPRESENTATIVE (name)</b> POWER Engineers; Erica Cutler		<b>PHONE</b> 281-765-5541	<b>FAX</b> 281-765-5599		
<b>ADDRESS (street)</b> 509 North Sam Houston Pkwy East		<b>CITY</b> Houston		<b>STATE</b> TX	<b>ZIP</b> 77060
<b>APPLICATION FOR</b> <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration <input type="checkbox"/> Existing				<b>WORK SCHEDULE</b>	
<b>DURATION</b> <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary (months days )				Start 4/15/2013 End 10/16/2014	
<b>TYPE</b> <input type="checkbox"/> Crane <input type="checkbox"/> Building <input type="checkbox"/> Antenna Tower <input checked="" type="checkbox"/> Power Line <input type="checkbox"/> Water Tank <input type="checkbox"/> Landfill <input type="checkbox"/> Other		<b>MARKING/PAINTING/LIGHTING PREFERRED</b> <input type="checkbox"/> Red Lights & Paint <input type="checkbox"/> White- medium intensity <input type="checkbox"/> White- high intensity <input type="checkbox"/> Dual- red & medium intensity white <input type="checkbox"/> Dual- red & high intensity white <input checked="" type="checkbox"/> Other Painted Spherical Marker Balls			
<b>LATITUDE</b> 37°20'02.90N"		<b>LONGITUDE</b> 83°08'30.02W"		<b>DATUM</b> <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> Other	
<b>NEAREST KENTUCKY</b> City Hazard County Perry		<b>NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT</b> Wendell H. Ford Airport			
<b>SITE ELEVATION (AMSL, feet)</b> 1083		<b>TOTAL STRUCTURE HEIGHT (AGL, feet)</b> 274		<b>CURRENT (FAA aeronautical study #)</b> 2012-ASO-10502-OE	
<b>OVERALL HEIGHT (site elevation plus total structure height, feet)</b> 1357				<b>PREVIOUS (FAA aeronautical study #)</b> N/A	
<b>DISTANCE (from nearest Kentucky public use or Military airport to structure)</b> 6.7 miles from Cat. 34-35.				<b>PREVIOUS (KY aeronautical study #)</b> N/A	
<b>DIRECTION (from nearest Kentucky public use or Military airport to structure)</b> Southeast to Cat. 34-35.					
<b>DESCRIPTION OF LOCATION (Attach USGS 7.5 minute quadrangle map or an airport layout drawing with the precise site marked and any certified survey.)</b> TOPO Map is located on Page 4 of each FAA Determination					
<b>DESCRIPTION OF PROPOSAL</b> This filling is not for a structure, but is a point on a static wire where it is the highest AGL. This is a proposal for the use of painted spherical marker balls on the static wire of a span in the Bonnyman - Softshell 138kV Circuit.					
<b>FAA Form 7460-1 (Has the "Notice of Construction or Alteration" been filed with the Federal Aviation Administration?)</b> <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, when? 11/2/2012					
<b>CERTIFICATION (I hereby certify that all the above entries, made by me, are true, complete, and correct to the best of my knowledge and belief.)</b>					
<b>PENALTIES (Persons failing to comply with KRS 183.861 to 183.990 and 602 KAR 050 are liable for fines and/or imprisonment as set forth in KRS 183.990(3). Noncompliance with FAA regulations may result in further penalties.)</b>					
<b>NAME</b> Erica Cutler	<b>TITLE</b> Design Engineer	<b>SIGNATURE</b> 		<b>DATE</b> 5/9/2013	
<b>COMMISSION ACTION</b> <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved					
<b>SIGNATURE</b> 				<b>DATE</b> 6-27-13	
<input checked="" type="checkbox"/> Chairperson, KAZC <input checked="" type="checkbox"/> Administrator, KAZC					



**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
[www.transportation.ky.gov/aviation](http://www.transportation.ky.gov/aviation)  
502 564-4480

June 27, 2013

**APPROVAL OF APPLICATION**

**APPLICANT:**  
AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

**SUBJECT:** AS-097-K20-2013-074

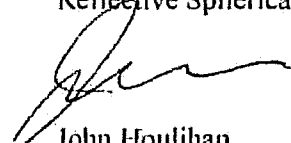
**STRUCTURE:** Power Line  
**LOCATION:** Hazard, KY  
**COORDINATES:** 37° 20' 10.52" N / 83° 8' 16.05" W  
**HEIGHT:** 215' AGL/1382' AMSL

The Kentucky Airport Zoning Commission has approved your application for a permit to construct 215' AGL/ 1382' AMSL Power Line near Hazard, KY 37° 20' 10.52" N / 83° 8' 16.05" W.

This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit.

A copy of the approved application is enclosed for your files.

Reflective Spherical Markers are required in accordance with 602 KAR 50:100.



John Houlihan  
Administrator



An Equal Opportunity Employer M/F/D



**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
www.transportation.ky.gov/aviation  
502 564-4480

**CONSTRUCTION/ALTERATION STATUS REPORT**

June 27, 2013

AERONAUTICAL STUDY NUMBER: AS-097-K20-2013-074

AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

This concerns the permit which was issued to you by the Kentucky Airport Zoning Commission on June 27, 2013. This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within the said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit. When appropriate, please indicate the status of the project in the place below and return this letter to John Houlihan, Administrator, Kentucky Airport Zoning Commission, 90 Airport Road, Bldg 400, Frankfort, KY, 40601. 502 564-4480.

STRUCTURE: Power Line  
LOCATION: Hazard, KY  
COORDINATES: 37° 20' 10.52" N / 83° 8' 16.05" W  
HEIGHT: 215' AGL / 1382' AMSL

**CONSTRUCTION/ALTERATION STATUS**

1. The project ( ) is abandoned. ( ) is not abandoned.

2. Construction status is as follows:

Structure reached its greatest height of \_\_\_\_\_ ft. AGL  
\_\_\_\_\_ ft. AMSL on \_\_\_\_\_ (date).

Date construction was completed. \_\_\_\_\_

Type of obstruction marking/painting. \_\_\_\_\_

Type of obstruction lighting. \_\_\_\_\_

As built coordinates. \_\_\_\_\_

Miscellaneous Information. \_\_\_\_\_

DATE \_\_\_\_\_

SIGNATURE/TITLE \_\_\_\_\_



An Equal Opportunity Employer M/F/D



KENTUCKY AIRPORT ZONING COMMISSION

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

<b>APPLICANT (name)</b> American Electric Power: John Edwards		<b>PHONE</b> 540-562-7118	<b>FAX</b> 540-562-7050	<b>KY AERONAUTICAL STUDY #</b> AS-097-K20-2013-074	
<b>ADDRESS (street)</b> P.O Box 2021		<b>CITY</b> Roanoke		<b>STATE</b> VA	<b>ZIP</b> 24022-2121
<b>APPLICANT'S REPRESENTATIVE (name)</b> POWER Engineers: Erica Cutler		<b>PHONE</b> 281-765-5541	<b>FAX</b> 281-765-5599		
<b>ADDRESS (street)</b> 509 North Sam Houston Pkwy East		<b>CITY</b> Houston		<b>STATE</b> TX	<b>ZIP</b> 77060
<b>APPLICATION FOR</b> <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration <input type="checkbox"/> Existing				<b>WORK SCHEDULE</b>	
<b>DURATION</b> <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary (months days )				Start 4/15/2013 End 10/16/2014	
<b>TYPE</b> <input type="checkbox"/> Crane <input type="checkbox"/> Building <input type="checkbox"/> Antenna Tower <input checked="" type="checkbox"/> Power Line <input type="checkbox"/> Water Tank <input type="checkbox"/> Landfill <input type="checkbox"/> Other		<b>MARKING/PAINTING/LIGHTING PREFERRED</b> <input type="checkbox"/> Red Lights & Paint <input type="checkbox"/> White- medium intensity <input type="checkbox"/> White- high intensity <input type="checkbox"/> Dual- red & medium intensity white <input type="checkbox"/> Dual- red & high intensity white <input checked="" type="checkbox"/> Other Painted Spherical Marker Balls			
<b>LATITUDE</b> 37°20'10.52N"		<b>LONGITUDE</b> 83°08'16.05W"		<b>DATUM</b> <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> Other	
<b>NEAREST KENTUCKY</b> City Hazard County Perry		<b>NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT</b> Wendell H. Ford Airport			
<b>SITE ELEVATION (AMSL, feet)</b> 1167		<b>TOTAL STRUCTURE HEIGHT (AGL, feet)</b> 215		<b>CURRENT (FAA aeronautical study #)</b> 2012-ASO-10503-OE	
<b>OVERALL HEIGHT (site elevation plus total structure height, feet)</b> 1382				<b>PREVIOUS (FAA aeronautical study #)</b> N/A	
<b>DISTANCE (from nearest Kentucky public use or Military airport to structure)</b> 6.9 miles from Cat. 35-36.				<b>PREVIOUS (KY aeronautical study #)</b> N/A	
<b>DIRECTION (from nearest Kentucky public use or Military airport to structure)</b> Southeast to Cat. 35-36.					
<b>DESCRIPTION OF LOCATION (Attach USGS 7.5 minute quadrangle map or an airport layout drawing with the precise site marked and any certified survey.)</b> TOPO Map is located on Page 4 of each FAA Determination					
<b>DESCRIPTION OF PROPOSAL</b> This filing is not for a structure, but is a point on a static wire where it is the highest AGL. This is a proposal for the use of painted spherical marker balls on the static wire of a span in the Bonnyman - Softshell 138kV Circuit.					
<b>FAA Form 7460-1 (Has the "Notice of Construction or Alteration" been filed with the Federal Aviation Administration?)</b> <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, when? 11/2/2012					
<b>CERTIFICATION (I hereby certify that all the above entries, made by me, are true, complete, and correct to the best of my knowledge and belief.)</b>					
<b>PENALTIES (Persons failing to comply with KRS 183.861 to 183.990 and 602 KAR 050 are liable for fines and/or imprisonment as set forth in KRS 183.990(3). Noncompliance with FAA regulations may result in further penalties.)</b>					
<b>NAME</b> Erica Cutler	<b>TITLE</b> Design Engineer	<b>SIGNATURE</b> 		<b>DATE</b> 5/9/2013	
<b>COMMISSION ACTION</b>		<input type="checkbox"/> Chairperson, KAZC <input checked="" type="checkbox"/> Administrator, KAZC			
<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved		<b>SIGNATURE</b> 		<b>DATE</b> 6-27-13	



**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
[www.transportation.ky.gov/aviation](http://www.transportation.ky.gov/aviation)  
502 564-4480

June 27, 2013

**APPROVAL OF APPLICATION**

**APPLICANT:**  
AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

**SUBJECT:** AS-097-K20-2013-075

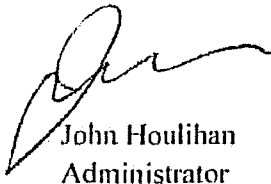
**STRUCTURE:** Power Line  
**LOCATION:** Hazard, KY  
**COORDINATES:** 37° 20' 46.95" N / 83° 7' 40.52" W  
**HEIGHT:** 318' AGL/1199' AMSL

The Kentucky Airport Zoning Commission has approved your application for a permit to construct 318'AGL/ 1199' AMSL Power Line near Hazard, KY 37° 20' 46.95" N / 83° 7' 40.52" W.

This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit.

A copy of the approved application is enclosed for your files.

Medium Dual Catenary Lighting is required in accordance with 602 KAR 50:100.



John Houlihan  
Administrator



An Equal Opportunity Employer M/F/D



**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
www.transportation.ky.gov/aviation  
502 564-4480

**CONSTRUCTION/ALTERATION STATUS REPORT**

June 27, 2013

AERONAUTICAL STUDY NUMBER: AS-097-K20-2013-075

AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

This concerns the permit which was issued to you by the Kentucky Airport Zoning Commission on June 27, 2013. This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within the said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit. When appropriate, please indicate the status of the project in the place below and return this letter to John Houlihan, Administrator, Kentucky Airport Zoning Commission, 90 Airport Road, Bldg 400, Frankfort, KY, 40601. 502 564-4480.

STRUCTURE: Power Line  
LOCATION: Hazard, KY  
COORDINATES: 37° 20' 46.95" N / 83° 7' 40.52" W  
HEIGHT: 318' AGL / 1199' AMSL

**CONSTRUCTION/ALTERATION STATUS**

1. The project ( ) is abandoned. ( ) is not abandoned.

2. Construction status is as follows:

Structure reached its greatest height of \_\_\_\_\_ ft. AGL  
\_\_\_\_\_ ft. AMSL on \_\_\_\_\_ (date).

Date construction was completed. \_\_\_\_\_

Type of obstruction marking/painting. \_\_\_\_\_

Type of obstruction lighting. \_\_\_\_\_

As built coordinates. \_\_\_\_\_

Miscellaneous Information. \_\_\_\_\_

DATE \_\_\_\_\_

SIGNATURE/TITLE \_\_\_\_\_





KENTUCKY AIRPORT ZONING COMMISSION

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

<b>APPLICANT (name)</b> American Electric Power: John Edwards		<b>PHONE</b> 540-562-7118	<b>FAX</b> 540-562-7050	<b>KY AERONAUTICAL STUDY #</b> AS-097-K20-2013-075	
<b>ADDRESS (street)</b> P.O Box 2021		<b>CITY</b> Roanoke		<b>STATE</b> VA	<b>ZIP</b> 24022-2121
<b>APPLICANT'S REPRESENTATIVE (name)</b> POWER Engineers: Erica Cutler		<b>PHONE</b> 281-765-5541	<b>FAX</b> 281-765-5599		
<b>ADDRESS (street)</b> 509 North Sam Houston Pkwy East		<b>CITY</b> Houston		<b>STATE</b> TX	<b>ZIP</b> 77060
<b>APPLICATION FOR</b> <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration <input type="checkbox"/> Existing				<b>WORK SCHEDULE</b>	
<b>DURATION</b> <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary (months days )				Start 4/15/2013 End 10/16/2014	
<b>TYPE</b> <input type="checkbox"/> Crane <input type="checkbox"/> Building <input type="checkbox"/> Antenna Tower <input checked="" type="checkbox"/> Power Line <input type="checkbox"/> Water Tank <input type="checkbox"/> Landfill <input type="checkbox"/> Other		<b>MARKING/PAINTING/LIGHTING PREFERRED</b> <input type="checkbox"/> Red Lights & Paint <input type="checkbox"/> White- medium intensity <input type="checkbox"/> White- high intensity <input type="checkbox"/> Dual- red & medium intensity white <input type="checkbox"/> Dual- red & high intensity white <input checked="" type="checkbox"/> Other Painted Spherical Marker Balls			
<b>LATITUDE</b> 37°20'46.95N"		<b>LONGITUDE</b> 83°07'40.52W"		<b>DATUM</b> <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> Other	
<b>NEAREST KENTUCKY</b> City Hazard County Perry		<b>NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT</b> Wendell H. Ford Airport			
<b>SITE ELEVATION (AMSL, feet)</b> 881		<b>TOTAL STRUCTURE HEIGHT (AGL, feet)</b> 318		<b>CURRENT (FAA aeronautical study #)</b> 2012-ASO-10504-OE	
<b>OVERALL HEIGHT (site elevation plus total structure height, feet)</b> 1199				<b>PREVIOUS (FAA aeronautical study #)</b> N/A	
<b>DISTANCE (from nearest Kentucky public use or Military airport to structure)</b> 7.1 miles from Cat. 41-42.				<b>PREVIOUS (KY aeronautical study #)</b> N/A	
<b>DIRECTION (from nearest Kentucky public use or Military airport to structure)</b> East to Cat. 41-42.					
<b>DESCRIPTION OF LOCATION (Attach USGS 7.5 minute quadrangle map or an airport layout drawing with the precise site marked and any certified survey.)</b> TOPO Map is located on Page 4 of each FAA Determination					
<b>DESCRIPTION OF PROPOSAL</b> This filing is not for a structure, but is a point on a static wire where it is the highest AGL. This is a proposal for the use of painted spherical marker balls on the static wire of a span in the Bonnyman - Softshell 138kV Circuit.					
<b>FAA Form 7460-1 (Has the "Notice of Construction or Alteration" been filed with the Federal Aviation Administration?)</b> <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, when? 11/2/2012					
<b>CERTIFICATION (I hereby certify that all the above entries, made by me, are true, complete, and correct to the best of my knowledge and belief.)</b>					
<b>PENALTIES (Persons failing to comply with KRS 183.861 to 183.990 and 602 KAR 050 are liable for fines and/or imprisonment as set forth in KRS 183.990(3). Noncompliance with FAA regulations may result in further penalties.)</b>					
<b>NAME</b> Erica Cutler	<b>TITLE</b> Design Engineer	<b>SIGNATURE</b> 		<b>DATE</b> 5/9/2013	
<b>COMMISSION ACTION</b> <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved					
<b>SIGNATURE</b> 				<b>DATE</b> 5-27-13	





**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
[www.transportation.ky.gov/aviation](http://www.transportation.ky.gov/aviation)  
502 564-4480

June 27, 2013

APPROVAL OF APPLICATION

APPLICANT:  
AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

SUBJECT: AS-097-K20-2013-076

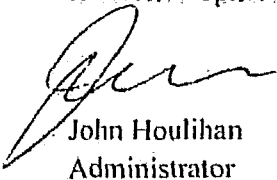
STRUCTURE: Power Line  
LOCATION: Hazard, KY  
COORDINATES: 37° 20' 55.74" N / 83° 7' 31.98" W  
HEIGHT: 248' AGL/1204' AMSL

The Kentucky Airport Zoning Commission has approved your application for a permit to construct 248' AGL/ 1204' AMSL Power Line near Hazard, KY 37° 20' 55.74" N / 83° 7' 31.98" W.

This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit.

A copy of the approved application is enclosed for your files.

Reflective Spherical Markers are required in accordance with 602 KAR 50:100.

  
John Houlihan  
Administrator



An Equal Opportunity Employer M/F/D



**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
www.transportation.ky.gov/aviation  
502 564-4480

**CONSTRUCTION/ALTERATION STATUS REPORT**

June 27, 2013

AERONAUTICAL STUDY NUMBER: AS-097-K20-2013-076

AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

This concerns the permit which was issued to you by the Kentucky Airport Zoning Commission on June 27, 2013. This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within the said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit. When appropriate, please indicate the status of the project in the place below and return this letter to John Houlihan, Administrator, Kentucky Airport Zoning Commission, 90 Airport Road, Bldg 400, Frankfort, KY, 40601. 502 564-4480.

STRUCTURE: Power Line  
LOCATION: Hazard, KY  
COORDINATES: 37° 20' 55.74" N / 83° 7' 31.98" W  
HEIGHT: 248' AGL / 1204' AMSL

**CONSTRUCTION/ALTERATION STATUS**

1. The project ( ) is abandoned. ( ) is not abandoned.

2. Construction status is as follows:

Structure reached its greatest height of \_\_\_\_\_ ft. AGL  
\_\_\_\_\_ ft. AMSL on \_\_\_\_\_ (date).

Date construction was completed. \_\_\_\_\_

Type of obstruction marking/painting. \_\_\_\_\_

Type of obstruction lighting. \_\_\_\_\_

As built coordinates. \_\_\_\_\_

Miscellaneous Information. \_\_\_\_\_

DATE \_\_\_\_\_

SIGNATURE/TITLE \_\_\_\_\_





KENTUCKY AIRPORT ZONING COMMISSION

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

<b>APPLICANT (name)</b> American Electric Power: John Edwards		<b>PHONE</b> 540-562-7118	<b>FAX</b> 540-562-7050	<b>KY AERONAUTICAL STUDY #</b> 18-097-K20-2013-076
<b>ADDRESS (street)</b> P.O. Box 2021		<b>CITY</b> Roanoke		<b>STATE</b> VA
<b>APPLICANT'S REPRESENTATIVE (name)</b> POWER Engineers: Erica Cutler		<b>PHONE</b> 281-765-5541	<b>FAX</b> 281-765-5599	<b>ZIP</b> 24022-2121
<b>ADDRESS (street)</b> 509 North Sam Houston Pkwy East		<b>CITY</b> Houston		<b>STATE</b> TX
<b>APPLICATION FOR</b> <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration <input type="checkbox"/> Existing		<b>DURATION</b> <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary (months days )		<b>WORK SCHEDULE</b> Start 4/15/2013 End 10/16/2014
<b>TYPE</b> <input type="checkbox"/> Crane <input type="checkbox"/> Building <input type="checkbox"/> Antenna Tower <input checked="" type="checkbox"/> Power Line <input type="checkbox"/> Water Tank <input type="checkbox"/> Landfill <input type="checkbox"/> Other		<b>MARKING/PAINTING/LIGHTING PREFERRED</b> <input type="checkbox"/> Red Lights & Paint <input type="checkbox"/> White- medium intensity <input type="checkbox"/> White- high intensity <input type="checkbox"/> Dual- red & medium intensity white <input type="checkbox"/> Dual- red & high intensity white <input checked="" type="checkbox"/> Other Painted Spherical Marker Balls		
<b>LATITUDE</b> 37°20'55.74N"		<b>LONGITUDE</b> 83°07'31.98W"		<b>DATUM</b> <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> Other
<b>NEAREST KENTUCKY</b> City Hazard County Perry		<b>NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT</b> Wendell H. Ford Airport		
<b>SITE ELEVATION (AMSL, feet)</b> 956		<b>TOTAL STRUCTURE HEIGHT (AGL, feet)</b> 248		<b>CURRENT (FAA aeronautical study #)</b> 2012-ASO-10505-OE
<b>OVERALL HEIGHT (site elevation plus total structure height, feet)</b> 1204		<b>PREVIOUS (FAA aeronautical study #)</b> N/A		
<b>DISTANCE (from nearest Kentucky public use or Military airport to structure)</b> 7.3 miles from Cat. 42-43.		<b>PREVIOUS (KY aeronautical study #)</b> N/A		
<b>DIRECTION (from nearest Kentucky public use or Military airport to structure)</b> East to Cat. 42-43.				
<b>DESCRIPTION OF LOCATION (Attach USGS 7.5 minute quadrangle map or an airport layout drawing with the precise site marked and any certified survey.)</b> TOPO Map is located on Page 4 of each FAA Determination				
<b>DESCRIPTION OF PROPOSAL</b> This filing is not for a structure, but is a point on a static wire where it is the highest AGL. This is a proposal for the use of painted spherical marker balls on the static wire of a span in the Bonnyman - Softshell 138kV Circuit.				
<b>FAA Form 7460-1 (Has the "Notice of Construction or Alteration" been filed with the Federal Aviation Administration?)</b> <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, when? 11/2/2012				
<b>CERTIFICATION (I hereby certify that all the above entries, made by me, are true, complete, and correct to the best of my knowledge and belief.)</b>				
<b>PENALTIES (Persons failing to comply with KRS 183.861 to 183.990 and 602 KAR 050 are liable for fines and/or imprisonment as set forth in KRS 183.990(3). Noncompliance with FAA regulations may result in further penalties.)</b>				
<b>NAME</b> Erica Cutler	<b>TITLE</b> Design Engineer	<b>SIGNATURE</b> 	<b>DATE</b> 5/9/2013	
<b>COMMISSION ACTION</b>		<input type="checkbox"/> Chairperson, KAZC <input checked="" type="checkbox"/> Administrator, KAZC		
<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved		<b>SIGNATURE</b> 		<b>DATE</b> 6-27-13



## KENTUCKY AIRPORT ZONING COMMISSION

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
[www.transportation.ky.gov/aviation](http://www.transportation.ky.gov/aviation)  
502 564-4480

June 27, 2013

### APPROVAL OF APPLICATION

APPLICANT:  
AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

SUBJECT: AS-060-K20-2013-077


STRUCTURE: Power Line  
LOCATION: Hindman, KY  
COORDINATES: 37° 21' 57.92" N / 83° 6' 17.47" W  
HEIGHT: 349' AGL/1304' AMSL

The Kentucky Airport Zoning Commission has approved your application for a permit to construct 349' AGL/ 1304' AMSL Power Line near Hindman, KY 37° 21' 57.92" N / 83° 6' 17.47" W.

This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit.

A copy of the approved application is enclosed for your files.

Medium Dual Catenary Lighting is required in accordance with 602 KAR 50:100.

  
John Houlihan  
Administrator



An Equal Opportunity Employer M/F/D



**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
www.transportation.ky.gov/aviation  
502 564-4480

**CONSTRUCTION/ALTERATION STATUS REPORT**

June 27, 2013

AERONAUTICAL STUDY NUMBER: AS-060-K20-2013-077

AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

This concerns the permit which was issued to you by the Kentucky Airport Zoning Commission on June 27, 2013. This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within the said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit. When appropriate, please indicate the status of the project in the place below and return this letter to John Houlihan, Administrator, Kentucky Airport Zoning Commission, 90 Airport Road, Bldg 400, Frankfort, KY, 40601. 502 564-4480.

STRUCTURE: Power Line  
LOCATION: Hindman, KY  
COORDINATES: 37° 21' 57.92" N / 83° 6' 17.47" W  
HEIGHT: 349' AGL / 1304' AMSL

**CONSTRUCTION/ALTERATION STATUS**

- 1. The project ( ) is abandoned. ( ) is not abandoned.
- 2. Construction status is as follows:  
 Structure reached its greatest height of \_\_\_\_\_ ft. AGL  
 \_\_\_\_\_ ft. AMSL on \_\_\_\_\_ (date).  
 Date construction was completed. \_\_\_\_\_  
 Type of obstruction marking/painting. \_\_\_\_\_  
 Type of obstruction lighting. \_\_\_\_\_  
 As built coordinates. \_\_\_\_\_  
 Miscellaneous Information. \_\_\_\_\_  
 DATE \_\_\_\_\_  
 SIGNATURE/TITLE \_\_\_\_\_





KENTUCKY TRANSPORTATION CABINET

TC 56-50  
Rev. 07/2010  
Page 2 of 2

KENTUCKY AIRPORT ZONING COMMISSION

**APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE**

<b>APPLICANT (name)</b> American Electric Power: John Edwards		<b>PHONE</b> 540-562-7118	<b>FAX</b> 540-562-7050	<b>KY AERONAUTICAL STUDY #</b> AS-060-K20-2013-077
<b>ADDRESS (street)</b> P.O. Box 2021		<b>CITY</b> Roanoke		<b>STATE</b> VA
<b>ZIP</b> 24022-2121				
<b>APPLICANT'S REPRESENTATIVE (name)</b> POWER Engineers: Erica Cutler		<b>PHONE</b> 281-765-5541	<b>FAX</b> 281-765-5599	
<b>ADDRESS (street)</b> 509 North Sam Houston Pkwy East		<b>CITY</b> Houston		<b>STATE</b> TX
<b>ZIP</b> 77060				
<b>APPLICATION FOR</b> <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration <input type="checkbox"/> Existing				<b>WORK SCHEDULE</b>
<b>DURATION</b> <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary (months days )				Start 4/15/2013 End 10/16/2014
<b>TYPE</b> <input type="checkbox"/> Crane <input type="checkbox"/> Building <input type="checkbox"/> Antenna Tower <input checked="" type="checkbox"/> Power Line <input type="checkbox"/> Water Tank <input type="checkbox"/> Landfill <input type="checkbox"/> Other		<b>MARKING/PAINTING/LIGHTING PREFERRED</b> <input type="checkbox"/> Red Lights & Paint <input type="checkbox"/> White- medium Intensity <input type="checkbox"/> White- high intensity <input type="checkbox"/> Dual- red & medium Intensity white <input type="checkbox"/> Dual- red & high intensity white <input checked="" type="checkbox"/> Other Painted Spherical Marker Balls		
<b>LATITUDE</b> 37°21'57.92N"		<b>LONGITUDE</b> 83°06'17.47W"		<b>DATUM</b> <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> Other
<b>NEAREST KENTUCKY</b> City Hindman County Knott		<b>NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT</b> Wendell H. Ford Airport		
<b>SITE ELEVATION (AMSL, feet)</b> 955		<b>TOTAL STRUCTURE HEIGHT (AGL, feet)</b> 349		<b>CURRENT (FAA aeronautical study #)</b> 2012-ASO-10506-OE
<b>OVERALL HEIGHT (site elevation plus total structure height, feet)</b> 1304		<b>PREVIOUS (FAA aeronautical study #)</b> N/A		
<b>DISTANCE (from nearest Kentucky public use or Military airport to structure)</b> 8.1 miles from Cat. 52-53.		<b>PREVIOUS (KY aeronautical study #)</b> N/A		
<b>DIRECTION (from nearest Kentucky public use or Military airport to structure)</b> East to Cat. 52-53.				
<b>DESCRIPTION OF LOCATION (Attach USGS 7.5 minute quadrangle map or an airport layout drawing with the precise site marked and any certified survey.)</b> TOPO Map is located on Page 4 of each FAA Determination				
<b>DESCRIPTION OF PROPOSAL</b> This filing is not for a structure, but is a point on a static wire where it is the highest AGL. This is a proposal for the use of painted spherical marker balls on the static wire of a span in the Bonnyman - Softshell 138kV Circuit.				
<b>FAA Form 7460-1 (Has the "Notice of Construction or Alteration" been filed with the Federal Aviation Administration?)</b> <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, when? 11/2/2012				
<b>CERTIFICATION (I hereby certify that all the above entries, made by me, are true, complete, and correct to the best of my knowledge and belief.)</b>				
<b>PENALTIES (Persons falling to comply with KRS 183.861 to 183.990 and 602 KAR 050 are liable for fines and/or imprisonment as set forth in KRS 183.990(3). Noncompliance with FAA regulations may result in further penalties.)</b>				
<b>NAME</b> Erica Cutler	<b>TITLE</b> Design Engineer	<b>SIGNATURE</b> 		<b>DATE</b> 5/9/2013
<b>COMMISSION ACTION</b>		<input type="checkbox"/> Chairperson, KAZC <input checked="" type="checkbox"/> Administrator, KAZC		
<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved		<b>SIGNATURE</b> 		<b>DATE</b> 6-27-13



**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
[www.transportation.ky.gov/aviation](http://www.transportation.ky.gov/aviation)  
502 564-4480

June 27, 2013

APPROVAL OF APPLICATION

APPLICANT:  
AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

SUBJECT: AS-060-K20-2013-078

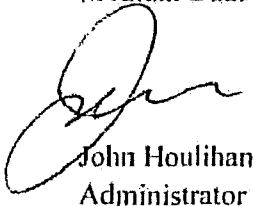
STRUCTURE: Power Line  
LOCATION: Hindman, KY  
COORDINATES: 37° 22' 4.12" N / 83° 5' 17.66" W  
HEIGHT: 316' AGL/1280' AMSL

The Kentucky Airport Zoning Commission has approved your application for a permit to construct 316' AGL/ 1280' AMSL Power Line near Hindman, KY 37° 22' 4.12" N / 83° 5' 17.66" W.

This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit.

A copy of the approved application is enclosed for your files.

Medium Dual Catenary Lighting is required in accordance with 602 KAR 50:100.



John Houlihan  
Administrator



An Equal Opportunity Employer M/F/D



**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
www.transportation.ky.gov/aviation  
502 564-4480

**CONSTRUCTION/ALTERATION STATUS REPORT**

June 27, 2013

AERONAUTICAL STUDY NUMBER: AS-060-K20-2013-078

AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

This concerns the permit which was issued to you by the Kentucky Airport Zoning Commission on June 27, 2013. This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within the said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit. When appropriate, please indicate the status of the project in the place below and return this letter to John Houlihan, Administrator, Kentucky Airport Zoning Commission, 90 Airport Road, Bldg 400, Frankfort, KY, 40601. 502 564-4480.

STRUCTURE: Power Line  
LOCATION: Hindman, KY  
COORDINATES: 37° 22' 4.12" N / 83° 5' 17.66" W  
HEIGHT: 316' AGL /1280' AMSL

**CONSTRUCTION/ALTERATION STATUS**

1. The project ( ) is abandoned. ( ) is not abandoned.

2. Construction status is as follows:

Structure reached its greatest height of \_\_\_\_\_ ft. AGL  
\_\_\_\_\_ ft. AMSL on \_\_\_\_\_ (date).

Date construction was completed. \_\_\_\_\_

Type of obstruction marking/painting. \_\_\_\_\_

Type of obstruction lighting. \_\_\_\_\_

As built coordinates. \_\_\_\_\_

Miscellaneous Information. \_\_\_\_\_

DATE \_\_\_\_\_

SIGNATURE/TITLE \_\_\_\_\_



An Equal Opportunity Employer M/F/D





KENTUCKY AIRPORT ZONING COMMISSION

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

<b>APPLICANT (name)</b> American Electric Power; John Edwards		<b>PHONE</b> 540-562-7118	<b>FAX</b> 540-562-7050	<b>KY AERONAUTICAL STUDY #</b> AS-060-K20-2013-078	
<b>ADDRESS (street)</b> P.O Box 2021		<b>CITY</b> Roanoke		<b>STATE</b> VA	<b>ZIP</b> 24022-2121
<b>APPLICANT'S REPRESENTATIVE (name)</b> POWER Engineers; Erica Cutler		<b>PHONE</b> 281-765-5541	<b>FAX</b> 281-765-5599		
<b>ADDRESS (street)</b> 509 North Sam Houston Pkwy East		<b>CITY</b> Houston		<b>STATE</b> TX	<b>ZIP</b> 77060
<b>APPLICATION FOR</b> <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration <input type="checkbox"/> Existing				<b>WORK SCHEDULE</b>	
<b>DURATION</b> <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary (months days )				Start 4/15/2013 End 10/16/2014	
<b>TYPE</b> <input type="checkbox"/> Crane <input type="checkbox"/> Building <input type="checkbox"/> Antenna Tower <input checked="" type="checkbox"/> Power Line <input type="checkbox"/> Water Tank <input type="checkbox"/> Landfill <input type="checkbox"/> Other		<b>MARKING/PAINTING/LIGHTING PREFERRED</b> <input type="checkbox"/> Red Lights & Paint <input type="checkbox"/> White- medium intensity <input type="checkbox"/> White- high intensity <input type="checkbox"/> Dual- red & medium intensity white <input type="checkbox"/> Dual- red & high intensity white <input checked="" type="checkbox"/> Other Painted Spherical Marker Balls			
<b>LATITUDE</b> 37°22'04.12N"		<b>LONGITUDE</b> 83°05'17.66W"		<b>DATUM</b> <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> Other	
<b>NEAREST KENTUCKY</b> City Hindman County Knott		<b>NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT</b> Wendell H. Ford Airport			
<b>SITE ELEVATION (AMSL, feet)</b> 964		<b>TOTAL STRUCTURE HEIGHT (AGL, feet)</b> 316		<b>CURRENT (FAA aeronautical study #)</b> 2012-ASO-10507-OE	
<b>OVERALL HEIGHT (site elevation plus total structure height, feet)</b> 1280				<b>PREVIOUS (FAA aeronautical study #)</b> N/A	
<b>DISTANCE (from nearest Kentucky public use or Military airport to structure)</b> 8.9 miles from Cat. 57-58.				<b>PREVIOUS (KY aeronautical study #)</b> N/A	
<b>DIRECTION (from nearest Kentucky public use or Military airport to structure)</b> East to Cat. 57-58.					
<b>DESCRIPTION OF LOCATION (Attach USGS 7.5 minute quadrangle map or an airport layout drawing with the precise site marked and any certified survey.)</b> TOPO Map is located on Page 4 of each FAA Determination					
<b>DESCRIPTION OF PROPOSAL</b> This filing is not for a structure, but is a point on a static wire where it is the highest AGL. This is a proposal for the use of painted spherical marker balls on the static wire of a span in the Bonnyman - Softshell 138kV Circuit.					
<b>FAA Form 7460-1 (Has the "Notice of Construction or Alteration" been filed with the Federal Aviation Administration?)</b> <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, when? 11/2/2012					
<b>CERTIFICATION (I hereby certify that all the above entries, made by me, are true, complete, and correct to the best of my knowledge and belief.)</b>					
<b>PENALTIES (Persons failing to comply with KRS 183.861 to 183.990 and 602 KAR 050 are liable for fines and/or Imprisonment as set forth in KRS 183.990(3). Noncompliance with FAA regulations may result in further penalties.)</b>					
<b>NAME</b> Erica Cutler	<b>TITLE</b> Design Engineer	<b>SIGNATURE</b> 		<b>DATE</b> 5/9/2013	
<b>COMMISSION ACTION</b> <input type="checkbox"/> Chairperson, KAZC <input checked="" type="checkbox"/> Administrator, KAZC					
<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved		<b>SIGNATURE</b> 		<b>DATE</b> 6-27-13	



**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
[www.transportation.ky.gov/aviation](http://www.transportation.ky.gov/aviation)  
502 564-4480

June 28, 2013

APPROVAL OF APPLICATION

APPLICANT:  
AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

SUBJECT: AS-060-K20-2013-079

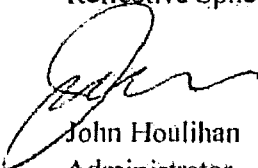
STRUCTURE: Power Line  
LOCATION: Hindman, KY  
COORDINATES: 37° 22' 6.40" N / 83° 4' 31.60" W  
HEIGHT: 212' AGL/1421'AMSL

The Kentucky Airport Zoning Commission has approved your application for a permit to construct 212' AGL/ 1421' AMSL Power Line near Hindman, KY 37° 22' 6.40" N / 83° 4' 31.60" W.

This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit.

A copy of the approved application is enclosed for your files.

Reflective Spherical Markers are required in accordance with 602 KAR 50:100.

  
John Houlihan  
Administrator



An Equal Opportunity Employer M/F/D



**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
www.transportation.ky.gov/aviation  
502 564-4480

**CONSTRUCTION/ALTERATION STATUS REPORT**

June 28, 2013

AERONAUTICAL STUDY NUMBER: AS-060-K20-2013-079

AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

This concerns the permit which was issued to you by the Kentucky Airport Zoning Commission on June 28, 2013. This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within the said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit. When appropriate, please indicate the status of the project in the place below and return this letter to John Houlihan, Administrator, Kentucky Airport Zoning Commission, 90 Airport Road, Bldg 400, Frankfort, KY, 40601. 502 564-4480.

STRUCTURE: Power Line  
LOCATION: Hindman, KY  
COORDINATES: 37° 22' 6.40" N / 83° 4' 31.60" W  
HEIGHT: 212' AGL / 1421' AMSL

**CONSTRUCTION/ALTERATION STATUS**

1. The project ( ) is abandoned. ( ) is not abandoned.

2. Construction status is as follows:

Structure reached its greatest height of \_\_\_\_\_ ft. AGL  
\_\_\_\_\_ ft. AMSL on \_\_\_\_\_ (date).

Date construction was completed. \_\_\_\_\_

Type of obstruction marking/painting. \_\_\_\_\_

Type of obstruction lighting. \_\_\_\_\_

As built coordinates. \_\_\_\_\_

Miscellaneous Information. \_\_\_\_\_

DATE \_\_\_\_\_

SIGNATURE/TITLE \_\_\_\_\_



An Equal Opportunity Employer M/F/D



KENTUCKY AIRPORT ZONING COMMISSION

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

<b>APPLICANT (name)</b> American Electric Power: John Edwards		<b>PHONE</b> 540-562-7118	<b>FAX</b> 540-562-7050	<b>KY AERONAUTICAL STUDY #</b> AS-060-K20-2013-079	
<b>ADDRESS (street)</b> P.O Box 2021		<b>CITY</b> Roanoke		<b>STATE</b> VA	<b>ZIP</b> 24022-2121
<b>APPLICANT'S REPRESENTATIVE (name)</b> POWER Engineers: Erica Cutler		<b>PHONE</b> 281-765-5541	<b>FAX</b> 281-765-5599		
<b>ADDRESS (street)</b> 509 North Sam Houston Pkwy East		<b>CITY</b> Houston		<b>STATE</b> TX	<b>ZIP</b> 77060
<b>APPLICATION FOR</b> <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration <input type="checkbox"/> Existing				<b>WORK SCHEDULE</b>	
<b>DURATION</b> <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary (months days )				Start 4/15/2013 End 10/16/2014	
<b>TYPE</b> <input type="checkbox"/> Crane <input type="checkbox"/> Building <input type="checkbox"/> Antenna Tower <input checked="" type="checkbox"/> Power Line <input type="checkbox"/> Water Tank <input type="checkbox"/> Landfill <input type="checkbox"/> Other		<b>MARKING/PAINTING/LIGHTING PREFERRED</b> <input type="checkbox"/> Red Lights & Paint <input type="checkbox"/> White- medium intensity <input type="checkbox"/> White- high intensity <input type="checkbox"/> Dual- red & medium intensity white <input type="checkbox"/> Dual- red & high intensity white <input checked="" type="checkbox"/> Other Painted Spherical Marker Balls			
<b>LATITUDE</b> 37°22'06.40N"		<b>LONGITUDE</b> 83°04'31.60W"		<b>DATUM</b> <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> Other	
<b>NEAREST KENTUCKY</b> City Hindman County Knott		<b>NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT</b> Wendell H. Ford Airport			
<b>SITE ELEVATION (AMSL, feet)</b> 1209		<b>TOTAL STRUCTURE HEIGHT (AGL, feet)</b> 212		<b>CURRENT (FAA aeronautical study #)</b> 2012-ASO-10508-OE	
<b>OVERALL HEIGHT (site elevation plus total structure height, feet)</b> 1421				<b>PREVIOUS (FAA aeronautical study #)</b> N/A	
<b>DISTANCE (from nearest Kentucky public use or Military airport to structure)</b> 9.7 miles from Cat. 61-62.				<b>PREVIOUS (KY aeronautical study #)</b> N/A	
<b>DIRECTION (from nearest Kentucky public use or Military airport to structure)</b> East to Cat. 61-62.					
<b>DESCRIPTION OF LOCATION (Attach USGS 7.5 minute quadrangle map or an airport layout drawing with the precise site marked and any certified survey.)</b> TOPO Map is located on Page 4 of each FAA Determination					
<b>DESCRIPTION OF PROPOSAL</b> This filing is not for a structure, but is a point on a static wire where it is the highest AGL. This is a proposal for the use of painted spherical marker balls on the static wire of a span in the Bonnyman - Softshell 138kV Circuit.					
<b>FAA Form 7460-1 (Has the "Notice of Construction or Alteration" been filed with the Federal Aviation Administration?)</b> <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, when? 11/2/2012					
<b>CERTIFICATION (I hereby certify that all the above entries, made by me, are true, complete, and correct to the best of my knowledge and belief.)</b>					
<b>PENALTIES (Persons failing to comply with KRS 183.861 to 183.990 and 602 KAR 050 are liable for fines and/or imprisonment as set forth in KRS 183.990(3). Noncompliance with FAA regulations may result in further penalties.)</b>					
<b>NAME</b> Erica Cutler	<b>TITLE</b> Design Engineer	<b>SIGNATURE</b> 		<b>DATE</b> 5/9/2013	
<b>COMMISSION ACTION</b> <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved					
<b>SIGNATURE</b> 		<b>DATE</b> 6.28.13			



**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
www.transportation.ky.gov/aviation  
502 564-4480

June 27, 2013

APPROVAL OF APPLICATION

APPLICANT:  
AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

SUBJECT: AS-060-K20-2013-080

STRUCTURE: Power Line  
LOCATION: Hindman, KY  
COORDINATES: 37° 22' 11.46" N / 83° 4' 16.19" W  
HEIGHT: 303' AGL/1355' AMSL

The Kentucky Airport Zoning Commission has approved your application for a permit to construct 303' AGL/ 1355' AMSL Power Line near Hindman, KY 37° 22' 11.46" N / 83° 4' 16.19" W.

This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit.

A copy of the approved application is enclosed for your files.

Medium Dual Catenary Lighting is required in accordance with 602 KAR 50:100;

John Houlihan  
Administrator



An Equal Opportunity Employer M/F/D



**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
www.transportation.ky.gov/aviation  
502 564-4480.

**CONSTRUCTION/ALTERATION STATUS REPORT**

June 27, 2013

AERONAUTICAL STUDY NUMBER: AS-060-K20-2013-080

AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

This concerns the permit which was issued to you by the Kentucky Airport Zoning Commission on June 27, 2013. This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within the said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit. When appropriate, please indicate the status of the project in the place below and return this letter to John Houlihan, Administrator, Kentucky Airport Zoning Commission, 90 Airport Road, Bldg 400, Frankfort, KY, 40601. 502 564-4480.

STRUCTURE: Power Line  
LOCATION: Hindman, KY  
COORDINATES: 37° 22' 11.46" N / 83° 4' 16.19" W  
HEIGHT: 303' AGL /1355' AMSL

**CONSTRUCTION/ALTERATION STATUS**

1. The project ( ) is abandoned. ( ) is not abandoned.

2. Construction status is as follows:

Structure reached its greatest height of \_\_\_\_\_ ft. AGL  
\_\_\_\_\_ ft. AMSL on \_\_\_\_\_ (date).

Date construction was completed. \_\_\_\_\_

Type of obstruction marking/painting. \_\_\_\_\_

Type of obstruction lighting. \_\_\_\_\_

As built coordinates. \_\_\_\_\_

Miscellaneous Information. \_\_\_\_\_

DATE \_\_\_\_\_

SIGNATURE/TITLE \_\_\_\_\_



An Equal Opportunity Employer M/F/D



KENTUCKY AIRPORT ZONING COMMISSION

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

APPLICANT (name) American Electric Power: John Edwards		PHONE 540-562-7118	FAX 540-562-7050	KY AERONAUTICAL STUDY # 15-060-KZC-2013-080	
ADDRESS (street) P.O Box 2021		CITY Roanoke		STATE VA	ZIP 24022-2121
APPLICANT'S REPRESENTATIVE (name) POWER Engineers: Erica Cutler		PHONE 281-765-5541	FAX 281-765-5599		
ADDRESS (street) 509 North Sam Houston Pkwy East		CITY Houston		STATE TX	ZIP 77060
APPLICATION FOR <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration <input type="checkbox"/> Existing				WORK SCHEDULE	
DURATION <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary (months days )				Start 4/15/2013 End 10/16/2014	
TYPE <input type="checkbox"/> Crane <input type="checkbox"/> Building <input type="checkbox"/> Antenna Tower <input checked="" type="checkbox"/> Power Line <input type="checkbox"/> Water Tank <input type="checkbox"/> Landfill <input type="checkbox"/> Other		MARKING/PAINTING/LIGHTING PREFERRED <input type="checkbox"/> Red Lights & Paint <input type="checkbox"/> White- medium intensity <input type="checkbox"/> White- high intensity <input type="checkbox"/> Dual- red & medium intensity white <input type="checkbox"/> Dual- red & high intensity white <input checked="" type="checkbox"/> Other Painted Spherical Marker Balls			
LATITUDE 37°22'11.46N"		LONGITUDE 83°04'16.19W"		DATUM <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> Other	
NEAREST KENTUCKY City Hindman County Knott		NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT Wendell H. Ford Airport			
SITE ELEVATION (AMSL, feet) 1052		TOTAL STRUCTURE HEIGHT (AGL, feet) 303		CURRENT (FAA aeronautical study #) 2012-ASO-10509-OE	
OVERALL HEIGHT (site elevation plus total structure height, feet) 1355				PREVIOUS (FAA aeronautical study #) N/A	
DISTANCE (from nearest Kentucky public use or Military airport to structure) 9.9 miles from Cat. 62-63.				PREVIOUS (KY aeronautical study #) N/A	
DIRECTION (from nearest Kentucky public use or Military airport to structure) East to Cat. 62-63.					
DESCRIPTION OF LOCATION (Attach USGS 7.5 minute quadrangle map or an airport layout drawing with the precise site marked and any certified survey.) TOPO Map is located on Page 4 of each FAA Determination					
DESCRIPTION OF PROPOSAL This filing is not for a structure, but is a point on a static wire where it is the highest AGL. This is a proposal for the use of painted spherical marker balls on the static wire of a span in the Bonnyman - Softshell 138kV Circuit.					
FAA Form 7460-1 (Has the "Notice of Construction or Alteration" been filed with the Federal Aviation Administration?) <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, when? 11/2/2012					
CERTIFICATION (I hereby certify that all the above entries, made by me, are true, complete, and correct to the best of my knowledge and belief.)					
PENALTIES (Persons failing to comply with KRS 183.861 to 183.990 and 602 KAR 050 are liable for fines and/or imprisonment as set forth in KRS 183.990(3). Noncompliance with FAA regulations may result in further penalties.)					
NAME Erica Cutler	TITLE Design Engineer	SIGNATURE 		DATE 5/9/2013	
COMMISSION ACTION <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved					
SIGNATURE 				DATE 6-27-13	
<input checked="" type="checkbox"/> Chairperson, KAZC <input checked="" type="checkbox"/> Administrator, KAZC					



**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
[www.transportation.ky.gov/aviation](http://www.transportation.ky.gov/aviation)  
502 564-4480

June 28, 2013

APPROVAL OF APPLICATION

APPLICANT:  
AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

SUBJECT: AS-060-K20-2013-081

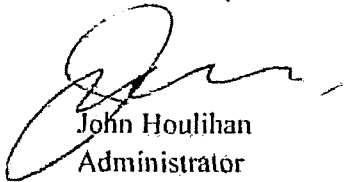
STRUCTURE: Power Line  
LOCATION: Hindman, KY  
COORDINATES: 37° 22' 21.72" N / 83° 3' 52.70" W  
HEIGHT: 237' AGL/1328' AMSL

The Kentucky Airport Zoning Commission has approved your application for a permit to construct 237' AGL/ 1328' AMSL Power Line near Hindman, KY 37° 22' 21.72" N / 83° 3' 52.70" W.

This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit.

A copy of the approved application is enclosed for your files.

Reflective Spherical Markers are required in accordance with 602 KAR 50:100.

  
John Houlihan  
Administrator



An Equal Opportunity Employer M/F/D





**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
www.transportation.ky.gov/aviation  
502 564-4480

**CONSTRUCTION/ALTERATION STATUS REPORT**

June 28, 2013

AERONAUTICAL STUDY NUMBER: AS-060-K20-2013-081

AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

This concerns the permit which was issued to you by the Kentucky Airport Zoning Commission on June 28, 2013. This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within the said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit. When appropriate, please indicate the status of the project in the place below and return this letter to John Houlihan, Administrator, Kentucky Airport Zoning Commission, 90 Airport Road, Bldg 400, Frankfort, KY, 40601. 502 564-4480,

STRUCTURE: Power Line  
LOCATION: Hindman, KY  
COORDINATES: 37° 22' 21.72" N / 83° 3' 52.70" W  
HEIGHT: 237' AGL / 1328' AMSL

**CONSTRUCTION/ALTERATION STATUS**

1. The project ( ) is abandoned. ( ) is not abandoned.

2. Construction status is as follows:

Structure reached its greatest height of \_\_\_\_\_ ft. AGL  
\_\_\_\_\_ ft. AMSL on \_\_\_\_\_ (date).

Date construction was completed. \_\_\_\_\_

Type of obstruction marking/painting. \_\_\_\_\_

Type of obstruction lighting. \_\_\_\_\_

As built coordinates. \_\_\_\_\_

Miscellaneous Information. \_\_\_\_\_

DATE \_\_\_\_\_

SIGNATURE/TITLE \_\_\_\_\_





KENTUCKY AIRPORT ZONING COMMISSION

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

<b>APPLICANT (name)</b> American Electric Power: John Edwards		<b>PHONE</b> 540-562-7118	<b>FAX</b> 540-562-7050	<b>KY AERONAUTICAL STUDY #</b> AS-060-1020-2013-081	
<b>ADDRESS (street)</b> P.O Box 2021		<b>CITY</b> Roanoke		<b>STATE</b> VA	<b>ZIP</b> 24022-2121
<b>APPLICANT'S REPRESENTATIVE (name)</b> POWER Engineers: Erica Cutler		<b>PHONE</b> 281-765-5541	<b>FAX</b> 281-765-5599		
<b>ADDRESS (street)</b> 509 North Sam Houston Pkwy East		<b>CITY</b> Houston		<b>STATE</b> TX	<b>ZIP</b> 77060
<b>APPLICATION FOR</b> <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration <input type="checkbox"/> Existing				<b>WORK SCHEDULE</b>	
<b>DURATION</b> <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary (months days )				Start 4/15/2013 End 10/16/2014	
<b>TYPE</b> <input type="checkbox"/> Crane <input type="checkbox"/> Building <input type="checkbox"/> Antenna Tower <input checked="" type="checkbox"/> Power Line <input type="checkbox"/> Water Tank <input type="checkbox"/> Landfill <input type="checkbox"/> Other		<b>MARKING/PAINTING/LIGHTING PREFERRED</b> <input type="checkbox"/> Red Lights & Paint <input type="checkbox"/> White- medium intensity <input type="checkbox"/> White- high intensity <input type="checkbox"/> Dual- red & medium intensity white <input type="checkbox"/> Dual- red & high intensity white <input checked="" type="checkbox"/> Other Painted Spherical Marker Balls			
<b>LATITUDE</b> 37°22'21.72N"		<b>LONGITUDE</b> 83°03'52.70W"		<b>DATUM</b> <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> Other	
<b>NEAREST KENTUCKY</b> City Hindman County Knott		<b>NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT</b> Wendell H. Ford Airport			
<b>SITE ELEVATION (AMSL, feet)</b> 1091		<b>TOTAL STRUCTURE HEIGHT (AGL, feet)</b> 237		<b>CURRENT (FAA aeronautical study #)</b> 2012-ASO-10510-OE	
<b>OVERALL HEIGHT (site elevation plus total structure height, feet)</b> 1328				<b>PREVIOUS (FAA aeronautical study #)</b> N/A	
<b>DISTANCE (from nearest Kentucky public use or Military airport to structure)</b> 10.3 miles from Cat. 64-65.				<b>PREVIOUS (KY aeronautical study #)</b> N/A	
<b>DIRECTION (from nearest Kentucky public use or Military airport to structure)</b> East to Cat. 64-65.					
<b>DESCRIPTION OF LOCATION (Attach USGS 7.5 minute quadrangle map or an airport layout drawing with the precise site marked and any certified survey.)</b> TOPO Map is located on Page 4 of each FAA Determination					
<b>DESCRIPTION OF PROPOSAL</b> This filing is not for a structure, but is a point on a static wire where it is the highest AGL. This is a proposal for the use of painted spherical marker balls on the static wire of a span in the Bonnyman - Softshell 138kV Circuit.					
<b>FAA Form 7460-1 (Has the "Notice of Construction or Alteration" been filed with the Federal Aviation Administration?)</b> <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, when? 11/2/2012					
<b>CERTIFICATION (I hereby certify that all the above entries, made by me, are true, complete, and correct to the best of my knowledge and belief.)</b>					
<b>PENALTIES (Persons failing to comply with KRS 183.861 to 183.990 and 602 KAR 050 are liable for fines and/or imprisonment as set forth in KRS 183.990(3). Noncompliance with FAA regulations may result in further penalties.)</b>					
<b>NAME</b> Erica Cutler	<b>TITLE</b> Design Engineer	<b>SIGNATURE</b> 		<b>DATE</b> 5/9/2013	
<b>COMMISSION ACTION</b>		<input type="checkbox"/> Chairperson, KAZC <input checked="" type="checkbox"/> Administrator, KAZC			
<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved		<b>SIGNATURE</b> 		<b>DATE</b> 6-28-13	



**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
[www.transportation.ky.gov/aviation](http://www.transportation.ky.gov/aviation)  
502 564-4480

June 28, 2013

APPROVAL OF APPLICATION

APPLICANT:  
AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

SUBJECT: AS-060-K20-2013-082

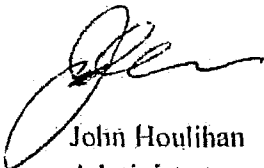
STRUCTURE: Power Line  
LOCATION: Hindman, KY  
COORDINATES: 37° 22' 39.15" N / 83° 3' 38.08" W  
HEIGHT: 201' AGL/1429' AMSL

The Kentucky Airport Zoning Commission has approved your application for a permit to construct 201' AGL/ 1429' AMSL Power Line near Hindman, KY 37° 22' 39.15" N / 83° 3' 38.08" W.

This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit.

A copy of the approved application is enclosed for your files.

Reflective Spherical Markers are required in accordance with 602 KAR 50:100.



John Houlihan  
Administrator



An Equal Opportunity Employer M/F/D



**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
www.transportation.ky.gov/aviation  
502 564-4480

**CONSTRUCTION/ALTERATION STATUS REPORT**

June 28, 2013

AERONAUTICAL STUDY NUMBER: AS-060-K20-2013-082

AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

This concerns the permit which was issued to you by the Kentucky Airport Zoning Commission on June 28, 2013. This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within the said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit. When appropriate, please indicate the status of the project in the place below and return this letter to John Houlihan, Administrator, Kentucky Airport Zoning Commission, 90 Airport Road, Bldg 400, Frankfort, KY, 40601. 502 564-4480.

STRUCTURE: Power Line  
LOCATION: Hindman, KY  
COORDINATES: 37° 22' 39.15" N / 83° 3' 38.08" W  
HEIGHT: 201' AGL / 1429' AMSL

**CONSTRUCTION/ALTERATION STATUS**

1. The project ( ) is abandoned. ( ) is not abandoned.

2. Construction status is as follows:

Structure reached its greatest height of \_\_\_\_\_ ft. AGL  
\_\_\_\_\_ ft. AMSL on \_\_\_\_\_ (date):

Date construction was completed. \_\_\_\_\_

Type of obstruction marking/painting, \_\_\_\_\_

Type of obstruction lighting, \_\_\_\_\_

As built coordinates: \_\_\_\_\_

Miscellaneous Information. \_\_\_\_\_

DATE \_\_\_\_\_

SIGNATURE/TITLE \_\_\_\_\_





KENTUCKY AIRPORT ZONING COMMISSION

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

APPLICANT (name) American Electric Power: John Edwards		PHONE 540-562-7118	FAX 540-562-7050	KY AERONAUTICAL STUDY # AS-060-K20-2013-082	
ADDRESS (street) P.O Box 2021		CITY Roanoke		STATE VA	ZIP 24022-2121
APPLICANT'S REPRESENTATIVE (name) POWER Engineers: Erica Cutler		PHONE 281-765-5541	FAX 281-765-5599		
ADDRESS (street) 509 North Sam Houston Pkwy East		CITY Houston		STATE TX	ZIP 77060
APPLICATION FOR <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration <input type="checkbox"/> Existing				WORK SCHEDULE	
DURATION <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary (months days )				Start 4/15/2013 End 10/16/2014	
TYPE <input type="checkbox"/> Crane <input type="checkbox"/> Building <input type="checkbox"/> Antenna Tower <input checked="" type="checkbox"/> Power Line <input type="checkbox"/> Water Tank <input type="checkbox"/> Landfill <input type="checkbox"/> Other		MARKING/PAINTING/LIGHTING PREFERRED <input type="checkbox"/> Red Lights & Paint <input type="checkbox"/> White- medium Intensity <input type="checkbox"/> White- high Intensity <input type="checkbox"/> Dual- red & medium intensity white <input type="checkbox"/> Dual- red & high Intensity white <input checked="" type="checkbox"/> Other Painted Spherical Marker Balls			
LATITUDE 37°22'39.15N"		LONGITUDE 83°03'38.08W"		DATUM <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> Other	
NEAREST KENTUCKY City Hindman County Knott		NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT Wendell H. Ford Airport			
SITE ELEVATION (AMSL, feet) 1228		TOTAL STRUCTURE HEIGHT (AGL, feet) 201		CURRENT (FAA aeronautical study #) 2012-ASO-10511-OE	
OVERALL HEIGHT (site elevation plus total structure height, feet) 1429				PREVIOUS (FAA aeronautical study #) N/A	
DISTANCE (from nearest Kentucky public use or Military airport to structure) 10.6 miles from Cat. 68-69.				PREVIOUS (KY aeronautical study #) N/A	
DIRECTION (from nearest Kentucky public use or Military airport to structure) East to Cat. 68-69.					
DESCRIPTION OF LOCATION (Attach USGS 7.5 minute quadrangle map or an airport layout drawing with the precise site marked and any certified survey.) TOPO Map is located on Page 4 of each FAA Determination					
DESCRIPTION OF PROPOSAL This filing is not for a structure, but is a point on a static wire where it is the highest AGL. This is a proposal for the use of painted spherical marker balls on the static wire of a span in the Bonnyman - Softshell 138kV Circuit.					
FAA Form 7460-1 (Has the "Notice of Construction or Alteration" been filed with the Federal Aviation Administration?) <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, when? 11/2/2012					
CERTIFICATION (I hereby certify that all the above entries, made by me, are true, complete, and correct to the best of my knowledge and belief.)					
PENALTIES (Persons failing to comply with KRS 183.861 to 183.990 and 602 KAR 050 are liable for fines and/or imprisonment as set forth in KRS 183.990(3). Noncompliance with FAA regulations may result in further penalties.)					
NAME Erica Cutler	TITLE Design Engineer	SIGNATURE 		DATE 5/9/2013	
COMMISSION ACTION		<input type="checkbox"/> Chairperson, KAZC <input checked="" type="checkbox"/> Administrator, KAZC			
<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved		SIGNATURE 		DATE 6-28-13	



## KENTUCKY AIRPORT ZONING COMMISSION

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
[www.transportation.ky.gov/aviation](http://www.transportation.ky.gov/aviation)  
502 564-4480

June 28, 2013

### APPROVAL OF APPLICATION

APPLICANT:  
AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

SUBJECT: AS-060-K20-2013-083

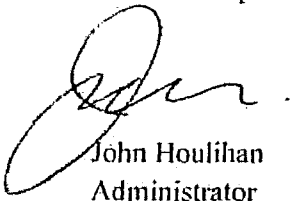
STRUCTURE: Power Line  
LOCATION: Hindman, KY  
COORDINATES: 37° 22' 45.82" N / 83° 3' 29.16" W  
HEIGHT: 255' AGL/1481' AMSL

The Kentucky Airport Zoning Commission has approved your application for a permit to construct 255' AGL/ 1481' AMSL Power Line near Hindman, KY 37° 22' 45.82" N / 83° 3' 29.16" W.

This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit.

A copy of the approved application is enclosed for your files.

Reflective Spherical Markers are required in accordance with 602 KAR 50:100.



John Houlihan  
Administrator



An Equal Opportunity Employer M/F/D



**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
www.transportation.ky.gov/aviation  
502 564-4480

**CONSTRUCTION/ALTERATION STATUS REPORT**

June 28, 2013

AERONAUTICAL STUDY NUMBER: AS-060-K20-2013-083

AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

This concerns the permit which was issued to you by the Kentucky Airport Zoning Commission on June 28, 2013. This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within the said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit. When appropriate, please indicate the status of the project in the place below and return this letter to John Houlihan, Administrator, Kentucky Airport Zoning Commission, 90 Airport Road, Bldg 400, Frankfort, KY, 40601. 502 564-4480.

STRUCTURE: Power Line  
LOCATION: Hindman, KY  
COORDINATES: 37° 22' 45.82" N / 83° 3' 29.16" W  
HEIGHT: 255' AGL / 1481' AMSL

**CONSTRUCTION/ALTERATION STATUS**

1. The project ( ) is abandoned. ( ) is not abandoned.

2. Construction status is as follows:

Structure reached its greatest height of \_\_\_\_\_ ft. AGL  
\_\_\_\_\_ ft. AMSL on \_\_\_\_\_ (date).

Date construction was completed. \_\_\_\_\_

Type of obstruction marking/painting. \_\_\_\_\_

Type of obstruction lighting. \_\_\_\_\_

As built coordinates. \_\_\_\_\_

Miscellaneous Information. \_\_\_\_\_

DATE \_\_\_\_\_

SIGNATURE/TITLE \_\_\_\_\_



An Equal Opportunity Employer M/F/D



KENTUCKY AIRPORT ZONING COMMISSION

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

<b>APPLICANT (name)</b> American Electric Power: John Edwards		<b>PHONE</b> 540-562-7118	<b>FAX</b> 540-562-7050	<b>KY AERONAUTICAL STUDY #</b> AS-060-KZC-2013-083	
<b>ADDRESS (street)</b> P.O Box 2021		<b>CITY</b> Roanoke		<b>STATE</b> VA	<b>ZIP</b> 24022-2121
<b>APPLICANT'S REPRESENTATIVE (name)</b> POWER Engineers: Erica Cutler		<b>PHONE</b> 281-765-5541	<b>FAX</b> 281-765-5599		
<b>ADDRESS (street)</b> 509 North Sam Houston Pkwy East		<b>CITY</b> Houston		<b>STATE</b> TX	<b>ZIP</b> 77060
<b>APPLICATION FOR</b> <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration <input type="checkbox"/> Existing				<b>WORK SCHEDULE</b>	
<b>DURATION</b> <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary (months days )				Start 4/15/2013 End 10/16/2014	
<b>TYPE</b> <input type="checkbox"/> Crane <input type="checkbox"/> Building <input type="checkbox"/> Antenna Tower <input checked="" type="checkbox"/> Power Line <input type="checkbox"/> Water Tank <input type="checkbox"/> Landfill <input type="checkbox"/> Other		<b>MARKING/PAINTING/LIGHTING PREFERRED</b> <input type="checkbox"/> Red Lights & Paint <input type="checkbox"/> White- medium intensity <input type="checkbox"/> White- high intensity <input type="checkbox"/> Dual- red & medium intensity white <input type="checkbox"/> Dual- red & high intensity white <input checked="" type="checkbox"/> Other Painted Spherical Marker Balls			
<b>LATITUDE</b> 37°22'45.82N"		<b>LONGITUDE</b> 83°03'29.16W"		<b>DATUM</b> <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> Other	
<b>NEAREST KENTUCKY</b> City Hindman County Knott		<b>NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT</b> Wendell H. Ford Airport			
<b>SITE ELEVATION (AMSL, feet)</b> 1226		<b>TOTAL STRUCTURE HEIGHT (AGL, feet)</b> 255		<b>CURRENT (FAA aeronautical study #)</b> 2012-ASO-10512-OE	
<b>OVERALL HEIGHT (site elevation plus total structure height, feet)</b> 1481				<b>PREVIOUS (FAA aeronautical study #)</b> N/A	
<b>DISTANCE (from nearest Kentucky public use or Military airport to structure)</b> 10.6 miles from Cat. 69-70.				<b>PREVIOUS (KY aeronautical study #)</b> N/A	
<b>DIRECTION (from nearest Kentucky public use or Military airport to structure)</b> East to Cat. 69-70.					
<b>DESCRIPTION OF LOCATION (Attach USGS 7.5 minute quadrangle map or an airport layout drawing with the precise site marked and any certified survey.)</b> TOPO Map is located on Page 4 of each FAA Determination					
<b>DESCRIPTION OF PROPOSAL</b> This filing is not for a structure, but is a point on a static wire where it is the highest AGL. This is a proposal for the use of painted spherical marker balls on the static wire of a span in the Bonnyman - Softshell 138kV Circuit.					
<b>FAA Form 7460-1 (Has the "Notice of Construction or Alteration" been filed with the Federal Aviation Administration?)</b> <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, when? 11/2/2012					
<b>CERTIFICATION (I hereby certify that all the above entries, made by me, are true, complete, and correct to the best of my knowledge and belief.)</b>					
<b>PENALTIES (Persons failing to comply with KRS 183.861 to 183.990 and 602 KAR 050 are liable for fines and/or imprisonment as set forth in KRS 183.990(3). Noncompliance with FAA regulations may result in further penalties.)</b>					
<b>NAME</b> Erica Cutler	<b>TITLE</b> Design Engineer	<b>SIGNATURE</b> 		<b>DATE</b> 5/9/2013	
<b>COMMISSION ACTION</b>		<input type="checkbox"/> Chairperson, KAZC <input checked="" type="checkbox"/> Administrator, KAZC			
<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved		<b>SIGNATURE</b> 		<b>DATE</b> 6-28-13	





## KENTUCKY AIRPORT ZONING COMMISSION

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
[www.transportation.ky.gov/aviation](http://www.transportation.ky.gov/aviation)  
502 564-4480

June 27, 2013

### APPROVAL OF APPLICATION

APPLICANT:  
AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

SUBJECT: AS-060-K20-2013-084

STRUCTURE: Power Line  
LOCATION: Hindman, KY  
COORDINATES: 37° 22' 41.03" N / 83° 1' 22.31" W  
HEIGHT: 321' AGL/1480' AMSL

The Kentucky Airport Zoning Commission has approved your application for a permit to construct 321' AGL/ 1480' AMSL Power Line near Hindman, KY 37° 22' 41.03" N / 83° 1' 22.31" W.

This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit.

A copy of the approved application is enclosed for your files.

Medium Dual Catenary Lighting is required in accordance with 602 KAR 50:100.



John Houlihan  
Administrator



An Equal Opportunity Employer M/F/D



**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
www.transportation.ky.gov/aviation  
502 564-4480

**CONSTRUCTION/ALTERATION STATUS REPORT**

June 27, 2013

AERONAUTICAL STUDY NUMBER: AS-060-K20-2013-084

AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

This concerns the permit which was issued to you by the Kentucky Airport Zoning Commission on June 27, 2013. This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within the said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit. When appropriate, please indicate the status of the project in the place below and return this letter to John Houlihan, Administrator, Kentucky Airport Zoning Commission, 90 Airport Road, Bldg 400, Frankfort, KY, 40601, 502 564-4480.

STRUCTURE: Power Line  
LOCATION: Hindman, KY  
COORDINATES: 37° 22' 41.03" N / 83° 1' 22.31" W  
HEIGHT: 321' AGL /1480'AMSL

**CONSTRUCTION/ALTERATION STATUS**

1. The project ( ) is abandoned. ( ) is not abandoned.

2. Construction status is as follows:

Structure reached its greatest height of \_\_\_\_\_ ft. AGL  
\_\_\_\_\_ ft. AMSL on \_\_\_\_\_ (date).

Date construction was completed, \_\_\_\_\_

Type of obstruction marking/painting, \_\_\_\_\_

Type of obstruction lighting, \_\_\_\_\_

As built coordinates, \_\_\_\_\_

Miscellaneous Information, \_\_\_\_\_

DATE \_\_\_\_\_

SIGNATURE/TITLE \_\_\_\_\_



An Equal Opportunity Employer M/F/D



KENTUCKY TRANSPORTATION CABINET  
 KENTUCKY AIRPORT ZONING COMMISSION

TC 56-50  
 Rev. 07/2010  
 Page 2 of 2

**APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE**

<b>APPLICANT (name)</b> American Electric Power: John Edwards		<b>PHONE</b> 540-562-7118	<b>FAX</b> 540-562-7050	<b>KY AERONAUTICAL STUDY #</b> AS-066-K20-2013-054	
<b>ADDRESS (street)</b> P.O Box 2021		<b>CITY</b> Roanoke		<b>STATE</b> VA	<b>ZIP</b> 24022-2121
<b>APPLICANT'S REPRESENTATIVE (name)</b> POWER Engineers: Erica Cutler		<b>PHONE</b> 281-765-5541	<b>FAX</b> 281-765-5599		
<b>ADDRESS (street)</b> 509 North Sam Houston Pkwy East		<b>CITY</b> Houston		<b>STATE</b> TX	<b>ZIP</b> 77060
<b>APPLICATION FOR</b> <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration <input type="checkbox"/> Existing				<b>WORK SCHEDULE</b>	
<b>DURATION</b> <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary (months days )				Start 4/15/2013 End 10/16/2014	
<b>TYPE</b> <input type="checkbox"/> Crane <input type="checkbox"/> Building <input type="checkbox"/> Antenna Tower <input checked="" type="checkbox"/> Power Line <input type="checkbox"/> Water Tank <input type="checkbox"/> Landfill <input type="checkbox"/> Other		<b>MARKING/PAINTING/LIGHTING PREFERRED</b> <input type="checkbox"/> Red Lights & Paint <input type="checkbox"/> White- medium intensity <input type="checkbox"/> White- high intensity <input type="checkbox"/> Dual- red & medium intensity white <input type="checkbox"/> Dual- red & high intensity white <input checked="" type="checkbox"/> Other Painted Spherical Marker Balls			
<b>LATITUDE</b> 37°22'41.03N"		<b>LONGITUDE</b> 83°01'22.31W"		<b>DATUM</b> <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> Other	
<b>NEAREST KENTUCKY</b> City Hindman County Knott		<b>NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT</b> Wendell H. Ford Airport			
<b>SITE ELEVATION (AMSL, feet)</b> 1159		<b>TOTAL STRUCTURE HEIGHT (AGL, feet)</b> 321		<b>CURRENT (FAA aeronautical study #)</b> 2012-ASO-10513-OE	
<b>OVERALL HEIGHT (site elevation plus total structure height, feet)</b> 1480				<b>PREVIOUS (FAA aeronautical study #)</b> N/A	
<b>DISTANCE (from nearest Kentucky public use or Military airport to structure)</b> 12.5 miles from Cat. 81-82.				<b>PREVIOUS (KY aeronautical study #)</b> N/A	
<b>DIRECTION (from nearest Kentucky public use or Military airport to structure)</b> East to Cat. 81-82.					
<b>DESCRIPTION OF LOCATION (Attach USGS 7.5 minute quadrangle map or an airport layout drawing with the precise site marked and any certified survey.)</b> TOPO Map is located on Page 4 of each FAA Determination					
<b>DESCRIPTION OF PROPOSAL</b> This filing is not for a structure, but is a point on a static wire where it is the highest AGL. This is a proposal for the use of painted spherical marker balls on the static wire of a span in the Bonnyman - Softshell 138kV Circuit.					
<b>FAA Form 7460-1 (Has the "Notice of Construction or Alteration" been filed with the Federal Aviation Administration?)</b> <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, when? 11/2/2012					
<b>CERTIFICATION (I hereby certify that all the above entries, made by me, are true, complete, and correct to the best of my knowledge and belief.)</b>					
<b>PENALTIES (Persons failing to comply with KRS 183.861 to 183.990 and 602 KAR 050 are liable for fines and/or imprisonment as set forth in KRS 183.990(3). Noncompliance with FAA regulations may result in further penalties.)</b>					
<b>NAME</b> Erica Cutler	<b>TITLE</b> Design Engineer	<b>SIGNATURE</b> 		<b>DATE</b> 5/9/2013	
<b>COMMISSION ACTION</b>		<input type="checkbox"/> Chairperson, KAZC <input checked="" type="checkbox"/> Administrator, KAZC			
<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved		<b>SIGNATURE</b> 		<b>DATE</b> 6-27-13	



**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
[www.transportation.ky.gov/aviation](http://www.transportation.ky.gov/aviation)  
502 564-4480

June 28, 2013

**APPROVAL OF APPLICATION**

**APPLICANT:**  
AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

**SUBJECT:** AS-060-K20-2013-085

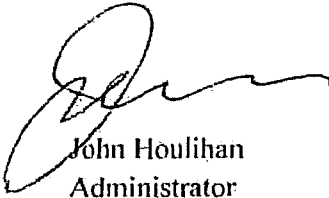
**STRUCTURE:** Power Line  
**LOCATION:** Hindman, KY  
**COORDINATES:** 37° 22' 56.46" N / 83° 00' 9.23" W  
**HEIGHT:** 264' AGL/1372' AMSL

The Kentucky Airport Zoning Commission has approved your application for a permit to construct 264' AGL/ 1372' AMSL Power Line near Hindman, KY 37° 22' 56.46" N / 83° 00' 9.23" W.

This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit.

A copy of the approved application is enclosed for your files.

Reflective Spherical Markers are required in accordance with 602 KAR 50:100.



John Houlihan  
Administrator



An Equal Opportunity Employer M/F/D



**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
www.transportation.ky.gov/aviation  
502 564-4480

**CONSTRUCTION/ALTERATION STATUS REPORT**

June 28, 2013

AERONAUTICAL STUDY NUMBER: AS-060-K20-2013-085

AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

This concerns the permit which was issued to you by the Kentucky Airport Zoning Commission on June 28, 2013. This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within the said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit. When appropriate, please indicate the status of the project in the place below and return this letter to John Houlihan, Administrator, Kentucky Airport Zoning Commission, 90 Airport Road, Bldg 400, Frankfort, KY, 40601. 502 564-4480.

STRUCTURE: Power Line  
LOCATION: Hindman, KY  
COORDINATES: 37° 22' 56.46" N / 83° 00' 9.23" W  
HEIGHT: 264' AGL /1372' AMSL

**CONSTRUCTION/ALTERATION STATUS**

1. The project ( ) is abandoned. ( ) is not abandoned.

2. Construction status is as follows:

Structure reached its greatest height of \_\_\_\_\_ ft. AGL  
\_\_\_\_\_ ft. AMSL on \_\_\_\_\_ (date).

Date construction was completed. \_\_\_\_\_

Type of obstruction marking/painting. \_\_\_\_\_

Type of obstruction lighting. \_\_\_\_\_

As built coordinates. \_\_\_\_\_

Miscellaneous Information. \_\_\_\_\_

DATE \_\_\_\_\_

SIGNATURE/TITLE \_\_\_\_\_





KENTUCKY AIRPORT ZONING COMMISSION

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

<b>APPLICANT (name)</b> American Electric Power: John Edwards		<b>PHONE</b> 540-562-7118	<b>FAX</b> 540-562-7050	<b>KY AERONAUTICAL STUDY #</b> AS-060-K20-2013-685	
<b>ADDRESS (street)</b> P.O Box 2021		<b>CITY</b> Roanoke		<b>STATE</b> VA	<b>ZIP</b> 24022-2121
<b>APPLICANT'S REPRESENTATIVE (name)</b> POWER Engineers: Erica Cutler		<b>PHONE</b> 281-765-5541	<b>FAX</b> 281-765-5599		
<b>ADDRESS (street)</b> 509 North Sam Houston Pkwy East		<b>CITY</b> Houston		<b>STATE</b> TX	<b>ZIP</b> 77060
<b>APPLICATION FOR</b> <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration <input type="checkbox"/> Existing				<b>WORK SCHEDULE</b>	
<b>DURATION</b> <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary (months days )				Start 4/15/2013 End 10/16/2014	
<b>TYPE</b> <input type="checkbox"/> Crane <input type="checkbox"/> Building <input type="checkbox"/> Antenna Tower <input checked="" type="checkbox"/> Power Line <input type="checkbox"/> Water Tank <input type="checkbox"/> Landfill <input type="checkbox"/> Other		<b>MARKING/PAINTING/LIGHTING PREFERRED</b> <input type="checkbox"/> Red Lights & Paint <input type="checkbox"/> White- medium intensity <input type="checkbox"/> White- high intensity <input type="checkbox"/> Dual- red & medium intensity white <input type="checkbox"/> Dual- red & high intensity white <input checked="" type="checkbox"/> Other Painted Spherical Marker Balls			
<b>LATITUDE</b> 37°22'56.46N"		<b>LONGITUDE</b> 83°00'09.23W"		<b>DATUM</b> <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> Other	
<b>NEAREST KENTUCKY</b> City Hindman County Knott		<b>NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT</b> Wendell H. Ford Airport			
<b>SITE ELEVATION (AMSL, feet)</b> 1108		<b>TOTAL STRUCTURE HEIGHT (AGL, feet)</b> 264		<b>CURRENT (FAA aeronautical study #)</b> 2012-ASO-10514-OE	
<b>OVERALL HEIGHT (site elevation plus total structure height, feet)</b> 1372				<b>PREVIOUS (FAA aeronautical study #)</b> N/A	
<b>DISTANCE (from nearest Kentucky public use or Military airport to structure)</b> 13.7 miles from Cat. 89-90.				<b>PREVIOUS (KY aeronautical study #)</b> N/A	
<b>DIRECTION (from nearest Kentucky public use or Military airport to structure)</b> East to Cat. 89-90.					
<b>DESCRIPTION OF LOCATION (Attach USGS 7.5 minute quadrangle map or an airport layout drawing with the precise site marked and any certified survey.)</b> TOPO Map is located on Page 4 of each FAA Determination					
<b>DESCRIPTION OF PROPOSAL</b> This filing is not for a structure, but is a point on a static wire where it is the highest AGL. This is a proposal for the use of painted spherical marker balls on the static wire of a span in the Bonnyman - Softshell 138kV Circuit.					
<b>FAA Form 7460-1 (Has the "Notice of Construction or Alteration" been filed with the Federal Aviation Administration?)</b> <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, when? 11/2/2012					
<b>CERTIFICATION (I hereby certify that all the above entries, made by me, are true, complete, and correct to the best of my knowledge and belief.)</b>					
<b>PENALTIES (Persons failing to comply with KRS 183.861 to 183.990 and 602 KAR 050 are liable for fines and/or imprisonment as set forth in KRS 183.990(3). Noncompliance with FAA regulations may result in further penalties.)</b>					
<b>NAME</b> Erica Cutler	<b>TITLE</b> Design Engineer	<b>SIGNATURE</b> 		<b>DATE</b> 5/9/2013	
<b>COMMISSION ACTION</b> <input type="checkbox"/> Chairperson, KAZC <input checked="" type="checkbox"/> Administrator, KAZC					
<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved		<b>SIGNATURE</b> 		<b>DATE</b> 6-28-13	



**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
[www.transportation.ky.gov/aviation](http://www.transportation.ky.gov/aviation)  
502 564-4480

June 28, 2013

**APPROVAL OF APPLICATION**

**APPLICANT:**  
AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

**SUBJECT:** AS-060-K20-2013-086

**STRUCTURE:** Power Line  
**LOCATION:** Hindman, KY  
**COORDINATES:** 37° 23' 7.45" N / 82° 59' 27.17" W  
**HEIGHT:** 292' AGL/1398' AMSL

The Kentucky Airport Zoning Commission has approved your application for a permit to construct 292' AGL/ 1398' AMSL Power Line near Hindman, KY 37° 23' 7.45" N / 82° 59' 27.17" W.

This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit.

A copy of the approved application is enclosed for your files.

Reflective Spherical Markers are required in accordance with 602 KAR 50:100.

A handwritten signature in black ink, appearing to read "John Houlihan".

John Houlihan  
Administrator



An Equal Opportunity Employer M/F/D



**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
www.transportation.ky.gov/aviation  
502 564-4480

**CONSTRUCTION/ALTERATION STATUS REPORT**

June 28, 2013

AERONAUTICAL STUDY NUMBER: AS-060-K20-2013-086

AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

This concerns the permit which was issued to you by the Kentucky Airport Zoning Commission on June 28, 2013. This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within the said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit. When appropriate, please indicate the status of the project in the place below and return this letter to John Houlihan, Administrator, Kentucky Airport Zoning Commission, 90 Airport Road, Bldg 400, Frankfort, KY, 40601. 502 564-4480.

STRUCTURE: Power Line  
LOCATION: Hindman, KY  
COORDINATES: 37° 23' 7.45" N / 82° 59' 27.17" W  
HEIGHT: 292' AGL / 1398' AMSL

**CONSTRUCTION/ALTERATION STATUS**

1. The project ( ) is abandoned. ( ) is not abandoned.

2. Construction status is as follows:

Structure reached its greatest height of \_\_\_\_\_ ft. AGL  
\_\_\_\_\_ ft. AMSL on \_\_\_\_\_ (date).

Date construction was completed. \_\_\_\_\_

Type of obstruction marking/painting. \_\_\_\_\_

Type of obstruction lighting. \_\_\_\_\_

As built coordinates. \_\_\_\_\_

Miscellaneous Information. \_\_\_\_\_

DATE \_\_\_\_\_

SIGNATURE/TITLE \_\_\_\_\_







KENTUCKY AIRPORT ZONING COMMISSION

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

<b>APPLICANT (name)</b> American Electric Power: John Edwards		<b>PHONE</b> 540-562-7118	<b>FAX</b> 540-562-7050	<b>KY AERONAUTICAL STUDY #</b> AS-066-K20-2013-086
<b>ADDRESS (street)</b> P.O Box 2021		<b>CITY</b> Roanoke		<b>STATE</b> VA
<b>APPLICANT'S REPRESENTATIVE (name)</b> POWER Engineers: Erica Cutler		<b>PHONE</b> 281-765-5541	<b>FAX</b> 281-765-5599	<b>ZIP</b> 24022-2121
<b>ADDRESS (street)</b> 509 North Sam Houston Pkwy East		<b>CITY</b> Houston		<b>STATE</b> TX
<b>APPLICATION FOR</b> <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration <input type="checkbox"/> Existing		<b>DURATION</b> <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary (months days )		<b>WORK SCHEDULE</b> Start 4/15/2013 End 10/16/2014
<b>TYPE</b> <input type="checkbox"/> Crane <input type="checkbox"/> Building <input type="checkbox"/> Antenna Tower <input checked="" type="checkbox"/> Power Line <input type="checkbox"/> Water Tank <input type="checkbox"/> Landfill <input type="checkbox"/> Other		<b>MARKING/PAINTING/LIGHTING PREFERRED</b> <input type="checkbox"/> Red Lights & Paint <input type="checkbox"/> White- medium intensity <input type="checkbox"/> White- high intensity <input type="checkbox"/> Dual- red & medium intensity white <input type="checkbox"/> Dual- red & high intensity white <input checked="" type="checkbox"/> Other Painted Spherical Marker Balls		
<b>LATITUDE</b> 37°23'07.45N"		<b>LONGITUDE</b> 82°59'27.17W"		<b>DATUM</b> <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> Other
<b>NEAREST KENTUCKY</b> City Hindman County Knott		<b>NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT</b> Wendell H. Ford Airport		
<b>SITE ELEVATION (AMSL, feet)</b> 1106		<b>TOTAL STRUCTURE HEIGHT (AGL, feet)</b> 292		<b>CURRENT (FAA aeronautical study #)</b> 2012-ASO-10515-OE
<b>OVERALL HEIGHT (site elevation plus total structure height, feet)</b> 1398		<b>PREVIOUS (FAA aeronautical study #)</b> N/A		
<b>DISTANCE (from nearest Kentucky public use or Military airport to structure)</b> 14.2 miles from Cat. 92-93.		<b>PREVIOUS (KY aeronautical study #)</b> N/A		
<b>DIRECTION (from nearest Kentucky public use or Military airport to structure)</b> East to Cat. 92-93.				
<b>DESCRIPTION OF LOCATION (Attach USGS 7.5 minute quadrangle map or an airport layout drawing with the precise site marked and any certified survey.)</b> TOPO Map is located on Page 4 of each FAA Determination				
<b>DESCRIPTION OF PROPOSAL</b> This filing is not for a structure, but is a point on a static wire where it is the highest AGL. This is a proposal for the use of painted spherical marker balls on the static wire of a span in the Bonnyman - Softshell 138kV Circuit.				
<b>FAA Form 7460-1 (Has the "Notice of Construction or Alteration" been filed with the Federal Aviation Administration?)</b> <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, when? 11/2/2012				
<b>CERTIFICATION (I hereby certify that all the above entries, made by me, are true, complete, and correct to the best of my knowledge and belief.)</b>				
<b>PENALTIES (Persons failing to comply with KRS 183.861 to 183.990 and 602 KAR 050 are liable for fines and/or imprisonment as set forth in KRS 183.990(3). Noncompliance with FAA regulations may result in further penalties.)</b>				
<b>NAME</b> Erica Cutler	<b>TITLE</b> Design Engineer	<b>SIGNATURE</b> 		<b>DATE</b> 5/9/2013
<b>COMMISSION ACTION</b> <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved				
<b>SIGNATURE</b> 		<b>DATE</b> 6-28-13		



**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
[www.transportation.ky.gov/aviation](http://www.transportation.ky.gov/aviation)  
502 564-4480

June 28, 2013

**APPROVAL OF APPLICATION**

**APPLICANT:**  
AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

**SUBJECT:** AS-060-K20-2013-087

**STRUCTURE:** Power Line  
**LOCATION:** Hindman, KY  
**COORDINATES:** 37° 23' 13.21" N / 82° 58' 51.95" W  
**HEIGHT:** 201' AGL/1564'AMSL

The Kentucky Airport Zoning Commission has approved your application for a permit to construct 201' AGL/ 1564'AMSL Power Line near Hindman, KY 37° 23' 13.21" N / 82° 58' 51.95" W.

This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit.

A copy of the approved application is enclosed for your files.

Reflective Spherical Markers are required in accordance with 602 KAR 50:100.

A handwritten signature in black ink, appearing to read "John Houlihan".

John Houlihan  
Administrator



An Equal Opportunity Employer M/F/D



**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
www.transportation.ky.gov/aviation  
502 564-4480

**CONSTRUCTION/ALTERATION STATUS REPORT**

June 28, 2013

AERONAUTICAL STUDY NUMBER: AS-060-K20-2013-087

AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

This concerns the permit which was issued to you by the Kentucky Airport Zoning Commission on June 28, 2013. This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within the said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit. When appropriate, please indicate the status of the project in the place below and return this letter to John Houlihan, Administrator, Kentucky Airport Zoning Commission, 90 Airport Road, Bldg 400, Frankfort, KY, 40601. 502 564-4480.

STRUCTURE: Power Line  
LOCATION: Hindman, KY  
COORDINATES: 37° 23' 13.21" N / 82° 58' 51.95" W  
HEIGHT: 201' AGL /1564'AMSL

**CONSTRUCTION/ALTERATION STATUS**

1. The project ( ) is abandoned. ( ) is not abandoned.

2. Construction status is as follows:

Structure reached its greatest height of \_\_\_\_\_ ft. AGL  
\_\_\_\_\_ ft. AMSL on \_\_\_\_\_ (date).

Date construction was completed. \_\_\_\_\_

Type of obstruction marking/painting. \_\_\_\_\_

Type of obstruction lighting. \_\_\_\_\_

As built coordinates. \_\_\_\_\_

Miscellaneous Information. \_\_\_\_\_

DATE \_\_\_\_\_

SIGNATURE/TITLE \_\_\_\_\_



An Equal Opportunity Employer M/F/D



KENTUCKY TRANSPORTATION CABINET

TC 56-50  
Rev. 07/2010  
Page 2 of 2

KENTUCKY AIRPORT ZONING COMMISSION

**APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE**

<b>APPLICANT (name)</b> American Electric Power: John Edwards		<b>PHONE</b> 540-562-7118	<b>FAX</b> 540-562-7050	<b>KY AERONAUTICAL STUDY #</b> AP-060-K20-2013-087	
<b>ADDRESS (street)</b> P.O Box 2021		<b>CITY</b> Roanoke		<b>STATE</b> VA	<b>ZIP</b> 24022-2121
<b>APPLICANT'S REPRESENTATIVE (name)</b> POWER Engineers: Erica Cutler		<b>PHONE</b> 281-765-5541	<b>FAX</b> 281-765-5599		
<b>ADDRESS (street)</b> 509 North Sam Houston Pkwy East		<b>CITY</b> Houston		<b>STATE</b> TX	<b>ZIP</b> 77060
<b>APPLICATION FOR</b> <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration <input type="checkbox"/> Existing				<b>WORK SCHEDULE</b>	
<b>DURATION</b> <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary (months days )				Start 4/15/2013 End 10/16/2014	
<b>TYPE</b> <input type="checkbox"/> Crane <input type="checkbox"/> Building <input type="checkbox"/> Antenna Tower <input checked="" type="checkbox"/> Power Line <input type="checkbox"/> Water Tank <input type="checkbox"/> Landfill <input type="checkbox"/> Other		<b>MARKING/PAINTING/LIGHTING PREFERRED</b> <input type="checkbox"/> Red Lights & Paint <input type="checkbox"/> White- medium intensity <input type="checkbox"/> White- high intensity <input type="checkbox"/> Dual- red & medium intensity white <input type="checkbox"/> Dual- red & high intensity white <input checked="" type="checkbox"/> Other Painted Spherical Marker Balls			
<b>LATITUDE</b> 37°23'13.21N"		<b>LONGITUDE</b> 82°58'51.95W"		<b>DATUM</b> <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> Other	
<b>NEAREST KENTUCKY</b> City Hindman County Knott		<b>NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT</b> Wendell H. Ford Airport			
<b>SITE ELEVATION (AMSL, feet)</b> 1363		<b>TOTAL STRUCTURE HEIGHT (AGL, feet)</b> 201		<b>CURRENT (FAA aeronautical study #)</b> 2012-ASO-10516-OE	
<b>OVERALL HEIGHT (site elevation plus total structure height, feet)</b> 1564				<b>PREVIOUS (FAA aeronautical study #)</b> N/A	
<b>DISTANCE (from nearest Kentucky public use or Military airport to structure)</b> 14.7 miles from Cat. 94-95.				<b>PREVIOUS (KY aeronautical study #)</b> N/A	
<b>DIRECTION (from nearest Kentucky public use or Military airport to structure)</b> East to Cat. 94-95.					
<b>DESCRIPTION OF LOCATION (Attach USGS 7.5 minute quadrangle map or an airport layout drawing with the precise site marked and any certified survey.)</b> TOPO Map is located on Page 4 of each FAA Determination					
<b>DESCRIPTION OF PROPOSAL</b> This filing is not for a structure, but is a point on a static wire where it is the highest AGL. This is a proposal for the use of painted spherical marker balls on the static wire of a span in the Bonnyman - Softshell 138kV Circuit.					
<b>FAA Form 7460-1 (Has the "Notice of Construction or Alteration" been filed with the Federal Aviation Administration?)</b> <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, when? 11/2/2012					
<b>CERTIFICATION (I hereby certify that all the above entries, made by me, are true, complete, and correct to the best of my knowledge and belief.)</b>					
<b>PENALTIES (Persons failing to comply with KRS 183.861 to 183.990 and 602 KAR 050 are liable for fines and/or imprisonment as set forth in KRS 183.990(3). Noncompliance with FAA regulations may result in further penalties.)</b>					
<b>NAME</b> Erica Cutler	<b>TITLE</b> Design Engineer	<b>SIGNATURE</b> 		<b>DATE</b> 5/9/2013	
<b>COMMISSION ACTION</b>					
<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved					
<b>SIGNATURE</b> 				<b>DATE</b> 6-28-13	



**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
[www.transportation.ky.gov/aviation](http://www.transportation.ky.gov/aviation)  
502 564-4480

June 27, 2013

APPROVAL OF APPLICATION

APPLICANT:  
AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

SUBJECT: AS-060-K20-2013-088

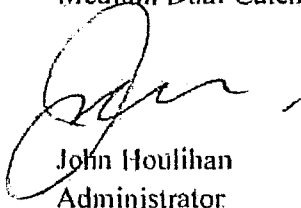
STRUCTURE: Power Line  
LOCATION: Hindman, KY  
COORDINATES: 37° 23' 13.84" N / 82° 58' 36.35" W  
HEIGHT: 444' AGL/1547' AMSL

The Kentucky Airport Zoning Commission has approved your application for a permit to construct 444' AGL/ 1547' AMSL Power Line near Hindman, KY 37° 23' 13.84" N / 82° 58' 36.35" W.

This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit.

A copy of the approved application is enclosed for your files.

Medium Dual Catenary Lighting is required in accordance with 602 KAR 50:100.



John Houlihan  
Administrator



An Equal Opportunity Employer M/F/D



**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
www.transportation.ky.gov/aviation  
502 564-4480

**CONSTRUCTION/ALTERATION STATUS REPORT**

June 27, 2013

AERONAUTICAL STUDY NUMBER: AS-060-K20-2013-088

AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

This concerns the permit which was issued to you by the Kentucky Airport Zoning Commission on June 27, 2013. This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within the said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit. When appropriate, please indicate the status of the project in the place below and return this letter to John Houlihan, Administrator, Kentucky Airport Zoning Commission, 90 Airport Road, Bldg 400, Frankfort, KY, 40601. 502 564-4480.

STRUCTURE: Power Line  
LOCATION: Hindman, KY  
COORDINATES: 37° 23' 13.84" N / 82° 58' 36.35" W  
HEIGHT: 444' AGL /1547' AMSL

**CONSTRUCTION/ALTERATION STATUS**

1. The project ( ) is abandoned. ( ) is not abandoned.

2. Construction status is as follows:

Structure reached its greatest height of \_\_\_\_\_ ft. AGL  
\_\_\_\_\_ ft. AMSL on \_\_\_\_\_ (date).

Date construction was completed. \_\_\_\_\_

Type of obstruction marking/painting. \_\_\_\_\_

Type of obstruction lighting. \_\_\_\_\_

As built coordinates. \_\_\_\_\_

Miscellaneous Information. \_\_\_\_\_

DATE \_\_\_\_\_

SIGNATURE/TITLE \_\_\_\_\_





APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

<b>APPLICANT (name)</b> American Electric Power: John Edwards		<b>PHONE</b> 540-562-7118	<b>FAX</b> 540-562-7050	<b>KY AERONAUTICAL STUDY #</b> AP-060-K20-2013-088
<b>ADDRESS (street)</b> P.O Box 2021		<b>CITY</b> Roanoke		<b>STATE</b> VA
<b>APPLICANT'S REPRESENTATIVE (name)</b> POWER Engineers: Erica Cutler		<b>PHONE</b> 281-765-5541	<b>FAX</b> 281-765-5599	<b>ZIP</b> 24022-2121
<b>ADDRESS (street)</b> 509 North Sam Houston Pkwy East		<b>CITY</b> Houston		<b>STATE</b> TX
<b>APPLICATION FOR</b> <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration <input type="checkbox"/> Existing		<b>DURATION</b> <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary (months days )		<b>WORK SCHEDULE</b> Start 4/15/2013 End 10/16/2014
<b>TYPE</b> <input type="checkbox"/> Crane <input type="checkbox"/> Building <input type="checkbox"/> Antenna Tower <input checked="" type="checkbox"/> Power Line <input type="checkbox"/> Water Tank <input type="checkbox"/> Landfill <input type="checkbox"/> Other		<b>MARKING/PAINTING/LIGHTING PREFERRED</b> <input type="checkbox"/> Red Lights & Paint <input type="checkbox"/> White- medium intensity <input type="checkbox"/> White- high intensity <input type="checkbox"/> Dual- red & medium intensity white <input type="checkbox"/> Dual- red & high intensity white <input checked="" type="checkbox"/> Other Painted Spherical Marker Balls		
<b>LATITUDE</b> 37°23'13.84N"		<b>LONGITUDE</b> 82°58'36.35W"		<b>DATUM</b> <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> Other
<b>NEAREST KENTUCKY</b> City Hindman County Knott		<b>NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT</b> Wendell H. Ford Airport		
<b>SITE ELEVATION (AMSL, feet)</b> 1103		<b>TOTAL STRUCTURE HEIGHT (AGL, feet)</b> 444		<b>CURRENT (FAA aeronautical study #)</b> 2012-ASO-10517-OE
<b>OVERALL HEIGHT (site elevation plus total structure height, feet)</b> 1547		<b>PREVIOUS (FAA aeronautical study #)</b> N/A		
<b>DISTANCE (from nearest Kentucky public use or Military airport to structure)</b> 15.0 miles from Cat. 95-96.		<b>PREVIOUS (KY aeronautical study #)</b> N/A		
<b>DIRECTION (from nearest Kentucky public use or Military airport to structure)</b> East to Cat. 95-96.				
<b>DESCRIPTION OF LOCATION (Attach USGS 7.5 minute quadrangle map or an airport layout drawing with the precise site marked and any certified survey.)</b> TOPO Map is located on Page 4 of each FAA Determination				
<b>DESCRIPTION OF PROPOSAL</b> This filing is not for a structure, but is a point on a static wire where it is the highest AGL. This is a proposal for the use of painted spherical marker balls on the static wire of a span in the Bonnyman - Softshell 138kV Circuit.				
<b>FAA Form 7460-1 (Has the "Notice of Construction or Alteration" been filed with the Federal Aviation Administration?)</b> <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, when? 11/2/2012				
<b>CERTIFICATION (I hereby certify that all the above entries, made by me, are true, complete, and correct to the best of my knowledge and belief.)</b>				
<b>PENALTIES (Persons failing to comply with KRS 183.861 to 183.990 and 602 KAR 050 are liable for fines and/or imprisonment as set forth in KRS 183.990(3). Noncompliance with FAA regulations may result in further penalties.)</b>				
<b>NAME</b> Erica Cutler	<b>TITLE</b> Design Engineer	<b>SIGNATURE</b> 		<b>DATE</b> 5/9/2013
<b>COMMISSION ACTION</b> <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved				
<b>SIGNATURE</b> 		<b>DATE</b> 6-27-13		



**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
[www.transportation.ky.gov/aviation](http://www.transportation.ky.gov/aviation)  
502 564-4480

June 28, 2013

APPROVAL OF APPLICATION

APPLICANT:  
AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

SUBJECT: AS-060-K20-2013-089

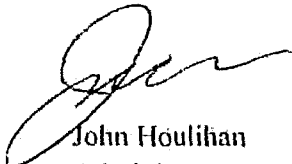
STRUCTURE: Power Line  
LOCATION: Hindman, KY  
COORDINATES: 37° 23' 19.07" N / 82° 58' 4.25" W  
HEIGHT: 245' AGL/1329' AMSL

The Kentucky Airport Zoning Commission has approved your application for a permit to construct 245' AGL/ 1329' AMSL Power Line near Hindman, KY 37° 23' 19.07" N / 82° 58' 4.25" W.

This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit.

A copy of the approved application is enclosed for your files.

Reflective Spherical Markers are required in accordance with 602 KAR 50:100.



John Houlihan  
Administrator







**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
www.transportation.ky.gov/aviation  
502 564-4480

**CONSTRUCTION/ALTERATION STATUS REPORT**

June 28, 2013

AERONAUTICAL STUDY NUMBER: AS-060-K20-2013-089

AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

This concerns the permit which was issued to you by the Kentucky Airport Zoning Commission on June 28, 2013. This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within the said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit. When appropriate, please indicate the status of the project in the place below and return this letter to John Houlihan, Administrator, Kentucky Airport Zoning Commission, 90 Airport Road, Bldg 400, Frankfort, KY, 40601. 502 564-4480.

STRUCTURE: Power Line  
LOCATION: Hindman, KY  
COORDINATES: 37° 23' 19.07" N / 82° 58' 4.25" W  
HEIGHT: 245' AGL / 1329' AMSL

**CONSTRUCTION/ALTERATION STATUS**

1. The project ( ) is abandoned. ( ) is not abandoned.

2. Construction status is as follows:

Structure reached its greatest height of \_\_\_\_\_ ft. AGL  
\_\_\_\_\_ ft. AMSL on \_\_\_\_\_ (date).

Date construction was completed. \_\_\_\_\_

Type of obstruction marking/painting. \_\_\_\_\_

Type of obstruction lighting. \_\_\_\_\_

As built coordinates. \_\_\_\_\_

Miscellaneous Information. \_\_\_\_\_

DATE \_\_\_\_\_

SIGNATURE/TITLE \_\_\_\_\_





KENTUCKY TRANSPORTATION CABINET

TC 56-50  
Rev. 07/2010  
Page 2 of 2

KENTUCKY AIRPORT ZONING COMMISSION

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

<b>APPLICANT (name)</b> American Electric Power: John Edwards		<b>PHONE</b> 540-562-7118	<b>FAX</b> 540-562-7050	<b>KY AERONAUTICAL STUDY #</b> AS-060-K20-2013-689
<b>ADDRESS (street)</b> P.O Box 2021		<b>CITY</b> Roanoke		<b>STATE</b> VA
<b>ZIP</b> 24022-2121				
<b>APPLICANT'S REPRESENTATIVE (name)</b> POWER Engineers: Erica Cutler		<b>PHONE</b> 281-765-5541	<b>FAX</b> 281-765-5599	
<b>ADDRESS (street)</b> 509 North Sam Houston Pkwy East		<b>CITY</b> Houston		<b>STATE</b> TX
<b>ZIP</b> 77060				
<b>APPLICATION FOR</b> <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration <input type="checkbox"/> Existing				<b>WORK SCHEDULE</b>
<b>DURATION</b> <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary (months days )				Start 4/15/2013 End 10/16/2014
<b>TYPE</b> <input type="checkbox"/> Crane <input type="checkbox"/> Building <input type="checkbox"/> Antenna Tower <input checked="" type="checkbox"/> Power Line <input type="checkbox"/> Water Tank <input type="checkbox"/> Landfill <input type="checkbox"/> Other		<b>MARKING/PAINTING/LIGHTING PREFERRED</b> <input type="checkbox"/> Red Lights & Paint <input type="checkbox"/> White- medium intensity <input type="checkbox"/> White- high intensity <input type="checkbox"/> Dual- red & medium intensity white <input type="checkbox"/> Dual- red & high intensity white <input checked="" type="checkbox"/> Other Painted Spherical Marker Balls		
<b>LATITUDE</b> 37°23'19.07N"		<b>LONGITUDE</b> 82°58'04.25W"		<b>DATUM</b> <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> Other
<b>NEAREST KENTUCKY</b> City Hindman County Knott		<b>NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT</b> Wendell H. Ford Airport		
<b>SITE ELEVATION (AMSL, feet)</b> 1084		<b>TOTAL STRUCTURE HEIGHT (AGL, feet)</b> 245		<b>CURRENT (FAA aeronautical study #)</b> 2012-ASO-10518-OE
<b>OVERALL HEIGHT (site elevation plus total structure height, feet)</b> 1329				<b>PREVIOUS (FAA aeronautical study #)</b> N/A
<b>DISTANCE (from nearest Kentucky public use or Military airport to structure)</b> 15.6 miles from Cat. 97-98.				<b>PREVIOUS (KY aeronautical study #)</b> N/A
<b>DIRECTION (from nearest Kentucky public use or Military airport to structure)</b> East to Cat. 97-98.				
<b>DESCRIPTION OF LOCATION (Attach USGS 7.5 minute quadrangle map or an airport layout drawing with the precise site marked and any certified survey.)</b> TOPO Map is located on Page 4 of each FAA Determination				
<b>DESCRIPTION OF PROPOSAL</b> This filing is not for a structure, but is a point on a static wire where it is the highest AGL. This is a proposal for the use of painted spherical marker balls on the static wire of a span in the Bonnyman - Softshell 138kV Circuit.				
<b>FAA Form 7460-1 (Has the "Notice of Construction or Alteration" been filed with the Federal Aviation Administration?)</b> <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, when? 11/2/2012				
<b>CERTIFICATION (I hereby certify that all the above entries, made by me, are true, complete, and correct to the best of my knowledge and belief.)</b>				
<b>PENALTIES (Persons failing to comply with KRS 183.861 to 183.990 and 602 KAR 050 are liable for fines and/or imprisonment as set forth in KRS 183.990(3). Noncompliance with FAA regulations may result in further penalties.)</b>				
<b>NAME</b> Erica Cutler	<b>TITLE</b> Design Engineer	<b>SIGNATURE</b> 		<b>DATE</b> 5/9/2013
<b>COMMISSION ACTION</b> <input type="checkbox"/> Chairperson, KAZC <input checked="" type="checkbox"/> Administrator, KAZC				
<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved		<b>SIGNATURE</b> 		<b>DATE</b> 6-28-13



## KENTUCKY AIRPORT ZONING COMMISSION

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
[www.transportation.ky.gov/aviation](http://www.transportation.ky.gov/aviation)  
502 564-4480

June 27, 2013

### APPROVAL OF APPLICATION

APPLICANT:  
AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

SUBJECT: AS-060-K20-2013-090

STRUCTURE: Power Line  
LOCATION: Hindman, KY  
COORDINATES: 37° 23' 31.51" N / 82° 57' 38.45" W  
HEIGHT: 365' AGL/1622' AMSL

The Kentucky Airport Zoning Commission has approved your application for a permit to construct 365' AGL/ 1622' AMSL Power Line near Hindman, KY 37° 23' 31.51" N / 82° 57' 38.45" W.

This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit.

A copy of the approved application is enclosed for your files.

Medium Dual Catenary Lighting is required in accordance with 602 KAR 50:100.



John Houlihan  
Administrator



An Equal Opportunity Employer M/F/D



**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
www.transportation.ky.gov/aviation  
502 564-4480

**CONSTRUCTION/ALTERATION STATUS REPORT**

June 27, 2013

AERONAUTICAL STUDY NUMBER: AS-060-K20-2013-090

AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

This concerns the permit which was issued to you by the Kentucky Airport Zoning Commission on June 27, 2013. This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within the said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit. When appropriate, please indicate the status of the project in the place below and return this letter to John Houlihan, Administrator, Kentucky Airport Zoning Commission, 90 Airport Road, Bldg 400, Frankfort, KY, 40601. 502 564-4480.

STRUCTURE: Power Line  
LOCATION: Hindman, KY  
COORDINATES: 37° 23' 31.51" N / 82° 57' 38.45" W  
HEIGHT: 365' AGL /1622'AMSL

**CONSTRUCTION/ALTERATION STATUS**

1. The project ( ) is abandoned. ( ) is not abandoned.

2. Construction status is as follows:

Structure reached its greatest height of \_\_\_\_\_ ft. AGL.  
\_\_\_\_\_ ft. AMSL on \_\_\_\_\_ (date).

Date construction was completed. \_\_\_\_\_

Type of obstruction marking/painting. \_\_\_\_\_

Type of obstruction lighting. \_\_\_\_\_

As built coordinates. \_\_\_\_\_

Miscellaneous Information. \_\_\_\_\_

DATE \_\_\_\_\_

SIGNATURE/TITLE \_\_\_\_\_



An Equal Opportunity Employer M/F/D



KENTUCKY AIRPORT ZONING COMMISSION

**APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE**

<b>APPLICANT (name)</b> American Electric Power: John Edwards		<b>PHONE</b> 540-562-7118	<b>FAX</b> 540-562-7050	<b>KY AERONAUTICAL STUDY #</b> AS-060-K20-2013-090	
<b>ADDRESS (street)</b> P.O Box 2021		<b>CITY</b> Roanoke		<b>STATE</b> VA	<b>ZIP</b> 24022-2121
<b>APPLICANT'S REPRESENTATIVE (name)</b> POWER Engineers: Erica Cutler		<b>PHONE</b> 281-765-5541	<b>FAX</b> 281-765-5599		
<b>ADDRESS (street)</b> 509 North Sam Houston Pkwy East		<b>CITY</b> Houston		<b>STATE</b> TX	<b>ZIP</b> 77060
<b>APPLICATION FOR</b> <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration <input type="checkbox"/> Existing				<b>WORK SCHEDULE</b>	
<b>DURATION</b> <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary (months days )				Start 4/15/2013 End 10/16/2014	
<b>TYPE</b> <input type="checkbox"/> Crane <input type="checkbox"/> Building <input type="checkbox"/> Antenna Tower <input checked="" type="checkbox"/> Power Line <input type="checkbox"/> Water Tank <input type="checkbox"/> Landfill <input type="checkbox"/> Other		<b>MARKING/PAINTING/LIGHTING PREFERRED</b> <input type="checkbox"/> Red Lights & Paint <input type="checkbox"/> White- medium intensity <input type="checkbox"/> White- high intensity <input type="checkbox"/> Dual- red & medium intensity white <input type="checkbox"/> Dual- red & high intensity white <input checked="" type="checkbox"/> Other Painted Spherical Marker Balls			
<b>LATITUDE</b> 37°23'31.51N"		<b>LONGITUDE</b> 82°57'38.45W"		<b>DATUM</b> <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> Other	
<b>NEAREST KENTUCKY</b> City Hindman County Knott		<b>NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT</b> Wendell H. Ford Airport			
<b>SITE ELEVATION (AMSL, feet)</b> 1257		<b>TOTAL STRUCTURE HEIGHT (AGL, feet)</b> 365		<b>CURRENT (FAA aeronautical study #)</b> 2012-ASO-10519-OE	
<b>OVERALL HEIGHT (site elevation plus total structure height, feet)</b> 1622				<b>PREVIOUS (FAA aeronautical study #)</b> N/A	
<b>DISTANCE (from nearest Kentucky public use or Military airport to structure)</b> 16.0 miles from Cat. 100-101.				<b>PREVIOUS (KY aeronautical study #)</b> N/A	
<b>DIRECTION (from nearest Kentucky public use or Military airport to structure)</b> East to Cat. 100-101.					
<b>DESCRIPTION OF LOCATION (Attach USGS 7.5 minute quadrangle map or an airport layout drawing with the precise site marked and any certified survey.)</b> TOPO Map is located on Page 4 of each FAA Determination					
<b>DESCRIPTION OF PROPOSAL</b> This filing is not for a structure, but is a point on a static wire where it is the highest AGL. This is a proposal for the use of painted spherical marker balls on the static wire of a span in the Bonnyman - Softshell 138kV Circuit.					
<b>FAA Form 7460-1 (Has the "Notice of Construction or Alteration" been filed with the Federal Aviation Administration?)</b> <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, when? 11/2/2012					
<b>CERTIFICATION (I hereby certify that all the above entries, made by me, are true, complete, and correct to the best of my knowledge and belief.)</b>					
<b>PENALTIES (Persons failing to comply with KRS 183.861 to 183.990 and 602 KAR 050 are liable for fines and/or imprisonment as set forth in KRS 183.990(3). Noncompliance with FAA regulations may result in further penalties.)</b>					
<b>NAME</b> Erica Cutler	<b>TITLE</b> Design Engineer	<b>SIGNATURE</b> 		<b>DATE</b> 5/9/2013	
<b>COMMISSION ACTION</b> <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved					
<b>SIGNATURE</b> 				<b>DATE</b> 6-27-13	
<input checked="" type="checkbox"/> Chairperson, KAZC <input checked="" type="checkbox"/> Administrator, KAZC					



**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
[www.transportation.ky.gov/aviation](http://www.transportation.ky.gov/aviation)  
502 564-4480

June 28, 2013

APPROVAL OF APPLICATION

APPLICANT:  
AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

SUBJECT: AS-060-K20-2013-091

STRUCTURE: Power Line  
LOCATION: Hindman, KY  
COORDINATES: 37° 23' 56.06" N / 82° 56' 54.77" W  
HEIGHT: 281' AGL/1375' AMSL

The Kentucky Airport Zoning Commission has approved your application for a permit to construct 281' AGL/ 1375' AMSL Power Line near Hindman, KY 37° 23' 56.06" N / 82° 56' 54.77" W.

This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit.

A copy of the approved application is enclosed for your files.

Reflective Spherical Markers are required in accordance with 602 KAR 50:100.

John Houlihan  
Administrator



An Equal Opportunity Employer M/F/D



**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
www.transportation.ky.gov/aviation  
502 564-4480

**CONSTRUCTION/ALTERATION STATUS REPORT**

June 28, 2013

AERONAUTICAL STUDY NUMBER: AS-060-K20-2013-091

AMERICAN ELECTRIC POWER  
AMERICAN ELECTRIC POWER  
P O Box 2010  
Roanoke, VA 24022

This concerns the permit which was issued to you by the Kentucky Airport Zoning Commission on June 28, 2013. This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within the said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit. When appropriate, please indicate the status of the project in the place below and return this letter to John Houlihan, Administrator, Kentucky Airport Zoning Commission, 90 Airport Road, Bldg 400, Frankfort, KY, 40601. 502 564-4480.

STRUCTURE: Power Line  
LOCATION: Hindman, KY  
COORDINATES: 37° 23' 56.06" N / 82° 56' 54.77" W  
HEIGHT: 281' AGL / 1375' AMSL

**CONSTRUCTION/ALTERATION STATUS**

1. The project ( ) is abandoned. ( ) is not abandoned.

2. Construction status is as follows:  
Structure reached its greatest height of \_\_\_\_\_ ft. AGL  
\_\_\_\_\_ ft. AMSL on \_\_\_\_\_ (date).

Date construction was completed: \_\_\_\_\_

Type of obstruction marking/painting. \_\_\_\_\_

Type of obstruction lighting. \_\_\_\_\_

As built coordinates. \_\_\_\_\_

Miscellaneous Information. \_\_\_\_\_

DATE \_\_\_\_\_

SIGNATURE/TITLE \_\_\_\_\_





KENTUCKY AIRPORT ZONING COMMISSION

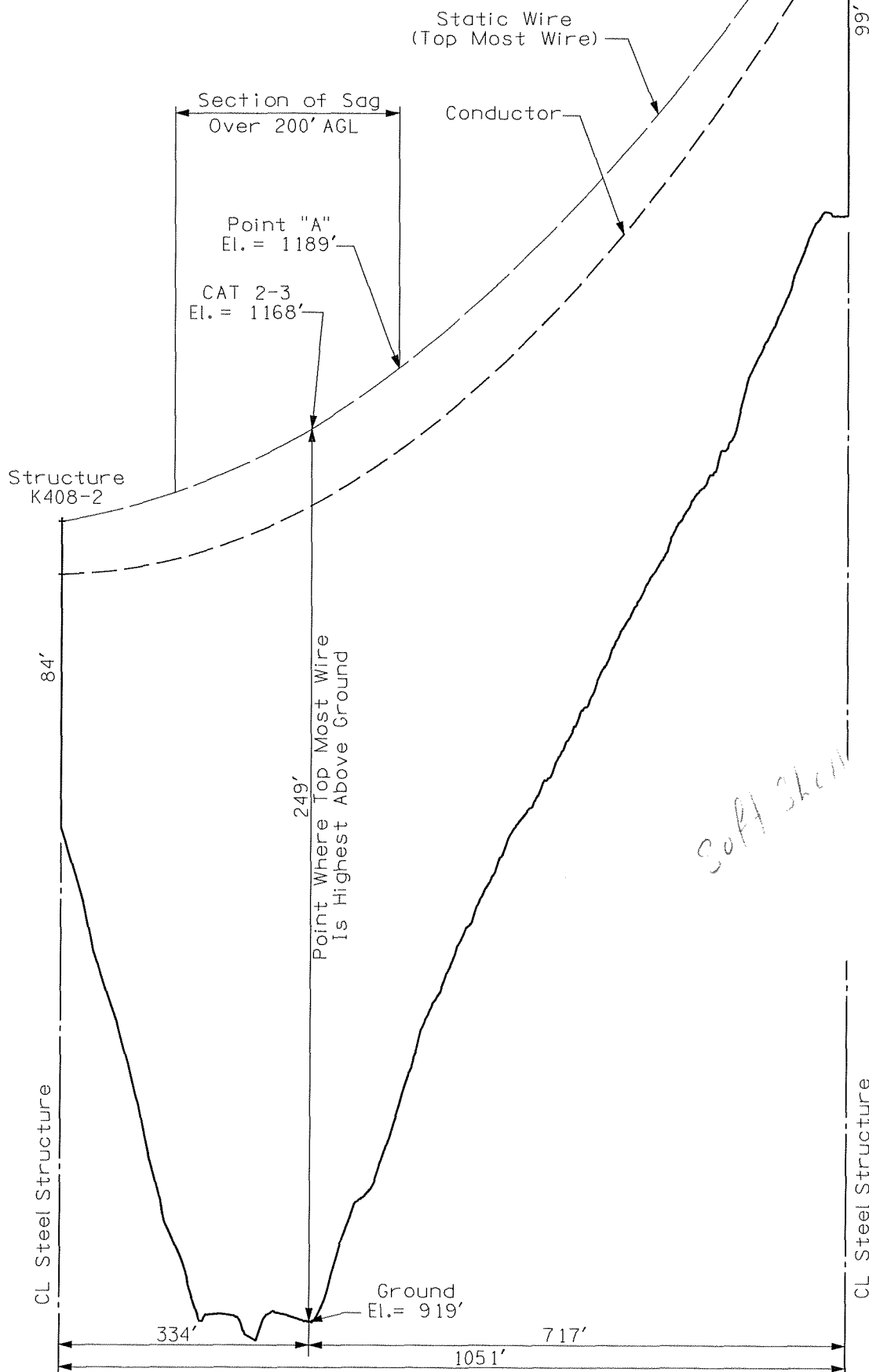
APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

<b>APPLICANT (name)</b> American Electric Power: John Edwards		<b>PHONE</b> 540-562-7118	<b>FAX</b> 540-562-7050	<b>KY AERONAUTICAL STUDY #</b> AS-060-K20-2013-091	
<b>ADDRESS (street)</b> P.O Box 2021		<b>CITY</b> Roanoke		<b>STATE</b> VA	<b>ZIP</b> 24022-2121
<b>APPLICANT'S REPRESENTATIVE (name)</b> POWER Engineers: Erica Cutler		<b>PHONE</b> 281-765-5541	<b>FAX</b> 281-765-5599		
<b>ADDRESS (street)</b> 509 North Sam Houston Pkwy East		<b>CITY</b> Houston		<b>STATE</b> TX	<b>ZIP</b> 77060
<b>APPLICATION FOR</b> <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration <input type="checkbox"/> Existing				<b>WORK SCHEDULE</b>	
<b>DURATION</b> <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary (months days )				Start 4/15/2013 End 10/16/2014	
<b>TYPE</b> <input type="checkbox"/> Crane <input type="checkbox"/> Building <input type="checkbox"/> Antenna Tower <input checked="" type="checkbox"/> Power Line <input type="checkbox"/> Water Tank <input type="checkbox"/> Landfill <input type="checkbox"/> Other		<b>MARKING/PAINTING/LIGHTING PREFERRED</b> <input type="checkbox"/> Red Lights & Paint <input type="checkbox"/> White- medium intensity <input type="checkbox"/> White- high intensity <input type="checkbox"/> Dual- red & medium intensity white <input type="checkbox"/> Dual- red & high intensity white <input checked="" type="checkbox"/> Other Painted Spherical Marker Balls			
<b>LATITUDE</b> 37°23'56.06N"		<b>LONGITUDE</b> 82°56'54.77W"		<b>DATUM</b> <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> Other	
<b>NEAREST KENTUCKY</b> City Hindman County Knott		<b>NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT</b> Wendell H. Ford Airport			
<b>SITE ELEVATION (AMSL, feet)</b> 1094		<b>TOTAL STRUCTURE HEIGHT (AGL, feet)</b> 281		<b>CURRENT (FAA aeronautical study #)</b> 2012-ASO-10520-OE	
<b>OVERALL HEIGHT (site elevation plus total structure height, feet)</b> 1375				<b>PREVIOUS (FAA aeronautical study #)</b> N/A	
<b>DISTANCE (from nearest Kentucky public use or Military airport to structure)</b> 16.8 miles from Cat. 104-105.				<b>PREVIOUS (KY aeronautical study #)</b> N/A	
<b>DIRECTION (from nearest Kentucky public use or Military airport to structure)</b> East to Cat. 104-105.					
<b>DESCRIPTION OF LOCATION (Attach USGS 7.5 minute quadrangle map or an airport layout drawing with the precise site marked and any certified survey.)</b> TOPO Map is located on Page 4 of each FAA Determination					
<b>DESCRIPTION OF PROPOSAL</b> This filing is not for a structure, but is a point on a static wire where it is the highest AGL. This is a proposal for the use of painted spherical marker balls on the static wire of a span in the Bonnyman - Softshell 138kV Circuit.					
<b>FAA Form 7460-1 (Has the "Notice of Construction or Alteration" been filed with the Federal Aviation Administration?)</b> <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, when? 11/2/2012					
<b>CERTIFICATION (I hereby certify that all the above entries, made by me, are true, complete, and correct to the best of my knowledge and belief.)</b>					
<b>PENALTIES (Persons failing to comply with KRS 183.861 to 183.990 and 602 KAR 050 are liable for fines and/or imprisonment as set forth in KRS 183.990(3). Noncompliance with FAA regulations may result in further penalties.)</b>					
<b>NAME</b> Erica Cutler	<b>TITLE</b> Design Engineer	<b>SIGNATURE</b> 		<b>DATE</b> 5/9/2013	
<b>COMMISSION ACTION</b> <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved					
<b>SIGNATURE</b> 				<b>DATE</b> 6 28-13	
<input checked="" type="checkbox"/> Chairperson, KAZC <input checked="" type="checkbox"/> Administrator, KAZC					



Note: Point 'A' = The Highest Elevation Point  
On The Top Most Wire of The  
Section of Sag Over 200' AGL.

Structure  
K408-3



Scale:  
Horiz: 1" = 200'  
Vert: 1" = 40'

Exhibit 1



Mail Processing Center  
 Federal Aviation Administration  
 Southwest Regional Office  
 Obstruction Evaluation Group  
 2601 Meacham Boulevard  
 Fort Worth, TX 76137

Aeronautical Study No.  
 2013-ASO-3163-OE

Issued Date: 07/10/2013

Erica Cutler  
 Power Engineers for AEP  
 1041 521 Corporate Center Drive, Suite 105  
 Fort Mill, SC 29707

**\*\* DETERMINATION OF NO HAZARD TO AIR NAVIGATION \*\***

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure: Power Line Cat 2-3 (Point on Static Wire)  
 Location: Hazard, KY  
 Latitude: 37-17-33.94N NAD 83  
 Longitude: 83-14-02.57W  
 Heights: 919 feet site elevation (SE)  
 249 feet above ground level (AGL)  
 1168 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

As a condition to this Determination, the structure is marked/lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, spherical markers and red lights - Chapters 3(Marked), 4,5(Red),&12.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

Any height exceeding 249 feet above ground level (1168 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 01/10/2015 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.
- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within

6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

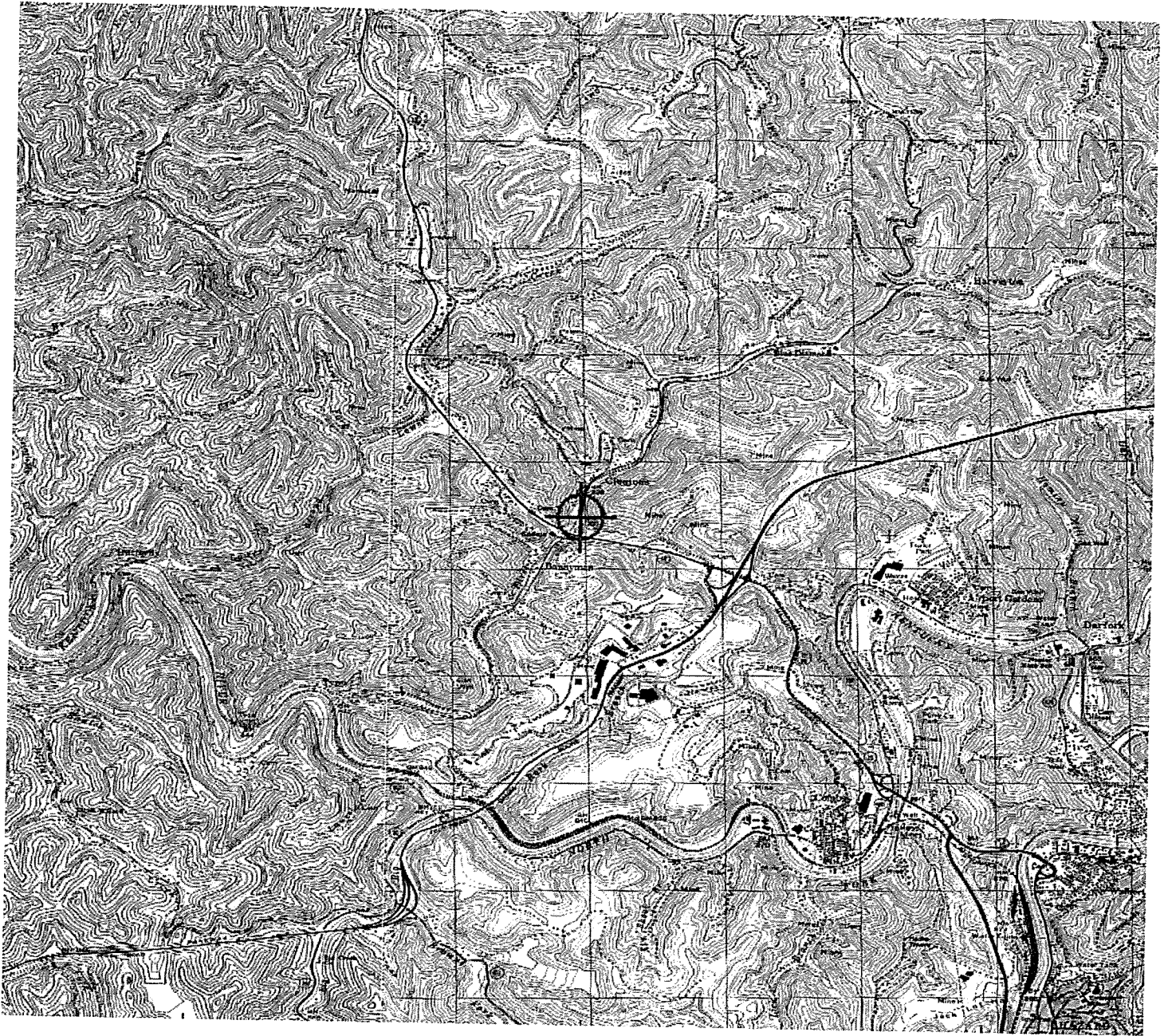
If we can be of further assistance, please contact our office at (847) 294-7458. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2013-ASO-3163-OE.

**Signature Control No: 188374294-193437742**

Fred Souchet  
Specialist

( DNE )

Attachment(s)  
Map(s)





Notice of Proposed Construction or Alteration - Off Airport

Project Name: POWER-000221073-12

Sponsor: Power Engineers for AEP

Details for Case : Cat 7-8 (Point on Static Wire)

Show Project Summary

Case Status

ASN: 2012-ASO-10492-OE  
Status: Determined

Date Accepted: 11/02/2012  
Date Determined: 01/22/2013  
Letters: 01/22/2013 DNE

7460-2 (PART II) required within 5 days after the construction reaches its greatest height.

Documents: 11/01/2012 FAA\_7 to 8\_Exb 2-...

Add Supplemental Notice (7460-2)

Public Comments: None

Project Documents:  
None

Construction / Alteration Information

Notice Of: Construction  
Duration: Permanent  
**if Temporary :** Months: Days:  
Work Schedule - Start: 04/15/2013  
Work Schedule - End: 10/16/2014

Structure Summary

Structure Type: Transmission Line  
Structure Name: Cat 7-8 (Point on Static Wire)  
NOTAM Number:  
FCC Number:  
Prior ASN:

*\*For temporary cranes-Does the permanent structure require separate notice to the FAA? To find out, use the Notice Criteria Tool. If separate notice is required, please ensure it is filed. If it is not filed, please state the reason in the Description of Proposal.*

State Filing:

Structure Details

Latitude: 37° 17' 59.92" N  
Longitude: 83° 13' 22.82" W  
Horizontal Datum: NAD83  
Site Elevation (SE): 1049 (nearest foot)  
Structure Height (AGL): 338 (nearest foot)  
Current Height (AGL): (nearest foot)  
*\* For notice of alteration or existing provide the current AGL height of the existing structure. Include details in the Description of Proposal*  
Nacelle Height (AGL): (nearest foot)  
*\* For Wind Turbines 500ft AGL or greater*

Common Frequency Bands

Low Freq High Freq Freq Unit ERP ERP Unit

Specific Frequencies

Requested Marking/Lighting: Spherical Markers

**Other :**

Recommended Marking/Lighting: Dual medium catenary

Current Marking/Lighting: N/A New Structure

**Other :**

Nearest City: Hazard

Nearest State: Kentucky

Description of Location: Mountainous terrain in eastern Kentucky

Description of Proposal: This filing is not for a structure, but is a point on a static wire where it is the highest AGL. (See attached exhibit) Bonnyman to Soft Shell 138kV K408.

Note: Point 'A' = The Highest Elevation Point  
On The Top Most Wire of The  
Section of Sag Over 200' AGL.

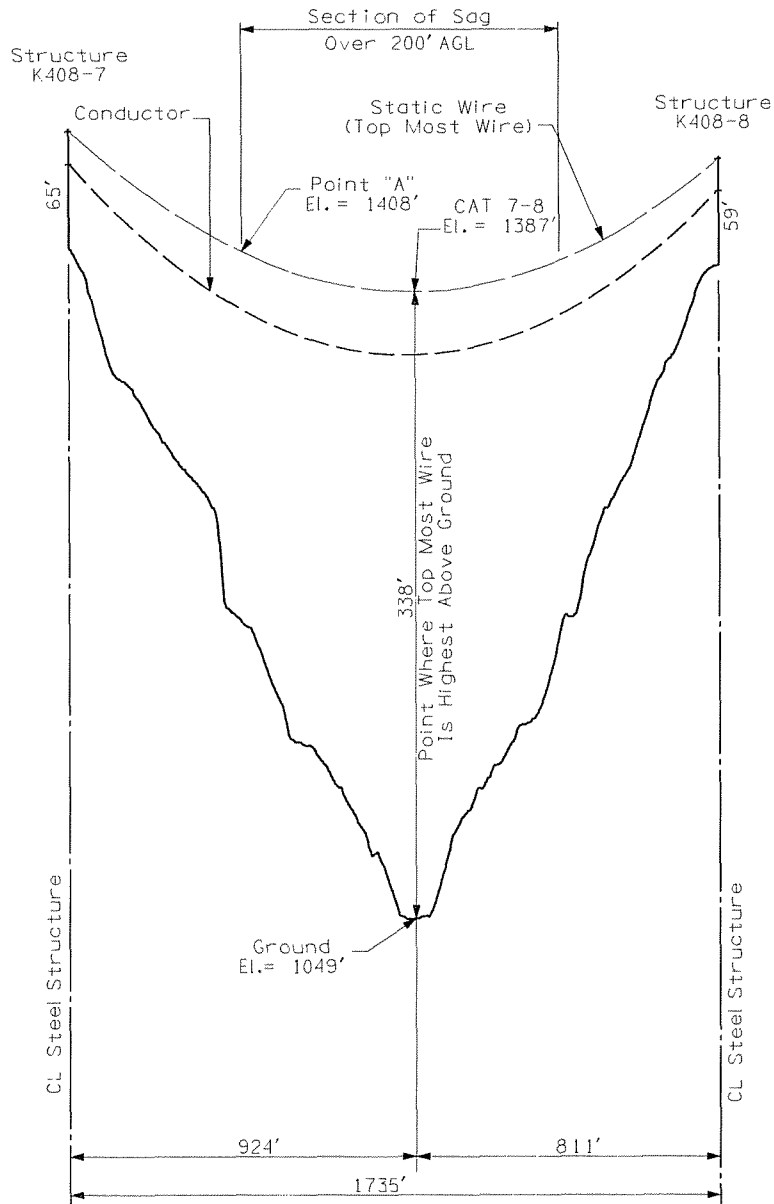


Exhibit 2

Scale:  
Horiz: 1" = 400'  
Vert: 1" = 80'



Mail Processing Center  
 Federal Aviation Administration  
 Southwest Regional Office  
 Obstruction Evaluation Group  
 2601 Meacham Boulevard  
 Fort Worth, TX 76137

Aeronautical Study No.  
 2012-ASO-10492-OE

Issued Date: 01/22/2013

Erica Cutler  
 Power Engineers for AEP  
 1041 521 Corporate Center Drive, Suite 105  
 Fort Mill, SC 29707

**\*\* DETERMINATION OF NO HAZARD TO AIR NAVIGATION \*\***

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Transmission Line Cat 7-8 (Point on Static Wire)
Location:	Hazard, KY
Latitude:	37-17-59.92N NAD 83
Longitude:	83-13-22.82W
Heights:	1049 feet site elevation (SE) 338 feet above ground level (AGL) 1387 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

As a condition to this Determination, the structure is marked/lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, dual medium catenary - Chapters 4,10(Catenary),&12.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

**See attachment for additional condition(s) or information.**

Any height exceeding 338 feet above ground level (1387 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 07/22/2014 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.

- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

If we can be of further assistance, please contact our office at (847) 294-7458. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2012-ASO-10492-OE.

**Signature Control No: 176289961-181532386**

Fred Souchet  
Specialist

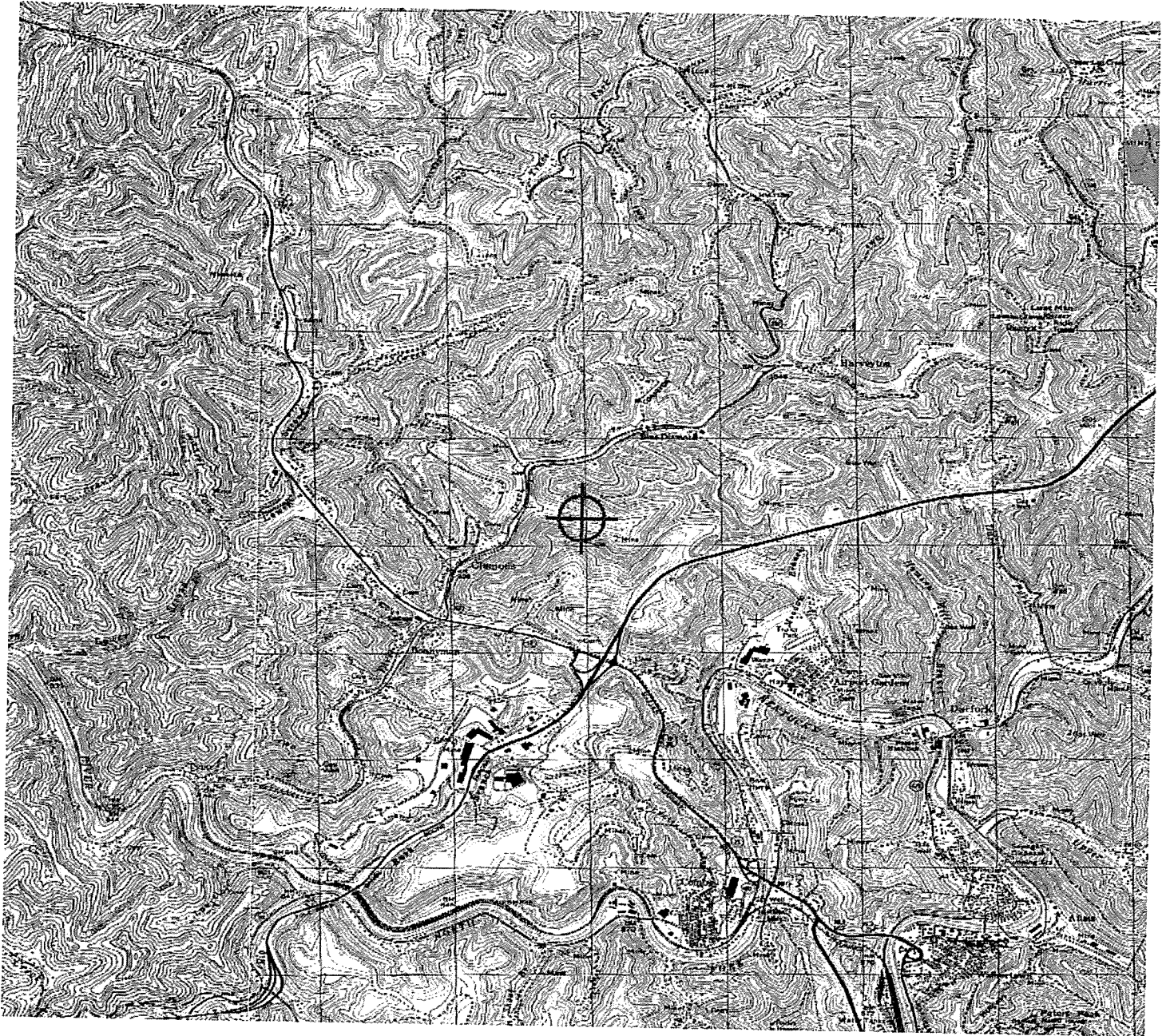
( DNE )

Attachment(s)  
Additional Information  
Map(s)



**Additional information for ASN 2012-ASO-10492-OE**

Based on this evaluation the request for Spherical Markers cannot be granted . Spherical Markers are required if the wire voltage is less than 69 KV. The wire voltage for the above transmission lines is 138kV. Therefore, IAW AC 70/7460-1 K Change 2 this structure is to be marked/lighted with dual medium catenary lighting - Chapters 4, 10 (Centenary) & 12.





### Notice of Proposed Construction or Alteration - Off Airport

Project Name: POWER-000221076-12

Sponsor: Power Engineers for AEP

#### Details for Case : Cat 10-11 (Point on Static Wire)

Show Project Summary

##### Case Status

ASN: 2012-ASO-10521-OE  
Status: Determined

Date Accepted: 11/02/2012

Date Determined: 01/22/2013

Letters: 01/22/2013 DNE

Documents: 11/01/2012 FAA\_10 to 11\_Exp ...

7460-2 (PART II) required within 5 days after the construction reaches its greatest height.

Add Supplemental Notice (7460-2)

Public Comments: None

Project Documents: None

##### Construction / Alteration Information

Notice Of: Construction  
Duration: Permanent  
**if Temporary :** Months: Days:  
Work Schedule - Start: 04/15/2013  
Work Schedule - End: 10/16/2014

##### Structure Summary

Structure Type: Transmission Line  
Structure Name: Cat 10-11 (Point on Static Wire)  
NOTAM Number:  
FCC Number:  
Prior ASN:

*\*For temporary cranes-Does the permanent structure require separate notice to the FAA? To find out, use the Notice Criteria Tool. If separate notice is required, please ensure it is filed. If it is not filed, please state the reason in the Description of Proposal.*

State Filing:

##### Structure Details

Latitude: 37° 18' 13.70" N  
Longitude: 83° 12' 52.98" W  
Horizontal Datum: NAD83  
Site Elevation (SE): 1231 (nearest foot)  
Structure Height (AGL): 208 (nearest foot)  
Current Height (AGL): (nearest foot)  
*\* For notice of alteration or existing provide the current AGL height of the existing structure. Include details in the Description of Proposal*  
Nacelle Height (AGL): (nearest foot)  
*\* For Wind Turbines 500ft AGL or greater*

##### Common Frequency Bands

Low Freq High Freq Freq Unit ERP ERP Unit

##### Specific Frequencies

Requested Marking/Lighting: Spherical Markers

**Other :**

Recommended Marking/Lighting: Dual medium catenary

Current Marking/Lighting: N/A New Structure

**Other :**

Nearest City: Hazard

Nearest State: Kentucky

Description of Location: Mountainous terrain in eastern Kentucky

Description of Proposal: This filing is not for a structure, but is a point on a static wire where it is the highest AGL. (See attached exhibit) Bonnyman to Soft Shell 138kV K408.

Note: Point 'A' = The Highest Elevation Point  
On The Top Most Wire of The  
Section of Sag Over 200' AGL.

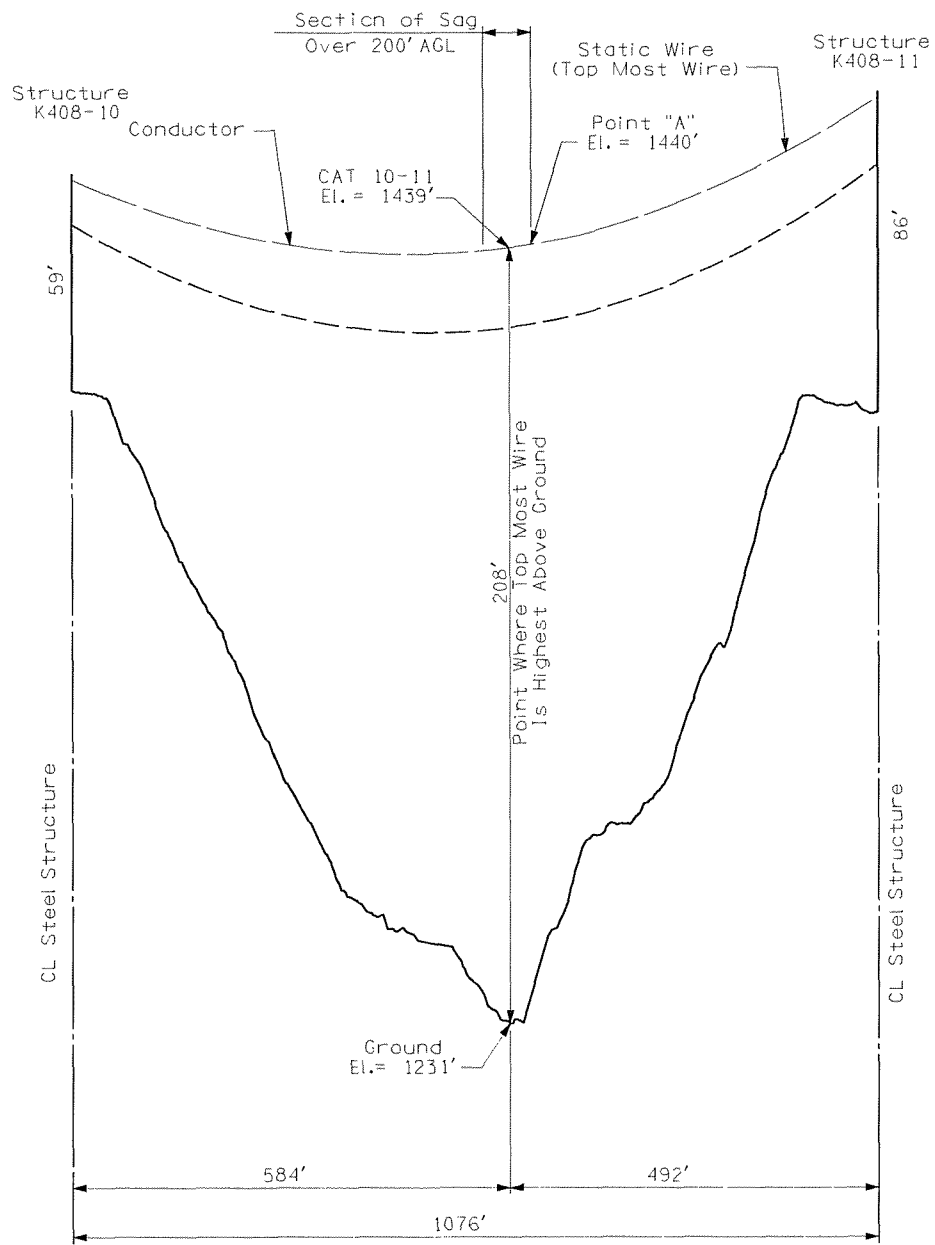


Exhibit 3

Scale:  
Horiz: 1" = 200'  
Vert: 1" = 40'



Mail Processing Center  
 Federal Aviation Administration  
 Southwest Regional Office  
 Obstruction Evaluation Group  
 2601 Meacham Boulevard  
 Fort Worth, TX 76137

Aeronautical Study No.  
 2012-ASO-10521-OE

Issued Date: 01/22/2013

Erica Cutler  
 Power Engineers for AEP  
 1041 521 Corporate Center Drive, Suite 105  
 Fort Mill, SC 29707

**\*\* DETERMINATION OF NO HAZARD TO AIR NAVIGATION \*\***

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Transmission Line Cat 10-11 (Point on Static Wire)
Location:	Hazard, KY
Latitude:	37-18-13.70N NAD 83
Longitude:	83-12-52.98W
Heights:	1231 feet site elevation (SE)
	208 feet above ground level (AGL)
	1439 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

As a condition to this Determination, the structure is marked/lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, dual medium catenary - Chapters 4,10(Catenary),&12.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

**See attachment for additional condition(s) or information.**

While the structure does not constitute a hazard to air navigation, it would be located within or near a military training area and/or route.

This determination expires on 07/22/2014 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.

- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

If we can be of further assistance, please contact our office at (847) 294-7458. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2012-ASO-10521-OE.

**Signature Control No: 176290067-181532605**

Fred Souchet  
Specialist

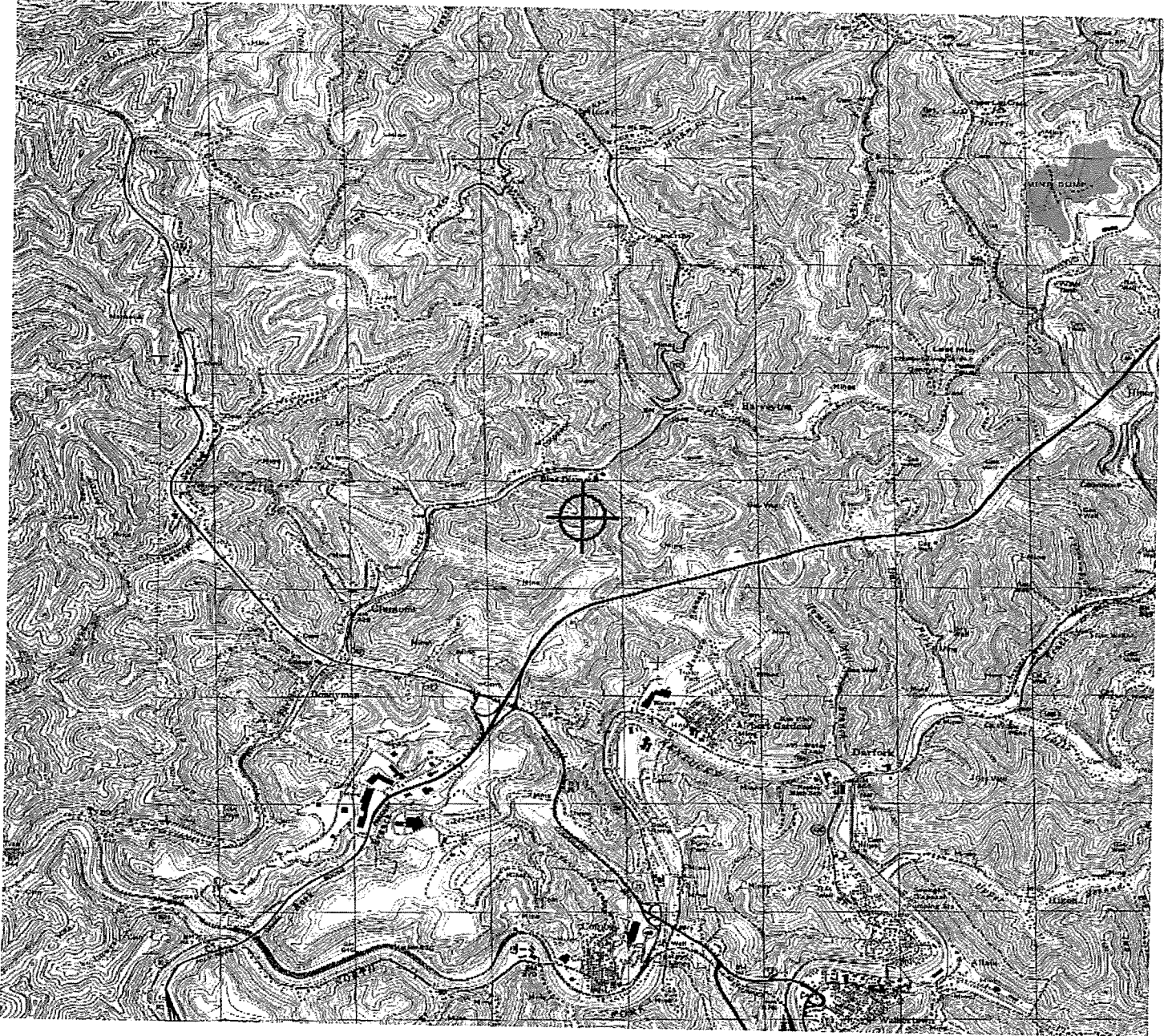
( DNE )

Attachment(s)  
Additional Information  
Map(s)

**Additional information for ASN 2012-ASO-10521-OE**

Based on this evaluation the request for Spherical Markers cannot be granted . Spherical Markers are required if the wire voltage is less than 69 KV. The wire voltage for the above transmission lines is 138kV. Therefore, IAW AC 70/7460-1 K Change 2 this structure is to be marked/lighted with dual medium catenary lighting - Chapters 4, 10 (Centenary) & 12.









### Notice of Proposed Construction or Alteration - Off Airport

Project Name: POWER-000221054-12

Sponsor: Power Engineers for AEP

#### Details for Case : Cat 12-13 (Point on Static Wire)

Show Project Summary

##### Case Status

ASN: 2012-ASO-10491-OE

Status: Determined

7460-2 (PART II) required within 5 days after the construction reaches its greatest height.

Add Supplemental Notice (7460-2)

Public Comments: None

Date Accepted: 11/02/2012

Date Determined: 01/22/2013

Letters: 01/22/2013 DNE

Documents: 11/02/2012 FAA\_12 to 13\_Exb ...

Project Documents: None

##### Construction / Alteration Information

Notice Of: Construction

Duration: Permanent

*if Temporary :* Months: Days:

Work Schedule - Start: 04/15/2013

Work Schedule - End: 10/16/2014

*\*For temporary cranes-Does the permanent structure require separate notice to the FAA? To find out, use the Notice Criteria Tool. If separate notice is required, please ensure it is filed. If it is not filed, please state the reason in the Description of Proposal.*

State Filing:

##### Structure Summary

Structure Type: Transmission Line

Structure Name: Cat 12-13 (Point on Static Wire)

NOTAM Number:

FCC Number:

Prior ASN:

##### Structure Details

Latitude: 37° 18' 18.60" N

Longitude: 83° 12' 31.25" W

Horizontal Datum: NAD83

Site Elevation (SE): 1066 (nearest foot)

Structure Height (AGL): 259 (nearest foot)

Current Height (AGL): (nearest foot)

*\* For notice of alteration or existing provide the current AGL height of the existing structure.*

*Include details in the Description of Proposal*

Nacelle Height (AGL): (nearest foot)

*\* For Wind Turbines 500ft AGL or greater*

Requested Marking/Lighting: Spherical Markers

**Other :**

Recommended Marking/Lighting: Dual medium catenary

Current Marking/Lighting: N/A New Structure

**Other :**

Nearest City: Hazard

Nearest State: Kentucky

Description of Location: Mountainous terrain in eastern Kentucky

Description of Proposal: This filing is not for a structure, but is a point on a static wire where it is the highest AGL. (See attached exhibit) Bonnyman to Soft Shell 138kV K408.

##### Common Frequency Bands

Low Freq High Freq Freq Unit ERP ERP Unit

##### Specific Frequencies

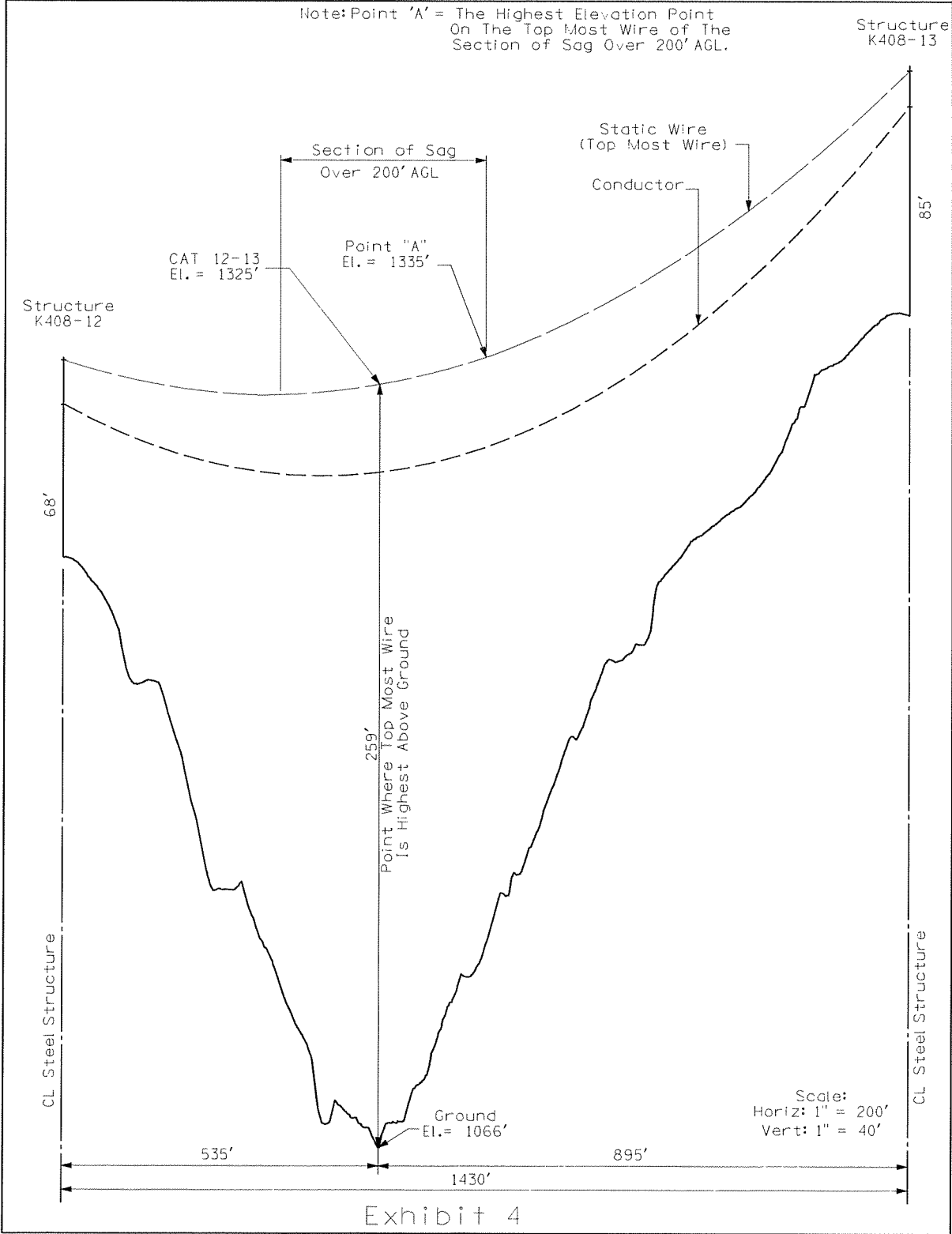


Exhibit 4



Mail Processing Center  
 Federal Aviation Administration  
 Southwest Regional Office  
 Obstruction Evaluation Group  
 2601 Meacham Boulevard  
 Fort Worth, TX 76137

Aeronautical Study No.  
 2012-ASO-10491-OE

Issued Date: 01/22/2013

Erica Cutler  
 Power Engineers for AEP  
 1041 521 Corporate Center Drive, Suite 105  
 Fort Mill, SC 29707

**\*\* DETERMINATION OF NO HAZARD TO AIR NAVIGATION \*\***

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Transmission Line Cat 12-13 (Point on Static Wire)
Location:	Hazard, KY
Latitude:	37-18-18.60N NAD 83
Longitude:	83-12-31.25W
Heights:	1066 feet site elevation (SE) 259 feet above ground level (AGL) 1325 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

As a condition to this Determination, the structure is marked/lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, dual medium catenary - Chapters 4,10(Catenary),&12.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

**See attachment for additional condition(s) or information.**

Any height exceeding 259 feet above ground level (1325 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 07/22/2014 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.

- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

If we can be of further assistance, please contact our office at (847) 294-7458. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2012-ASO-10491-OE.

**Signature Control No: 176289926-181532391**

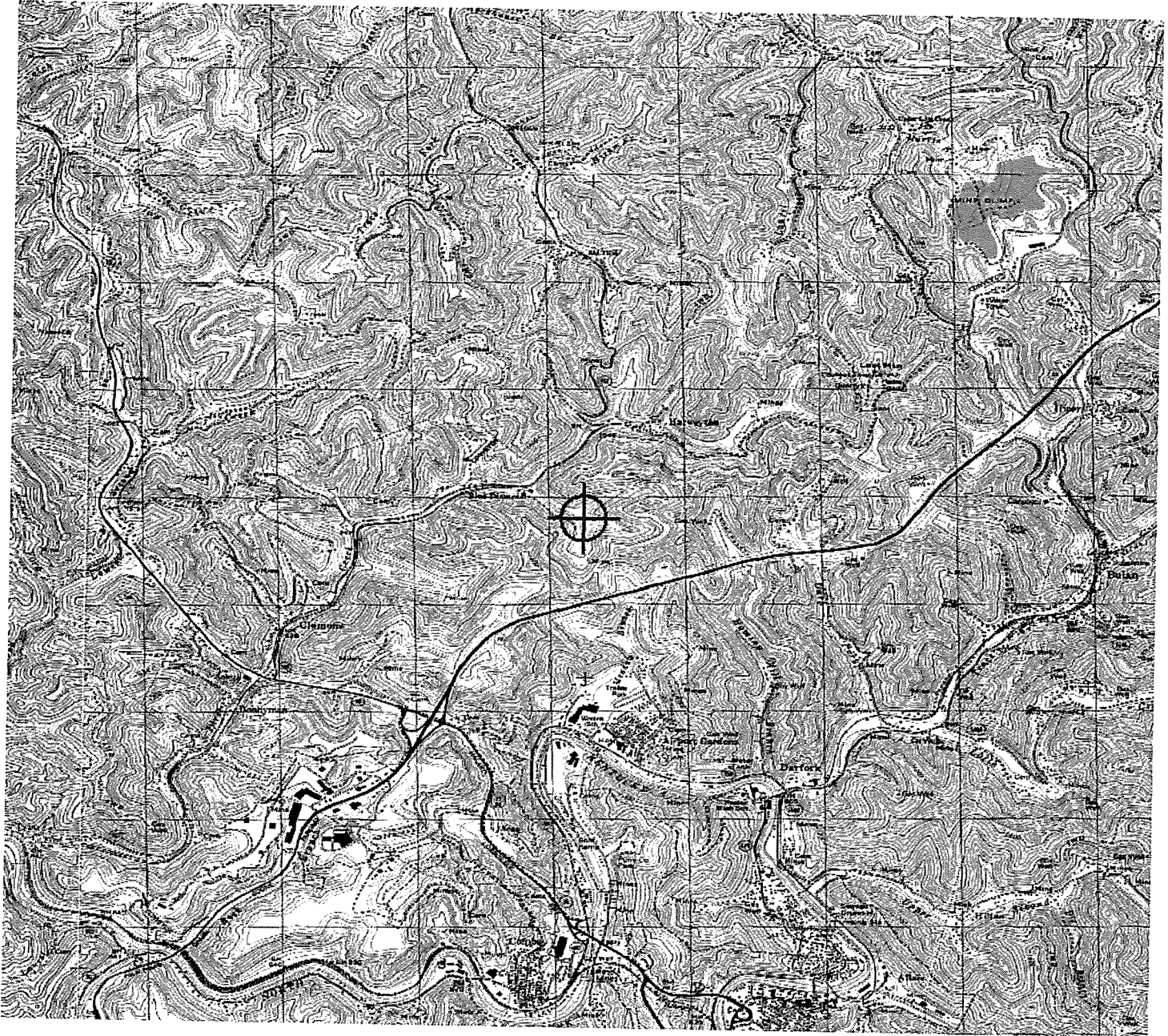
( DNE )

Fred Souchet  
Specialist

Attachment(s)  
Additional Information  
Map(s)

## **Additional information for ASN 2012-ASO-10491-OE**

Based on this evaluation the request for Spherical Markers cannot be granted . Spherical Markers are required if the wire voltage is less than 69 KV. The wire voltage for the above transmission lines is 138kV. Therefore, IAW AC 70/7460-1 K Change 2 this structure is to be marked/lighted with dual medium catenary lighting - Chapters 4, 10 (Centenary) & 12.





### Notice of Proposed Construction or Alteration - Off Airport

Project Name: POWER-000221079-12

Sponsor: Power Engineers for AEP

#### Details for Case : Cat 14-15 (Point on Static Wire)

Show Project Summary

##### Case Status

ASN: 2012-ASO-10522-OE  
Status: Determined

7460-2 (PART II) required within 5 days after the construction reaches its greatest height.

Add Supplemental Notice (7460-2)

Public Comments: None

Date Accepted: 11/02/2012

Date Determined: 01/22/2013

Letters: 01/22/2013 DNE  
11/07/2012 ADD

Documents: 11/01/2012 FAA\_14 to 15\_Exb ...

Project Documents: None

##### Construction / Alteration Information

Notice Of: Construction  
Duration: Permanent  
*if Temporary :* Months: Days:  
Work Schedule - Start: 04/15/2013  
Work Schedule - End: 10/16/2014

*\*For temporary cranes-Does the permanent structure require separate notice to the FAA? To find out, use the Notice Criteria Tool. If separate notice is required, please ensure it is filed. If it is not filed, please state the reason in the Description of Proposal.*

State Filing:

##### Structure Summary

Structure Type: Transmission Line  
Structure Name: Cat 14-15 (Point on Static Wire)  
NOTAM Number:  
FCC Number:  
Prior ASN:

##### Structure Details

Latitude: 37° 18' 25.97" N  
Longitude: 83° 12' 8.03" W  
Horizontal Datum: NAD83  
Site Elevation (SE): 1329 (nearest foot)  
Structure Height (AGL): 213 (nearest foot)  
Current Height (AGL): (nearest foot)

*\* For notice of alteration or existing provide the current AGL height of the existing structure. Include details in the Description of Proposal*

Nacelle Height (AGL): (nearest foot)  
*\* For Wind Turbines 500ft AGL or greater*

Requested Marking/Lighting: Spherical Markers

**Other :**

Recommended Marking/Lighting: Dual medium catenary

Current Marking/Lighting: N/A New Structure

**Other :**

Nearest City: Hazard

Nearest State: Kentucky

Description of Location: Mountainous terrain in eastern Kentucky

Description of Proposal: This filing is not for a structure, but is a point on a static wire where it is the highest AGL. (See attached exhibit) Bonnyman to Soft Shell 138kV K408.

##### Common Frequency Bands

Low Freq High Freq Freq Unit ERP ERP Unit

##### Specific Frequencies

Note: Point 'A' = The Highest Elevation Point  
On The Top Most Wire of The  
Section of Sag Over 200' AGL.

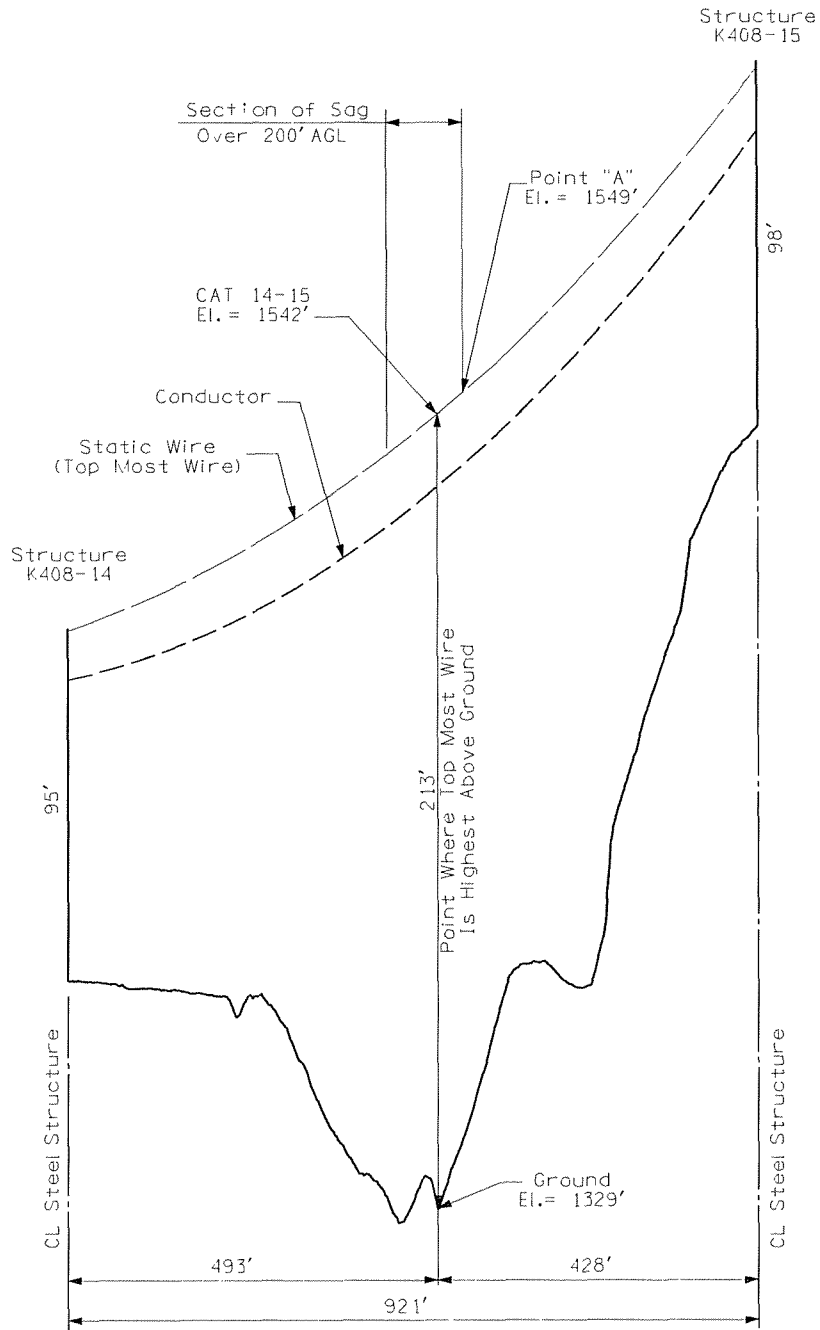


Exhibit 5

Scale:  
Horiz: 1" = 200'  
Vert: 1" = 40'





Mail Processing Center  
 Federal Aviation Administration  
 Southwest Regional Office  
 Obstruction Evaluation Group  
 2601 Meacham Boulevard  
 Fort Worth, TX 76137

Aeronautical Study No.  
 2012-ASO-10522-OE

Issued Date: 01/22/2013

Erica Cutler  
 Power Engineers for AEP  
 1041 521 Corporate Center Drive, Suite 105  
 Fort Mill, SC 29707

**\*\* DETERMINATION OF NO HAZARD TO AIR NAVIGATION \*\***

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure: Transmission Line Cat 14-15 (Point on Static Wire)  
 Location: Hazard, KY  
 Latitude: 37-18-25.97N NAD 83  
 Longitude: 83-12-08.03W  
 Heights: 1329 feet site elevation (SE)  
 213 feet above ground level (AGL)  
 1542 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

As a condition to this Determination, the structure is marked/lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, dual medium catenary - Chapters 4,10(Catenary),&12.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

**See attachment for additional condition(s) or information.**

While the structure does not constitute a hazard to air navigation, it would be located within or near a military training area and/or route.

This determination expires on 07/22/2014 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.

- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

If we can be of further assistance, please contact our office at (847) 294-7458. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2012-ASO-10522-OE.

**Signature Control No: 176290113-181532606**

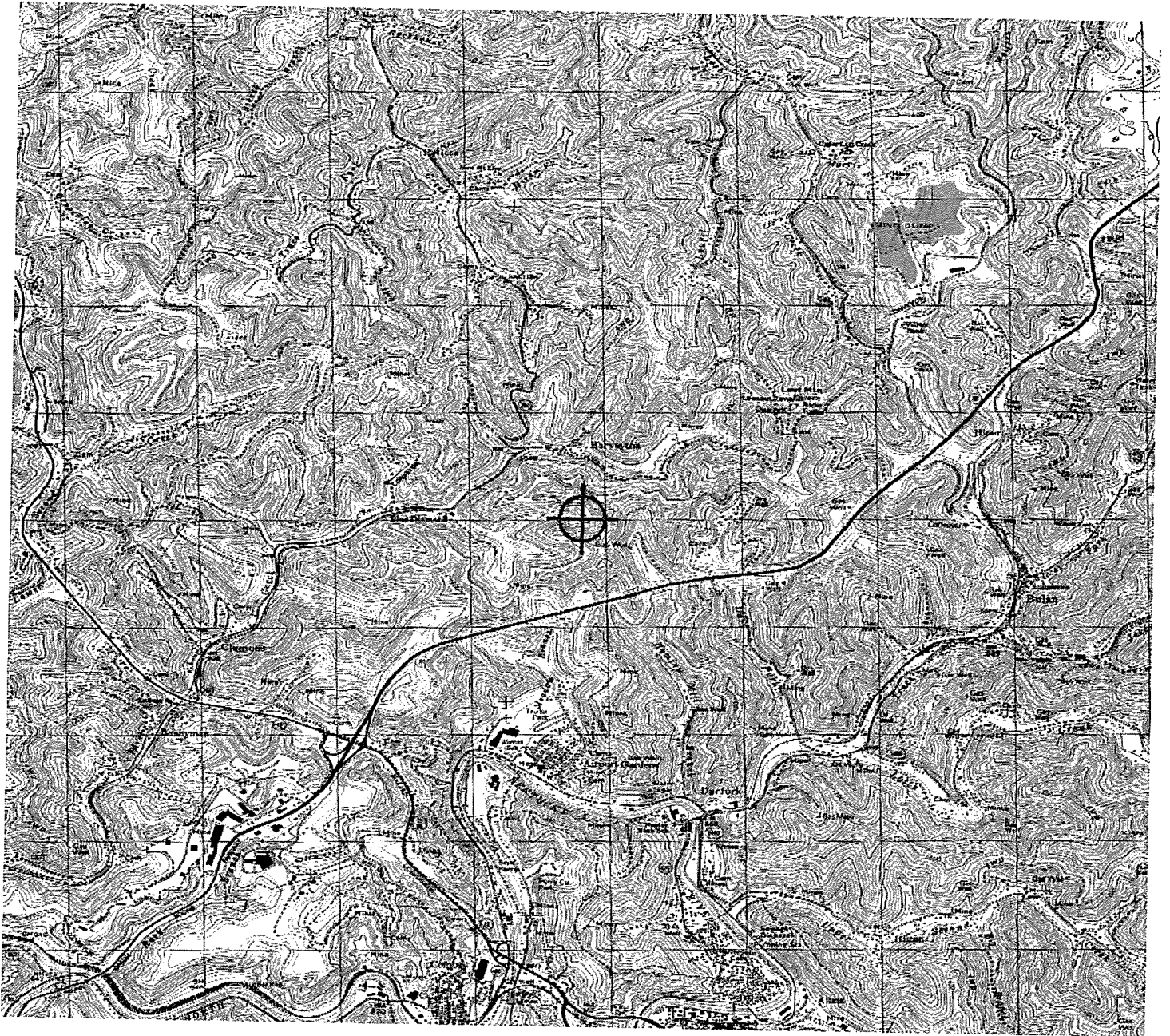
Fred Souchet  
Specialist

( DNE )

Attachment(s)  
Additional Information  
Map(s)

**Additional information for ASN 2012-ASO-10522-OE**

Based on this evaluation the request for Spherical Markers cannot be granted . Spherical Markers are required if the wire voltage is less than 69 KV. The wire voltage for the above transmission lines is 138kV. Therefore, IAW AC 70/7460-1 K Change 2 this structure is to be marked/lighted with dual medium catenary lighting - Chapters 4, 10 (Centenary) & 12.





### Notice of Proposed Construction or Alteration - Off Airport

Project Name: POWER-000221079-12

Sponsor: Power Engineers for AEP

#### Details for Case : Cat 16-17 (Point on Static Wire)

Show Project Summary

#### Case Status

ASN: 2012-ASO-10523-OE

Status: Determined

7460-2 (PART II) required within 5 days after the construction reaches its greatest height.

Add Supplemental Notice (7460-2)

Public Comments: None

Date Accepted: 11/02/2012

Date Determined: 01/22/2013

Letters: 01/22/2013 DNE

Documents: 11/01/2012 FAA\_16 to 17\_Exb ...

Project Documents: None

#### Construction / Alteration Information

Notice Of: Construction

Duration: Permanent

*if Temporary :* Months: Days:

Work Schedule - Start: 04/15/2013

Work Schedule - End: 10/16/2014

*\*For temporary cranes-Does the permanent structure require separate notice to the FAA? To find out, use the Notice Criteria Tool. If separate notice is required, please ensure it is filed. If it is not filed, please state the reason in the Description of Proposal.*

State Filing:

#### Structure Summary

Structure Type: Transmission Line

Structure Name: Cat 16-17 (Point on Static Wire)

NOTAM Number:

FCC Number:

Prior ASN:

#### Structure Details

Latitude: 37° 18' 27.07" N

Longitude: 83° 11' 49.47" W

Horizontal Datum: NAD83

Site Elevation (SE): 1272 (nearest foot)

Structure Height (AGL): 370 (nearest foot)

Current Height (AGL): (nearest foot)

*\* For notice of alteration or existing provide the current AGL height of the existing structure. Include details in the Description of Proposal*

Nacelle Height (AGL): (nearest foot)

*\* For Wind Turbines 500ft AGL or greater*

Requested Marking/Lighting: Spherical Markers

**Other :**

Recommended Marking/Lighting: Dual medium catenary

Current Marking/Lighting: N/A New Structure

**Other :**

Nearest City: Hazard

Nearest State: Kentucky

Description of Location: Mountainous terrain in eastern Kentucky

*On the Project Summary page upload any certified survey.*

Description of Proposal: This filing is not for a structure, but is a point on a static wire where it is the highest AGL. (See attached exhibit)Bonnyman to Soft Shell 138kV K408.

#### Common Frequency Bands

Low Freq High Freq Freq Unit ERP ERP Unit

#### Specific Frequencies

Note: Point 'A' = The Highest Elevation Point  
On The Top Most Wire of The  
Section of Sag Over 200' AGL.

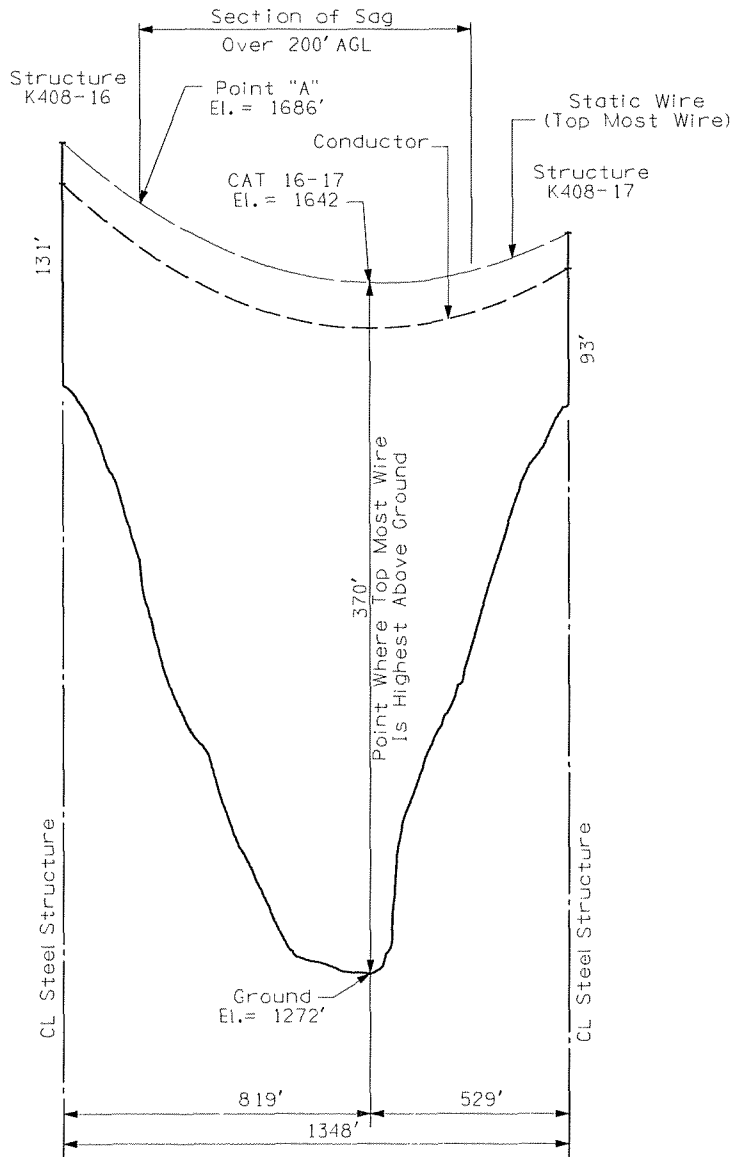


Exhibit 6

Scale:  
Horiz: 1" = 400'  
Vert: 1" = 80'



Mail Processing Center  
 Federal Aviation Administration  
 Southwest Regional Office  
 Obstruction Evaluation Group  
 2601 Meacham Boulevard  
 Fort Worth, TX 76137

Aeronautical Study No.  
 2012-ASO-10523-OE

Issued Date: 01/22/2013

Erica Cutler  
 Power Engineers for AEP  
 1041 521 Corporate Center Drive, Suite 105  
 Fort Mill, SC 29707

**\*\* DETERMINATION OF NO HAZARD TO AIR NAVIGATION \*\***

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Transmission Line Cat 16-17 (Point on Static Wire)
Location:	Hazard, KY
Latitude:	37-18-27.07N NAD 83
Longitude:	83-11-49.47W
Heights:	1272 feet site elevation (SE) 370 feet above ground level (AGL) 1642 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

As a condition to this Determination, the structure is marked/lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, dual medium catenary - Chapters 4,10(Catenary),&12.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

**See attachment for additional condition(s) or information.**

While the structure does not constitute a hazard to air navigation, it would be located within or near a military training area and/or route.

This determination expires on 07/22/2014 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.

- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

If we can be of further assistance, please contact our office at (847) 294-7458. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2012-ASO-10523-OE.

**Signature Control No: 176290114-181532604**

Fred Souchet  
Specialist

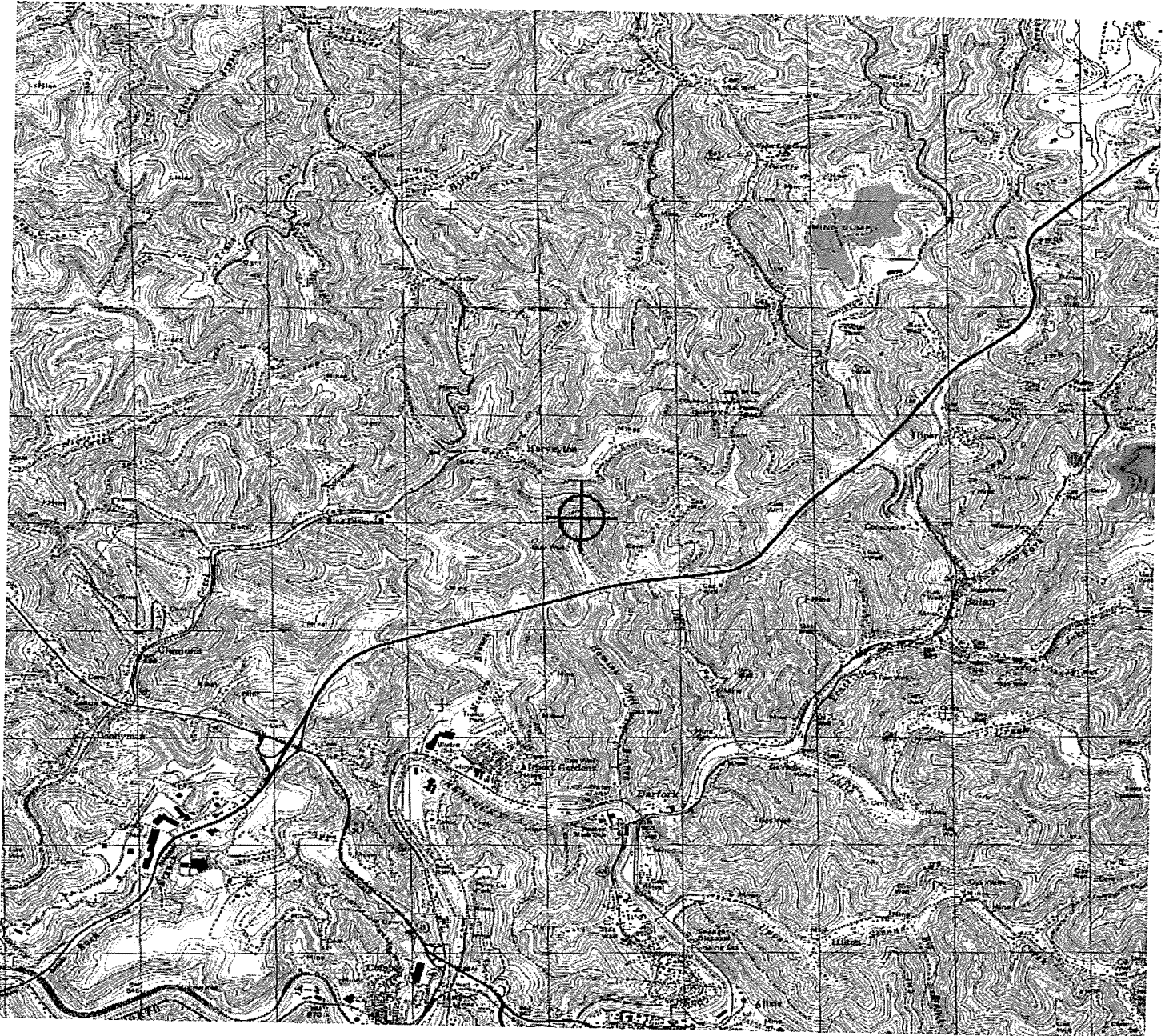
( DNE )

Attachment(s)  
Additional Information  
Map(s)



**Additional information for ASN 2012-ASO-10523-OE**

Based on this evaluation the request for Spherical Markers cannot be granted . Spherical Markers are required if the wire voltage is less than 69 KV. The wire voltage for the above transmission lines is 138kV. Therefore, IAW AC 70/7460-1 K Change 2 this structure is to be marked/lighted with dual medium catenary lighting - Chapters 4, 10 (Centenary) & 12.





### Notice of Proposed Construction or Alteration - Off Airport

Project Name: POWER-000221073-12

Sponsor: Power Engineers for AEP

#### Details for Case : Cat 17-18 (Point on Static Wire)

Show Project Summary

##### Case Status

ASN: 2012-ASO-10493-OE  
Status: Determined

Date Accepted: 11/02/2012

Date Determined: 01/22/2013

Letters: 01/22/2013 DNE

Documents: 11/01/2012 FAA\_17 to 18\_Exp ...

7460-2 (PART II) required within 5 days after the construction reaches its greatest height.

Add Supplemental Notice (7460-2)

Public Comments: None

Project Documents: None

##### Construction / Alteration Information

Notice Of: Construction  
Duration: Permanent  
**if Temporary :** Months: Days:  
Work Schedule - Start: 04/15/2013  
Work Schedule - End: 10/16/2014

##### Structure Summary

Structure Type: Transmission Line  
Structure Name: Cat 17-18 (Point on Static Wire)  
NOTAM Number:  
FCC Number:  
Prior ASN:

*\*For temporary cranes-Does the permanent structure require separate notice to the FAA? To find out, use the Notice Criteria Tool. If separate notice is required, please ensure it is filed. If it is not filed, please state the reason in the Description of Proposal.*

State Filing:

##### Structure Details

Latitude: 37° 18' 23.10" N  
Longitude: 83° 11' 26.47" W  
Horizontal Datum: NAD83  
Site Elevation (SE): 1064 (nearest foot)  
Structure Height (AGL): 355 (nearest foot)  
Current Height (AGL): (nearest foot)  
*\* For notice of alteration or existing provide the current AGL height of the existing structure. Include details in the Description of Proposal*

##### Common Frequency Bands

Low Freq High Freq Freq Unit ERP ERP Unit

##### Specific Frequencies

Nacelle Height (AGL): (nearest foot)  
*\* For Wind Turbines 500ft AGL or greater*

Requested Marking/Lighting: Spherical Markers

**Other :**

Recommended Marking/Lighting: Dual medium catenary

Current Marking/Lighting: N/A New Structure

**Other :**

Nearest City: Hazard

Nearest State: Kentucky

Description of Location: Mountainous terrain in eastern Kentucky

Description of Proposal: This filing is not for a structure, but is a point on a static wire where it is the highest AGL. (See attached exhibit) Bonnyman to Soft Shell 138kV K408.

Note: Point 'A' = The Highest Elevation Point  
On The Top Most Wire of The  
Section of Sag Over 200' AGL.

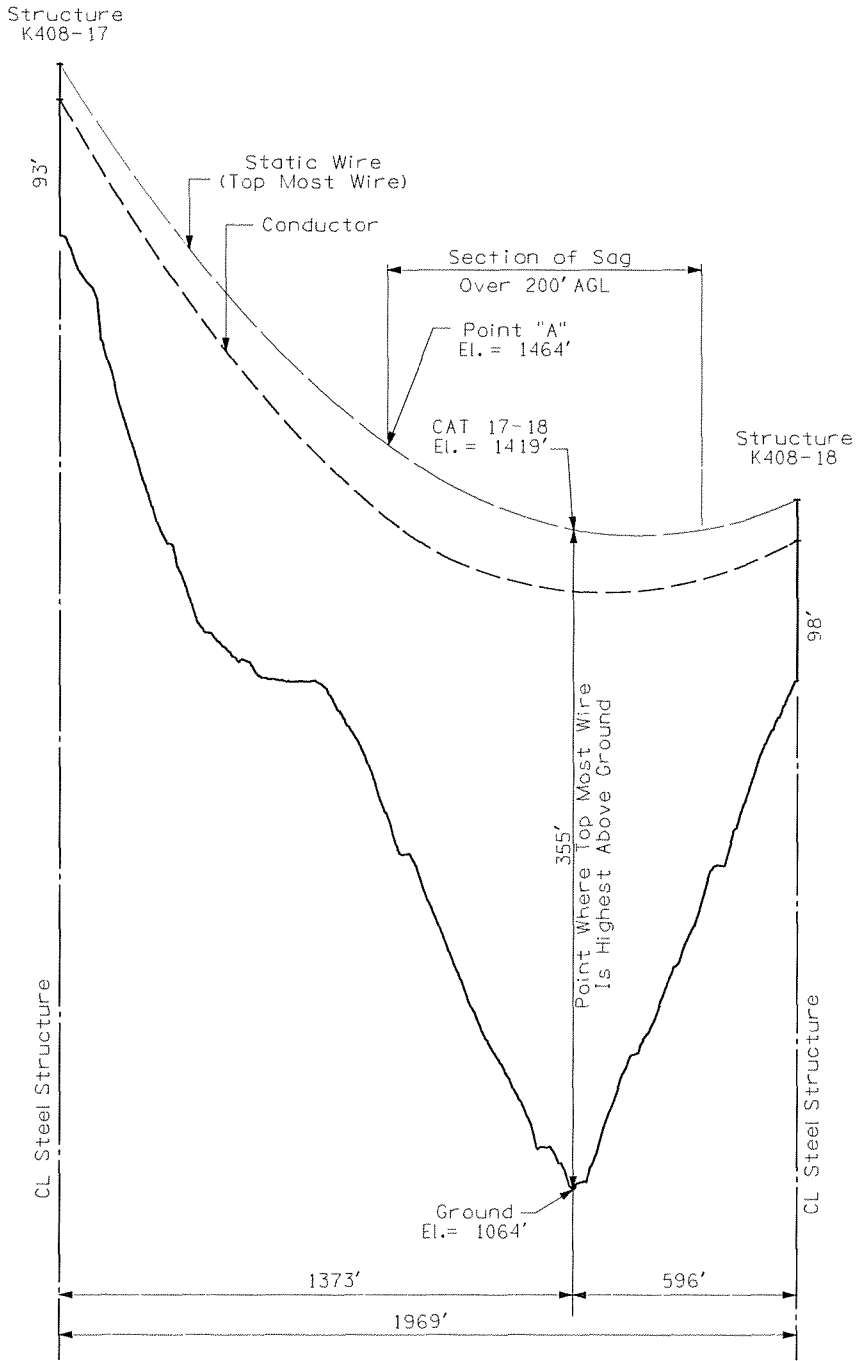


Exhibit 7

Scale:  
Horiz: 1" = 400'  
Vert: 1" = 80'



Mail Processing Center  
 Federal Aviation Administration  
 Southwest Regional Office  
 Obstruction Evaluation Group  
 2601 Meacham Boulevard  
 Fort Worth, TX 76137

Aeronautical Study No.  
 2012-ASO-10493-OE

Issued Date: 01/22/2013

Erica Cutler  
 Power Engineers for AEP  
 1041 521 Corporate Center Drive, Suite 105  
 Fort Mill, SC 29707

**\*\* DETERMINATION OF NO HAZARD TO AIR NAVIGATION \*\***

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure: Transmission Line Cat 17-18 (Point on Static Wire)  
 Location: Hazard, KY  
 Latitude: 37-18-23.10N NAD 83  
 Longitude: 83-11-26.47W  
 Heights: 1064 feet site elevation (SE)  
 355 feet above ground level (AGL)  
 1419 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

As a condition to this Determination, the structure is marked/lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, dual medium catenary - Chapters 4,10(Catenary),&12.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

**See attachment for additional condition(s) or information.**

Any height exceeding 355 feet above ground level (1419 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 07/22/2014 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.

- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

If we can be of further assistance, please contact our office at (847) 294-7458. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2012-ASO-10493-OE.

**Signature Control No: 176289962-181532389**  
Fred Souchet  
Specialist

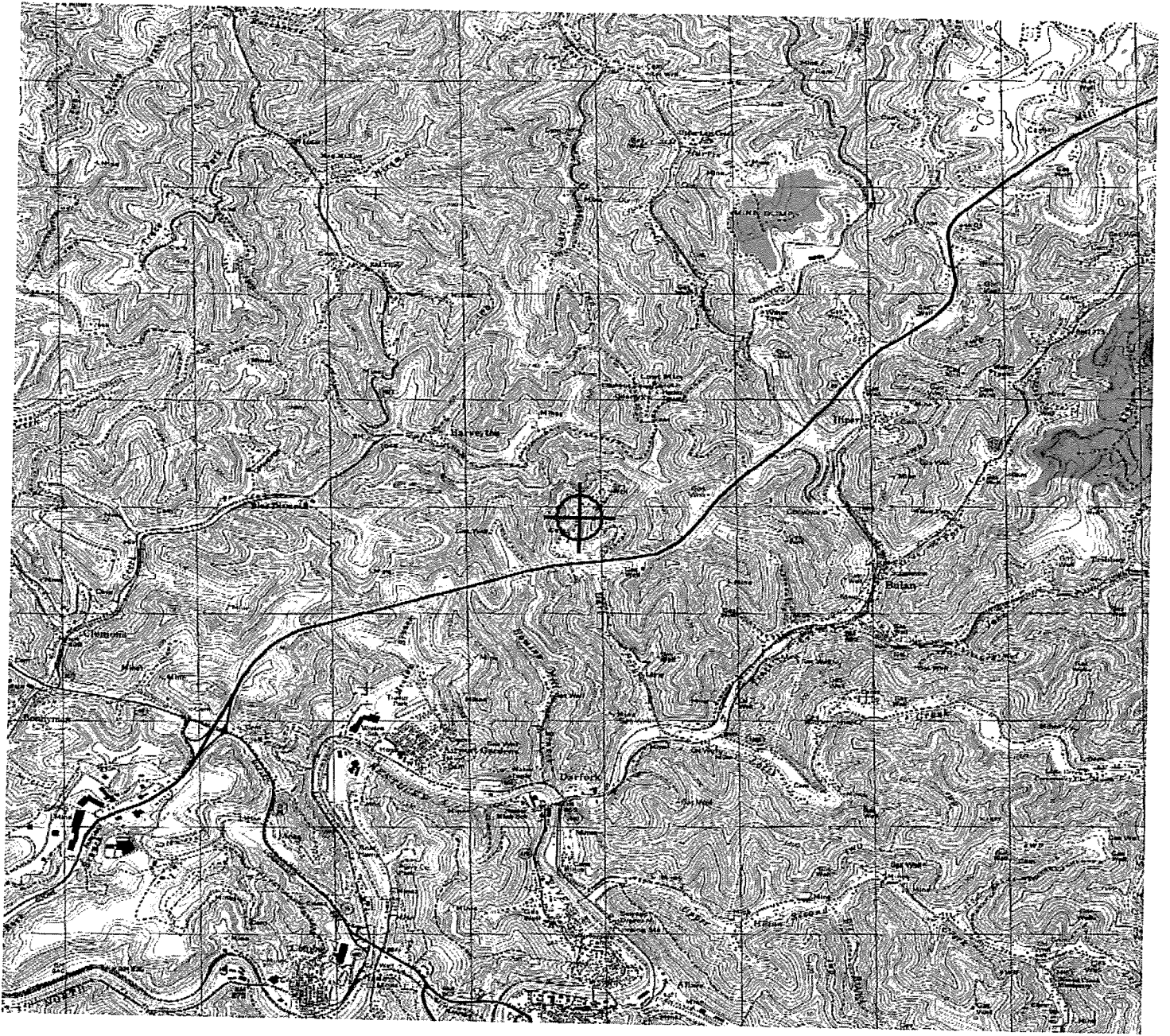
( DNE )

Attachment(s)  
Additional Information  
Map(s)

## **Additional information for ASN 2012-ASO-10493-OE**

Based on this evaluation the request for Spherical Markers cannot be granted . Spherical Markers are required if the wire voltage is less than 69 KV. The wire voltage for the above transmission lines is 138kV. Therefore, IAW AC 70/7460-1 K Change 2 this structure is to be marked/lighted with dual medium catenary lighting - Chapters 4, 10 (Centenary) & 12.









## Notice of Proposed Construction or Alteration - Off Airport

Project Name: POWER-000221073-12

Sponsor: Power Engineers for AEP

### Details for Case : Cat 18-19 (Point on Static Wire)

Show Project Summary

#### Case Status

ASN: 2012-ASO-10494-OE

Status: Determined

7460-2 (PART II) required within 5 days after the construction reaches its greatest height.

Add Supplemental Notice (7460-2)

Public Comments: None

Date Accepted: 11/02/2012

Date Determined: 01/22/2013

Letters: 01/22/2013 DNE

Documents: 11/01/2012 FAA\_18 to 19\_Exb ...

Project Documents:  
None

#### Construction / Alteration Information

Notice Of: Construction

Duration: Permanent

*if Temporary :* Months: Days:

Work Schedule - Start: 04/15/2013

Work Schedule - End: 10/16/2014

*\*For temporary cranes-Does the permanent structure require separate notice to the FAA? To find out, use the Notice Criteria Tool. If separate notice is required, please ensure it is filed. If it is not filed, please state the reason in the Description of Proposal.*

State Filing:

#### Structure Summary

Structure Type: Transmission Line

Structure Name: Cat 18-19 (Point on Static Wire)

NOTAM Number:

FCC Number:

Prior ASN:

#### Structure Details

Latitude: 37° 18' 20.86" N

Longitude: 83° 11' 13.90" W

Horizontal Datum: NAD83

Site Elevation (SE): 1243 (nearest foot)

Structure Height (AGL): 259 (nearest foot)

Current Height (AGL): (nearest foot)

*\* For notice of alteration or existing provide the current AGL height of the existing structure.*

*Include details in the Description of Proposal*

Nacelle Height (AGL): (nearest foot)

*\* For Wind Turbines 500ft AGL or greater*

Requested Marking/Lighting: Spherical Markers

**Other :**

Recommended Marking/Lighting: Dual medium catenary

Current Marking/Lighting: N/A New Structure

**Other :**

Nearest City: Hazard

Nearest State: Kentucky

Description of Location: Mountainous terrain in eastern Kentucky

Description of Proposal: This filing is not for a structure, but is a point on a static wire where it is the highest AGL. (See attached exhibit) Bonnyman to Soft Shell 138kV K408.

#### Common Frequency Bands

Low Freq	High Freq	Freq Unit	ERP	ERP Unit
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#### Specific Frequencies

Note: Point 'A' = The Highest Elevation Point  
On The Top Most Wire of The  
Section of Sag Over 200' AGL.

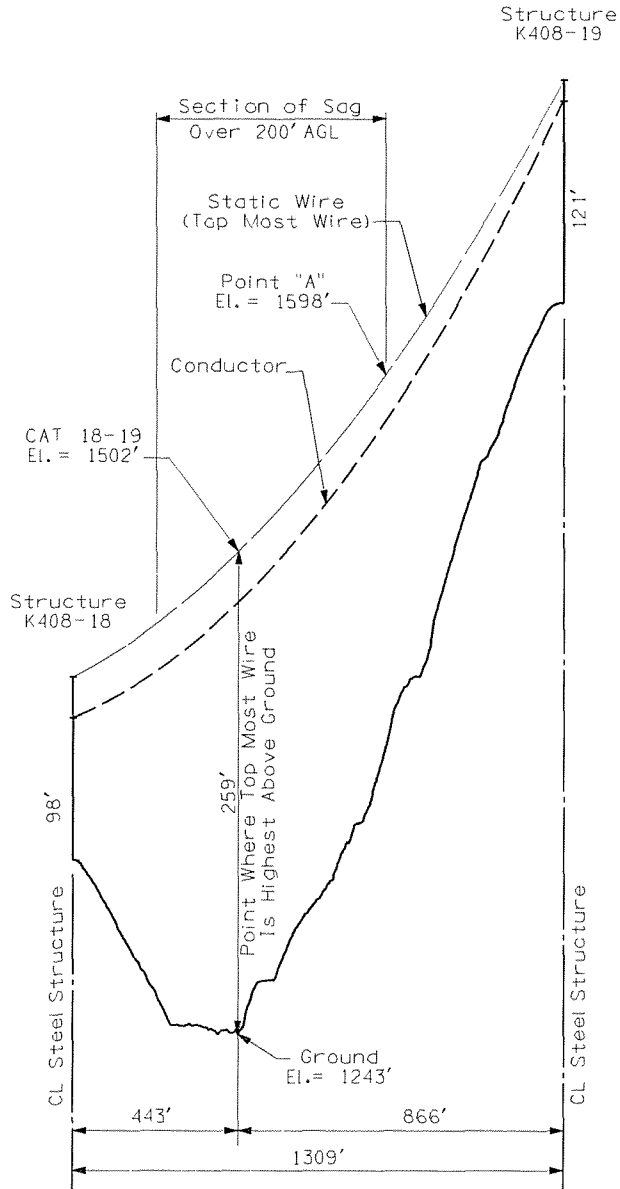


Exhibit 8

Scale:  
Horiz: 1" = 400'  
Vert: 1" = 80'



Mail Processing Center  
 Federal Aviation Administration  
 Southwest Regional Office  
 Obstruction Evaluation Group  
 2601 Meacham Boulevard  
 Fort Worth, TX 76137

Aeronautical Study No.  
 2012-ASO-10494-OE

Issued Date: 01/22/2013

Erica Cutler  
 Power Engineers for AEP  
 1041 521 Corporate Center Drive, Suite 105  
 Fort Mill, SC 29707

**\*\* DETERMINATION OF NO HAZARD TO AIR NAVIGATION \*\***

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure: Transmission Line Cat 18-19 (Point on Static Wire)  
 Location: Hazard, KY  
 Latitude: 37-18-20.86N NAD 83  
 Longitude: 83-11-13.90W  
 Heights: 1243 feet site elevation (SE)  
 259 feet above ground level (AGL)  
 1502 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

As a condition to this Determination, the structure is marked/lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, dual medium catenary - Chapters 4,10(Catenary),&12.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

**See attachment for additional condition(s) or information.**

Any height exceeding 259 feet above ground level (1502 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 07/22/2014 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.

- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

If we can be of further assistance, please contact our office at (847) 294-7458. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2012-ASO-10494-OE.

**Signature Control No: 176289963-181532383**

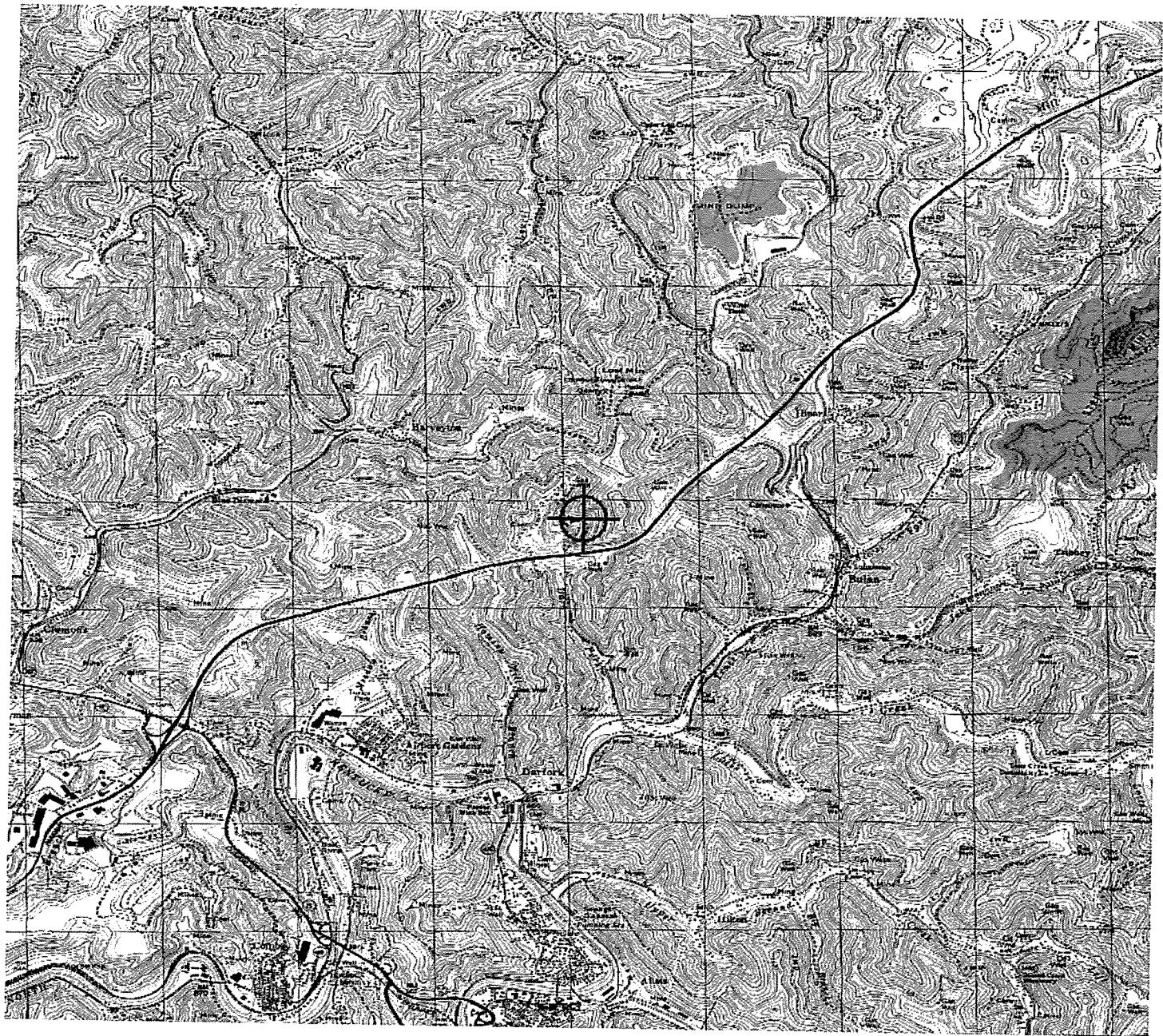
( DNE )

Fred Souchet  
Specialist

Attachment(s)  
Additional Information  
Map(s)

**Additional information for ASN 2012-ASO-10494-OE**

Based on this evaluation the request for Spherical Markers cannot be granted . Spherical Markers are required if the wire voltage is less than 69 KV. The wire voltage for the above transmission lines is 138kV. Therefore, IAW AC 70/7460-1 K Change 2 this structure is to be marked/lighted with dual medium catenary lighting - Chapters 4, 10 (Centenary) & 12.





### Notice of Proposed Construction or Alteration - Off Airport

Project Name: POWER-000221073-12

Sponsor: Power Engineers for AEP

#### Details for Case : Cat 20-21 (Point on Static Wire)

Show Project Summary

##### Case Status

ASN: 2012-ASO-10495-OE  
Status: Determined

Date Accepted: 11/02/2012

Date Determined: 01/22/2013

Letters: 01/22/2013 DNE

Documents: 11/01/2012 FAA\_20 to 21\_Exb ...

7460-2 (PART II) required within 5 days after the construction reaches its greatest height.

Add Supplemental Notice (7460-2)

Public Comments: None

Project Documents: None

##### Construction / Alteration Information

Notice Of: Construction  
Duration: Permanent  
**if Temporary :** Months: Days:  
Work Schedule - Start: 04/15/2013  
Work Schedule - End: 10/16/2014

##### Structure Summary

Structure Type: Transmission Line  
Structure Name: Cat 20-21 (Point on Static Wire)  
NOTAM Number:  
FCC Number:  
Prior ASN:

*\*For temporary cranes-Does the permanent structure require separate notice to the FAA? To find out, use the Notice Criteria Tool. If separate notice is required, please ensure it is filed. If it is not filed, please state the reason in the Description of Proposal.*

State Filing:

##### Structure Details

Latitude: 37° 18' 30.42" N  
Longitude: 83° 10' 58.31" W  
Horizontal Datum: NAD83  
Site Elevation (SE): 1406 (nearest foot)  
Structure Height (AGL): 236 (nearest foot)  
Current Height (AGL): (nearest foot)  
*\* For notice of alteration or existing provide the current AGL height of the existing structure. Include details in the Description of Proposal*

##### Common Frequency Bands

Low Freq High Freq Freq Unit ERP ERP Unit

##### Specific Frequencies

Nacelle Height (AGL): (nearest foot)  
*\* For Wind Turbines 500ft AGL or greater*

Requested Marking/Lighting: Spherical Markers

**Other :**

Recommended Marking/Lighting: Dual medium catenary

Current Marking/Lighting: N/A New Structure

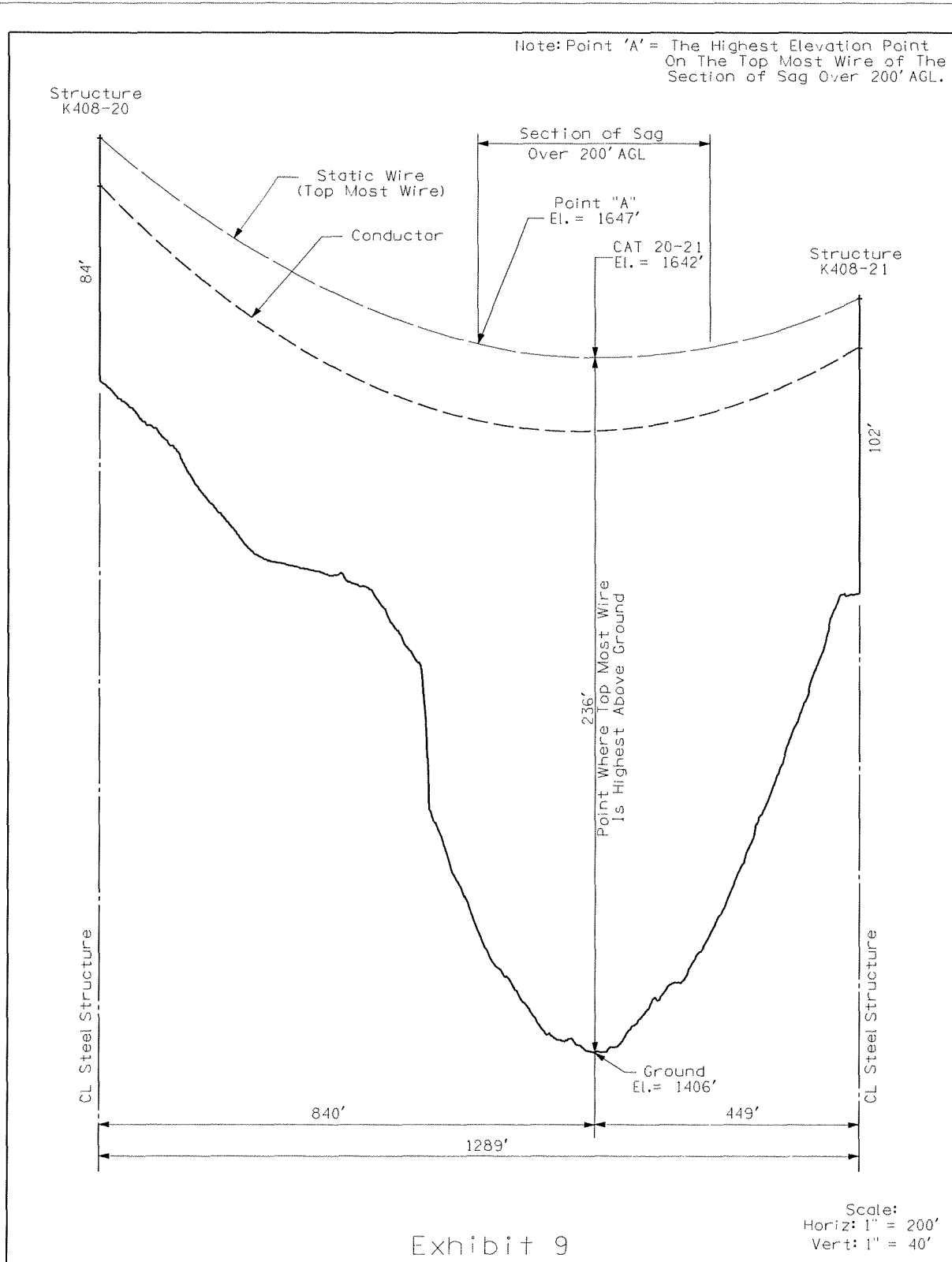
**Other :**

Nearest City: Hazard

Nearest State: Kentucky

Description of Location: Mountainous terrain in eastern Kentucky

Description of Proposal: This filing is not for a structure, but is a point on a static wire where it is the highest AGL. (See attached exhibit) Bonnyman to Soft Shell 138kV K408.







Mail Processing Center  
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 Southwest Regional Office  
 Obstruction Evaluation Group  
 2601 Meacham Boulevard  
 Fort Worth, TX 76137

Aeronautical Study No.  
 2012-ASO-10495-OE

Issued Date: 01/22/2013

Erica Cutler  
 Power Engineers for AEP  
 1041 521 Corporate Center Drive, Suite 105  
 Fort Mill, SC 29707

**\*\* DETERMINATION OF NO HAZARD TO AIR NAVIGATION \*\***

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure: Transmission Line Cat 20-21 (Point on Static Wire)  
 Location: Hazard, KY  
 Latitude: 37-18-30.42N NAD 83  
 Longitude: 83-10-58.31W  
 Heights: 1406 feet site elevation (SE)  
 236 feet above ground level (AGL)  
 1642 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

As a condition to this Determination, the structure is marked/lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, dual medium catenary - Chapters 4,10(Catenary),&12.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

**See attachment for additional condition(s) or information.**

Any height exceeding 236 feet above ground level (1642 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 07/22/2014 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.

- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

If we can be of further assistance, please contact our office at (847) 294-7458. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2012-ASO-10495-OE.

**Signature Control No: 176289964-181532392**

( DNE )

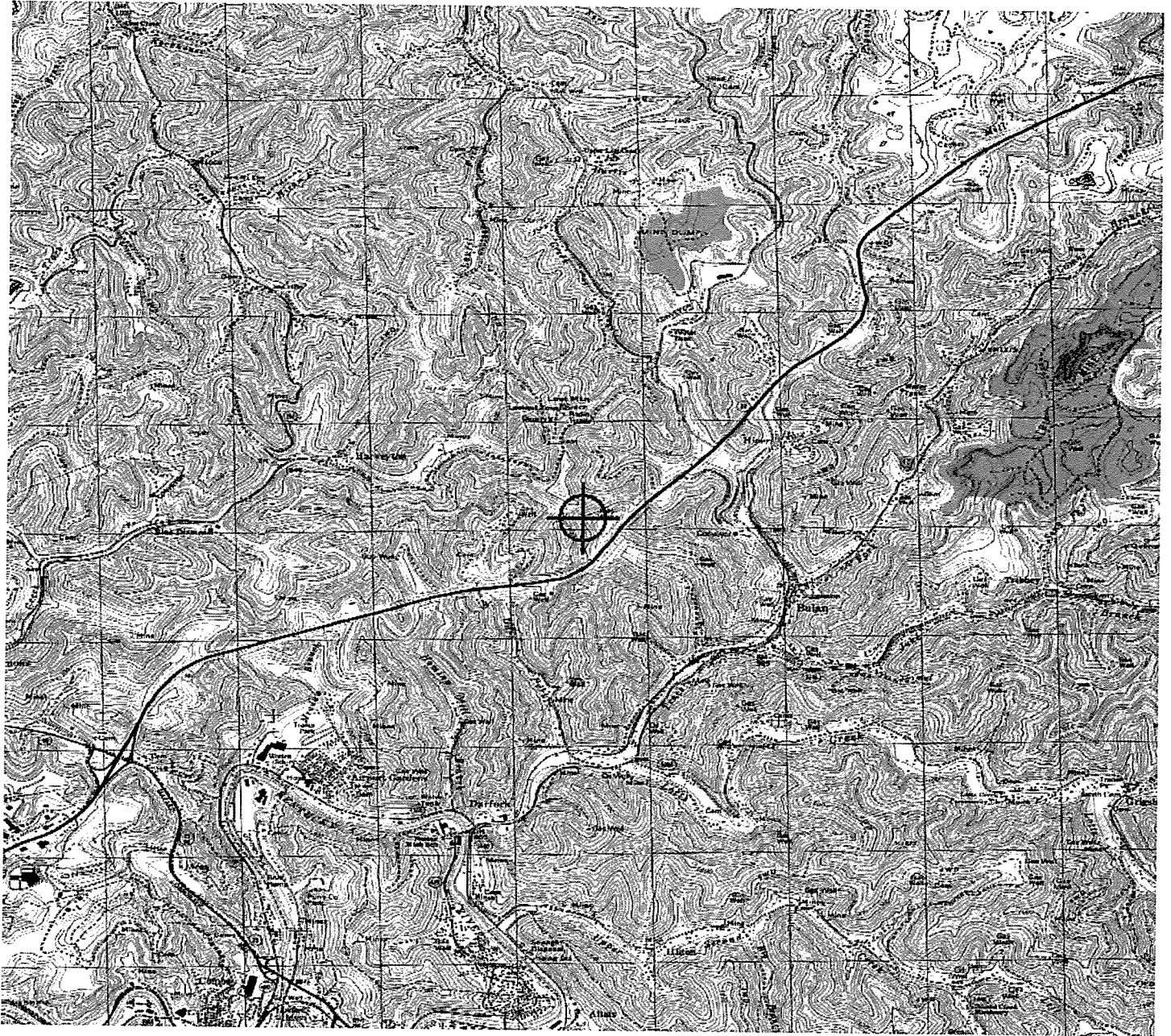
Fred Souchet  
Specialist

Attachment(s)  
Additional Information  
Map(s)

## **Additional information for ASN 2012-ASO-10495-OE**

Based on this evaluation the request for Spherical Markers cannot be granted . Spherical Markers are required if the wire voltage is less than 69 KV. The wire voltage for the above transmission lines is 138kV. Therefore, IAW AC 70/7460-1 K Change 2 this structure is to be marked/lighted with dual medium catenary lighting - Chapters 4, 10 (Centenary) & 12.

TOPO Map for ASN 2012-ASO-10495-OE





### Notice of Proposed Construction or Alteration - Off Airport

Project Name: POWER-000221073-12

Sponsor: Power Engineers for AEP

#### Details for Case : Cat 23-24 (Point on Static Wire)

Show Project Summary

##### Case Status

ASN: 2012-ASO-10496-OE  
Status: Determined

Date Accepted: 11/02/2012

Date Determined: 01/22/2013

Letters: 01/22/2013 DNE

Documents: 11/01/2012 FAA\_23 to 24\_Exb ...

7460-2 (PART II) required within 5 days after the construction reaches its greatest height.

Add Supplemental Notice (7460-2)

Public Comments: None

Project Documents: None

##### Construction / Alteration Information

Notice Of: Construction  
Duration: Permanent  
**if Temporary :** Months: Days:  
Work Schedule - Start: 04/15/2013  
Work Schedule - End: 10/16/2014

##### Structure Summary

Structure Type: Transmission Line  
Structure Name: Cat 23-24 (Point on Static Wire)  
NOTAM Number:  
FCC Number:  
Prior ASN:

*\*For temporary cranes-Does the permanent structure require separate notice to the FAA? To find out, use the Notice Criteria Tool. If separate notice is required, please ensure it is filed. If it is not filed, please state the reason in the Description of Proposal.*

State Filing:

##### Structure Details

Latitude: 37° 18' 48.21" N  
Longitude: 83° 10' 35.88" W  
Horizontal Datum: NAD83  
Site Elevation (SE): 1107 (nearest foot)  
Structure Height (AGL): 269 (nearest foot)  
Current Height (AGL): (nearest foot)  
*\* For notice of alteration or existing provide the current AGL height of the existing structure. Include details in the Description of Proposal*

##### Common Frequency Bands

Low Freq	High Freq	Freq Unit	ERP	ERP Unit
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##### Specific Frequencies

Nacelle Height (AGL): (nearest foot)  
*\* For Wind Turbines 500ft AGL or greater*

Requested Marking/Lighting: Spherical Markers

**Other :**

Recommended Marking/Lighting: Dual medium catenary

Current Marking/Lighting: N/A New Structure

**Other :**

Nearest City: Hazard

Nearest State: Kentucky

Description of Location: Mountainous terrain in eastern Kentucky  
*On the Project Summary page upload any certified survey.*

Description of Proposal: This filing is not for a structure, but is a point on a static wire where it is the highest AGL. (See attached exhibit) Bonnyman to Soft Shell 138kV K408.

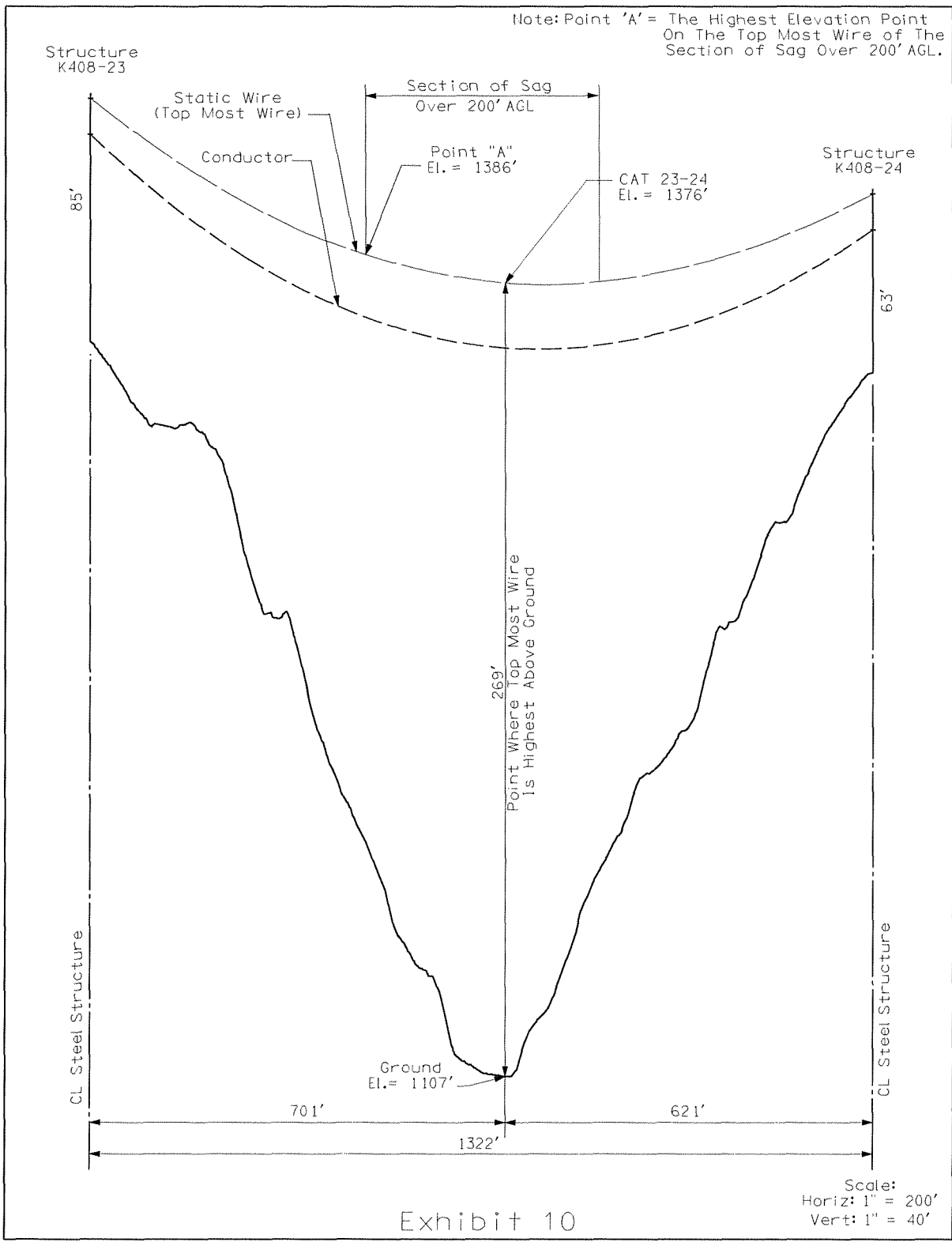


Exhibit 10



Mail Processing Center  
 Federal Aviation Administration  
 Southwest Regional Office  
 Obstruction Evaluation Group  
 2601 Meacham Boulevard  
 Fort Worth, TX 76137

Aeronautical Study No.  
 2012-ASO-10496-OE

Issued Date: 01/22/2013

Erica Cutler  
 Power Engineers for AEP  
 1041 521 Corporate Center Drive, Suite 105  
 Fort Mill, SC 29707

**\*\* DETERMINATION OF NO HAZARD TO AIR NAVIGATION \*\***

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Transmission Line Cat 23-24 (Point on Static Wire)
Location:	Hazard, KY
Latitude:	37-18-48.21N NAD 83
Longitude:	83-10-35.88W
Heights:	1107 feet site elevation (SE)
	269 feet above ground level (AGL)
	1376 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

As a condition to this Determination, the structure is marked/lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, dual medium catenary - Chapters 4,10(Catenary),&12.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

**See attachment for additional condition(s) or information.**

Any height exceeding 269 feet above ground level (1376 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 07/22/2014 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.

- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

If we can be of further assistance, please contact our office at (847) 294-7458. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2012-ASO-10496-OE.

**Signature Control No: 176289966-181532385**  
Fred Souchet  
Specialist

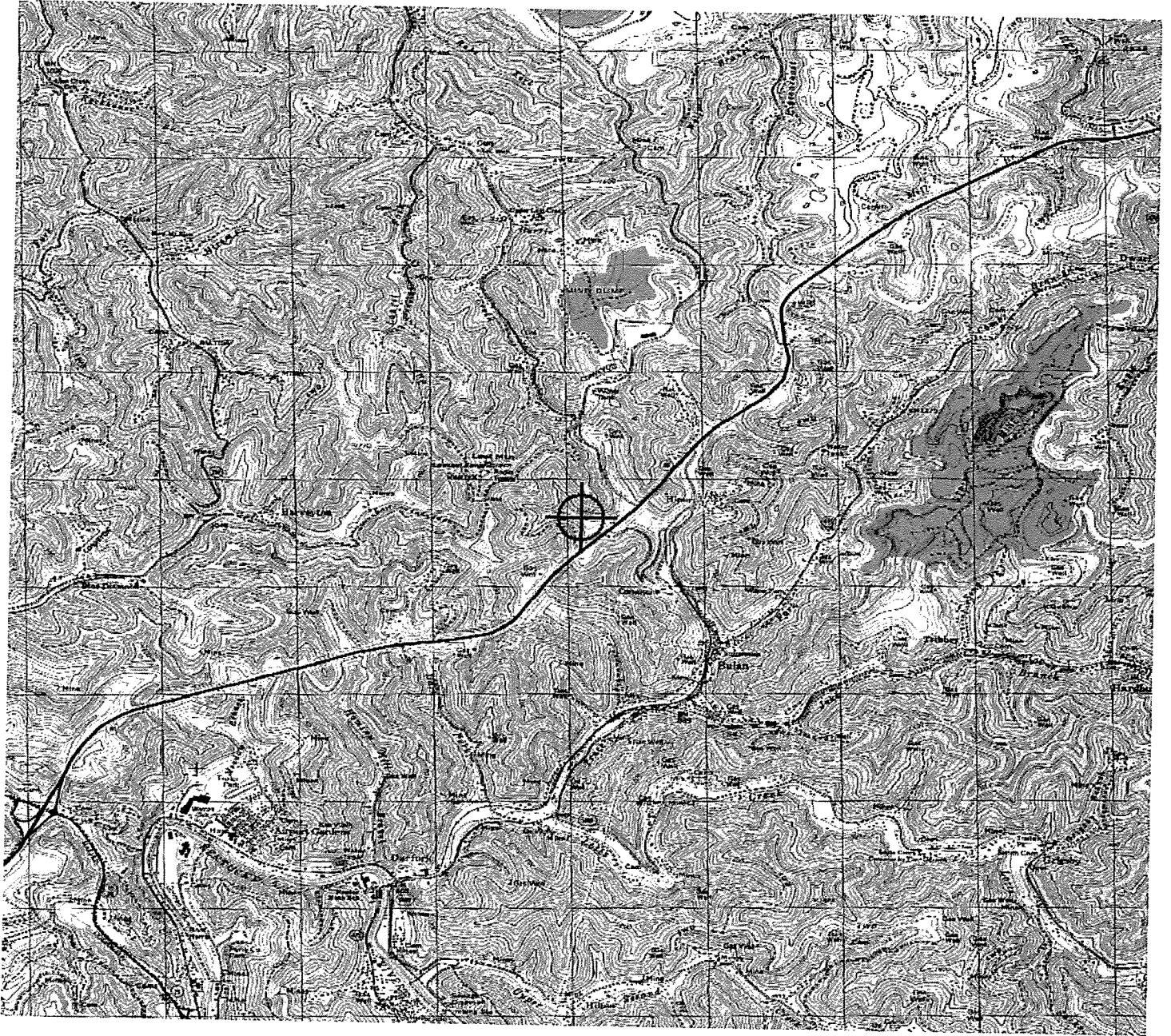
( DNE )

Attachment(s)  
Additional Information  
Map(s)



**Additional information for ASN 2012-ASO-10496-OE**

Based on this evaluation the request for Spherical Markers cannot be granted . Spherical Markers are required if the wire voltage is less than 69 KV. The wire voltage for the above transmission lines is 138kV. Therefore, IAW AC 70/7460-1 K Change 2 this structure is to be marked/lighted with dual medium catenary lighting - Chapters 4, 10 (Centenary) & 12.





### Notice of Proposed Construction or Alteration - Off Airport

Project Name: POWER-000221073-12

Sponsor: Power Engineers for AEP

#### Details for Case : Cat 24-25 (Point on Static Wire)

Show Project Summary

##### Case Status

ASN: 2012-ASO-10497-OE

Status: Determined

7460-2 (PART II) required within 5 days after the construction reaches its greatest height.

Add Supplemental Notice (7460-2)

Public Comments: None

Date Accepted: 11/02/2012

Date Determined: 01/22/2013

Letters: 01/22/2013 DNE

Documents: 11/01/2012 FAA\_24 to 25\_Exb ...

Project Documents: None

##### Construction / Alteration Information

Notice Of: Construction

Duration: Permanent

*if Temporary :* Months: Days:

Work Schedule - Start: 04/15/2013

Work Schedule - End: 10/16/2014

*\*For temporary cranes-Does the permanent structure require separate notice to the FAA? To find out, use the Notice Criteria Tool. If separate notice is required, please ensure it is filed. If it is not filed, please state the reason in the Description of Proposal.*

State Filing:

##### Structure Summary

Structure Type: Transmission Line

Structure Name: Cat 24-25 (Point on Static Wire)

NOTAM Number:

FCC Number:

Prior ASN:

##### Structure Details

Latitude: 37° 18' 56.37" N

Longitude: 83° 10' 23.83" W

Horizontal Datum: NAD83

Site Elevation (SE): 1124 (nearest foot)

Structure Height (AGL): 286 (nearest foot)

Current Height (AGL): (nearest foot)

*\* For notice of alteration or existing provide the current AGL height of the existing structure. Include details in the Description of Proposal*

Nacelle Height (AGL): (nearest foot)

*\* For Wind Turbines 500ft AGL or greater*

Requested Marking/Lighting: Spherical Markers

**Other :**

Recommended Marking/Lighting: Dual medium catenary

Current Marking/Lighting: N/A New Structure

**Other :**

Nearest City: Hazard

Nearest State: Kentucky

Description of Location: Mountainous terrain in eastern Kentucky

Description of Proposal: This filing is not for a structure, but is a point on a static wire where it is the highest AGL. (See attached exhibit) Bonnyman to Soft Shell 138kV K408.

##### Common Frequency Bands

Low Freq High Freq Freq Unit ERP ERP Unit

##### Specific Frequencies

Note: Point 'A' = The Highest Elevation Point  
On The Top Most Wire of The  
Section of Sag Over 200' AGL.

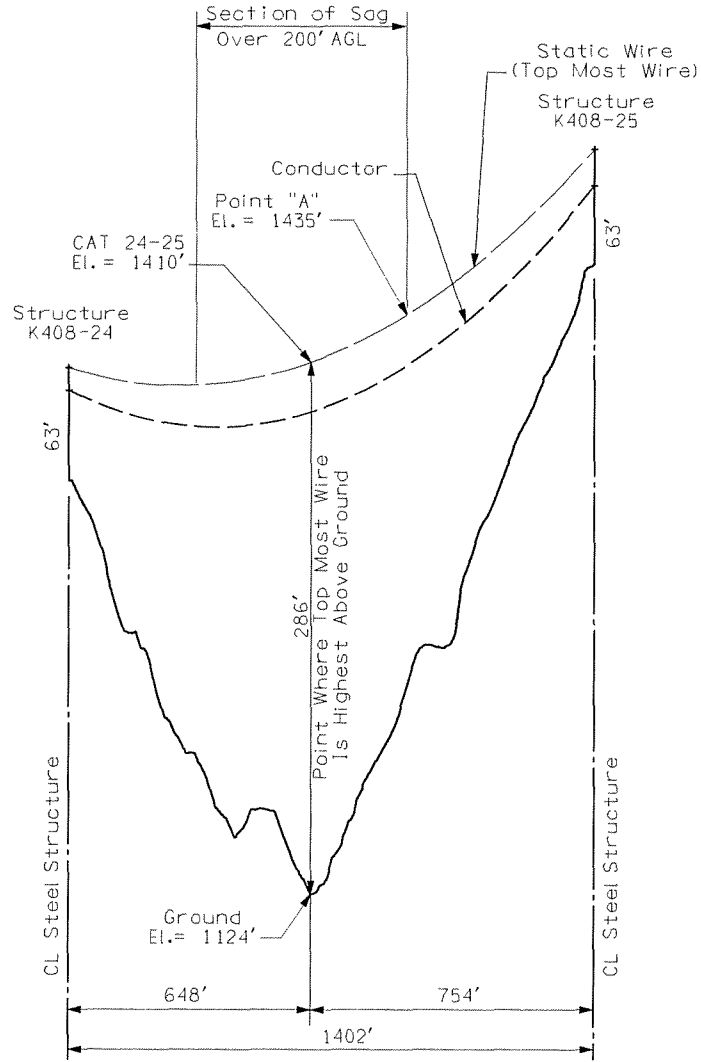


Exhibit 11

Scale:  
Horiz: 1" = 400'  
Vert: 1" = 80'



Mail Processing Center  
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 Southwest Regional Office  
 Obstruction Evaluation Group  
 2601 Meacham Boulevard  
 Fort Worth, TX 76137

Aeronautical Study No.  
 2012-ASO-10497-OE

Issued Date: 01/22/2013

Erica Cutler  
 Power Engineers for AEP  
 1041 521 Corporate Center Drive, Suite 105  
 Fort Mill, SC 29707

**\*\* DETERMINATION OF NO HAZARD TO AIR NAVIGATION \*\***

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure: Transmission Line Cat 24-25 (Point on Static Wire)  
 Location: Hazard, KY  
 Latitude: 37-18-56.37N NAD 83  
 Longitude: 83-10-23.83W  
 Heights: 1124 feet site elevation (SE)  
 286 feet above ground level (AGL)  
 1410 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

As a condition to this Determination, the structure is marked/lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, dual medium catenary - Chapters 4,10(Catenary),&12.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

**See attachment for additional condition(s) or information.**

Any height exceeding 286 feet above ground level (1410 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 07/22/2014 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.

- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

If we can be of further assistance, please contact our office at (847) 294-7458. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2012-ASO-10497-OE.

**Signature Control No: 176289967-181532388**

Fred Souchet  
Specialist

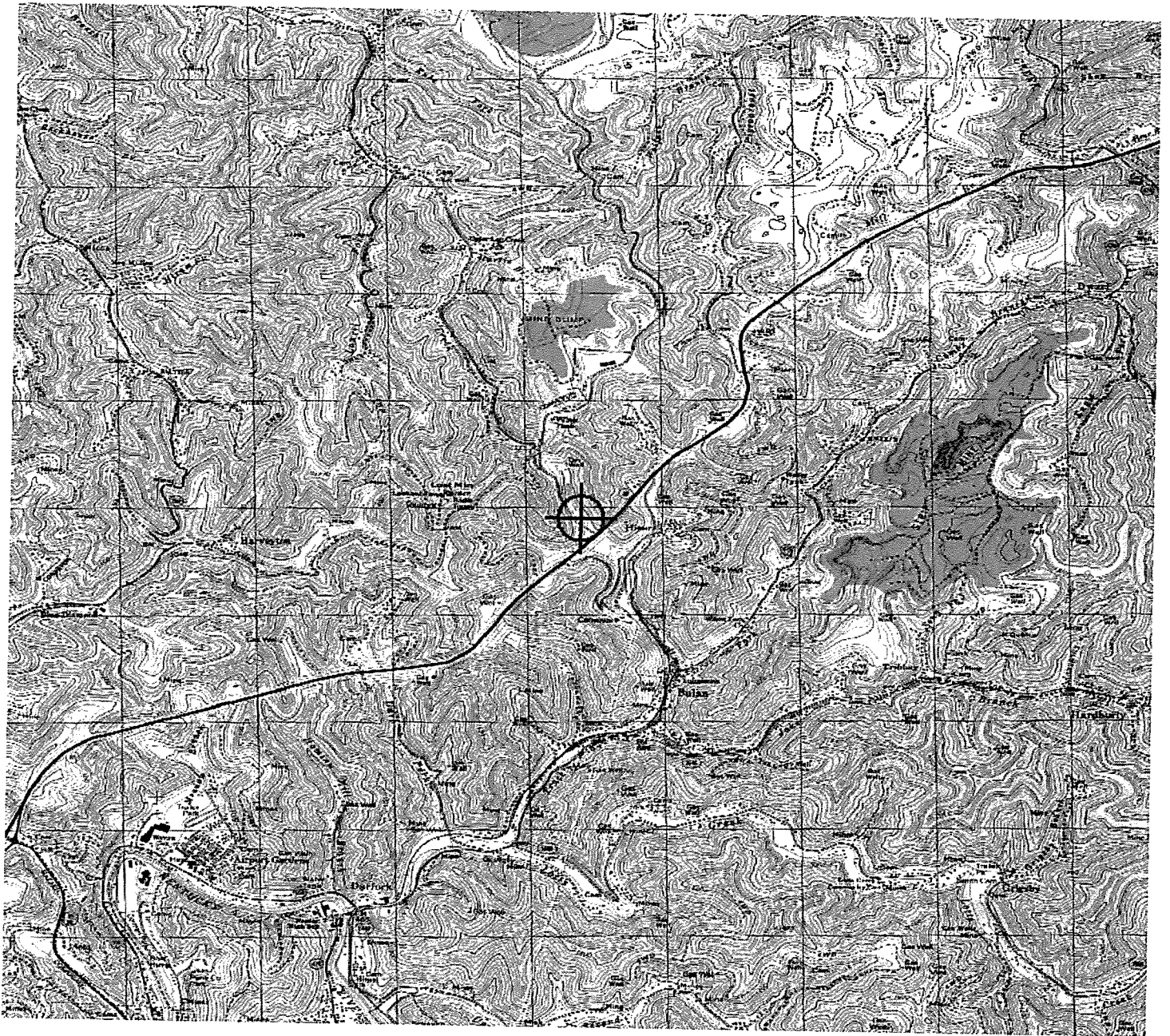
( DNE )

Attachment(s)  
Additional Information  
Map(s)

**Additional information for ASN 2012-ASO-10497-OE**

Based on this evaluation the request for Spherical Markers cannot be granted . Spherical Markers are required if the wire voltage is less than 69 KV. The wire voltage for the above transmission lines is 138kV. Therefore, IAW AC 70/7460-1 K Change 2 this structure is to be marked/lighted with dual medium catenary lighting - Chapters 4, 10 (Centenary) & 12.









Notice of Proposed Construction or Alteration - Off Airport

Project Name: POWER-000221073-12

Sponsor: Power Engineers for AEP

Details for Case : Cat 26-27 (Point on Static Wire)

Show Project Summary

Case Status

ASN: 2012-ASO-10498-OE
Status: Determined

7460-2 (PART II) required within 5 days after the construction reaches its greatest height.

Add Supplemental Notice (7460-2)

Public Comments: None

Date Accepted: 11/02/2012

Date Determined: 01/22/2013

Letters: 01/22/2013 DNE

Documents: 11/02/2012 FAA\_26 to 27\_Exp ...

Project Documents: None

Construction / Alteration Information

Notice Of: Construction
Duration: Permanent
if Temporary : Months: Days:
Work Schedule - Start: 04/15/2013
Work Schedule - End: 10/16/2014

\*For temporary cranes-Does the permanent structure require separate notice to the FAA? To find out, use the Notice Criteria Tool. If separate notice is required, please ensure it is filed. If it is not filed, please state the reason in the Description of Proposal.

State Filing:

Structure Summary

Structure Type: Transmission Line
Structure Name: Cat 26-27 (Point on Static Wire)
NOTAM Number:
FCC Number:
Prior ASN:

Structure Details

Latitude: 37° 19' 6.44" N
Longitude: 83° 10' 1.74" W
Horizontal Datum: NAD83
Site Elevation (SE): 1076 (nearest foot)
Structure Height (AGL): 312 (nearest foot)
Current Height (AGL): (nearest foot)
\* For notice of alteration or existing provide the current AGL height of the existing structure. Include details in the Description of Proposal
Nacelle Height (AGL): (nearest foot)
\* For Wind Turbines 500ft AGL or greater

Common Frequency Bands

Low Freq High Freq Freq Unit ERP ERP Unit

Specific Frequencies

Requested Marking/Lighting: Spherical Markers

Other :

Recommended Marking/Lighting: Dual medium catenary

Current Marking/Lighting: N/A New Structure

Other :

Nearest City: Hazard

Nearest State: Kentucky

Description of Location: Mountainous terrain in eastern Kentucky

Description of Proposal: This filing is not for a structure, but is a point on a static wire where it is the highest AGL. (See attached exhibit) Bonnyman to Soft Shell 138kV K408.

Note: Point 'A' = The Highest Elevation Point  
On The Top Most Wire of The  
Section of Sag Over 200' AGL.

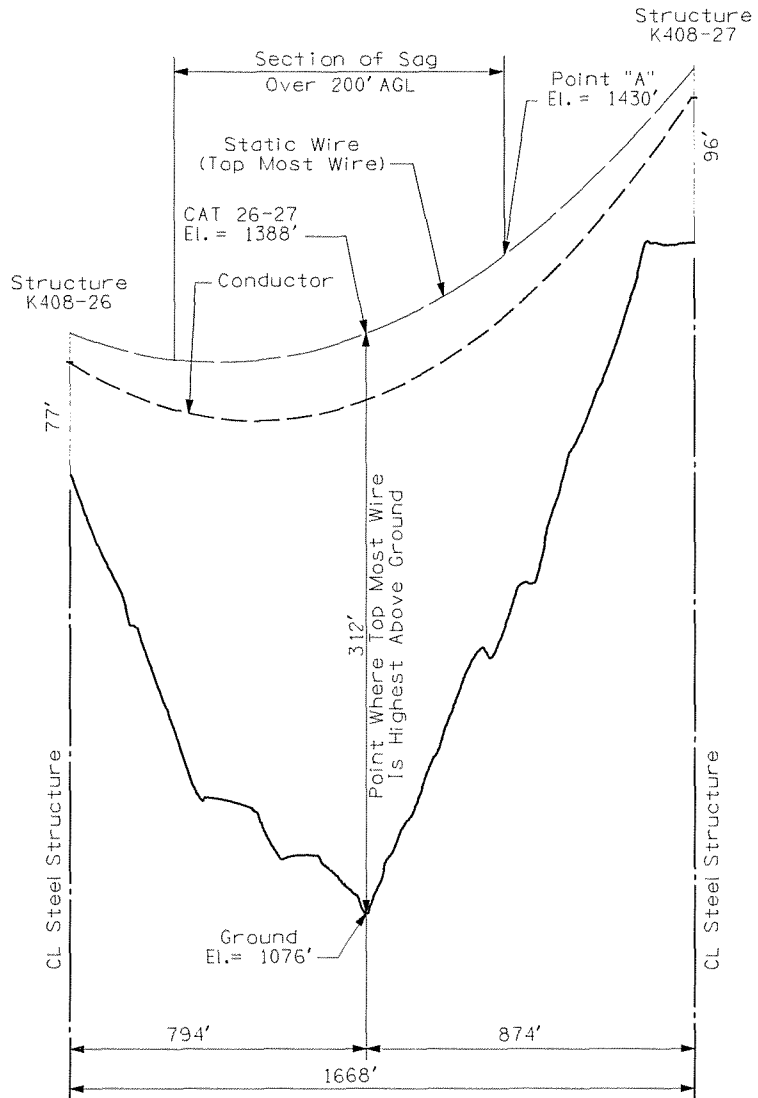


Exhibit 12

Scale:  
Horiz: 1" = 400'  
Vert: 1" = 80'



Mail Processing Center  
 Federal Aviation Administration  
 Southwest Regional Office  
 Obstruction Evaluation Group  
 2601 Meacham Boulevard  
 Fort Worth, TX 76137

Aeronautical Study No.  
 2012-ASO-10498-OE

Issued Date: 01/22/2013

Erica Cutler  
 Power Engineers for AEP  
 1041 521 Corporate Center Drive, Suite 105  
 Fort Mill, SC 29707

**\*\* DETERMINATION OF NO HAZARD TO AIR NAVIGATION \*\***

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Transmission Line Cat 26-27 (Point on Static Wire)
Location:	Hazard, KY
Latitude:	37-19-06.44N NAD 83
Longitude:	83-10-01.74W
Heights:	1076 feet site elevation (SE)
	312 feet above ground level (AGL)
	1388 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

As a condition to this Determination, the structure is marked/lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, dual medium catenary - Chapters 4,10(Catenary),&12.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

**See attachment for additional condition(s) or information.**

Any height exceeding 312 feet above ground level (1388 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 07/22/2014 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.

- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

If we can be of further assistance, please contact our office at (847) 294-7458. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2012-ASO-10498-OE.

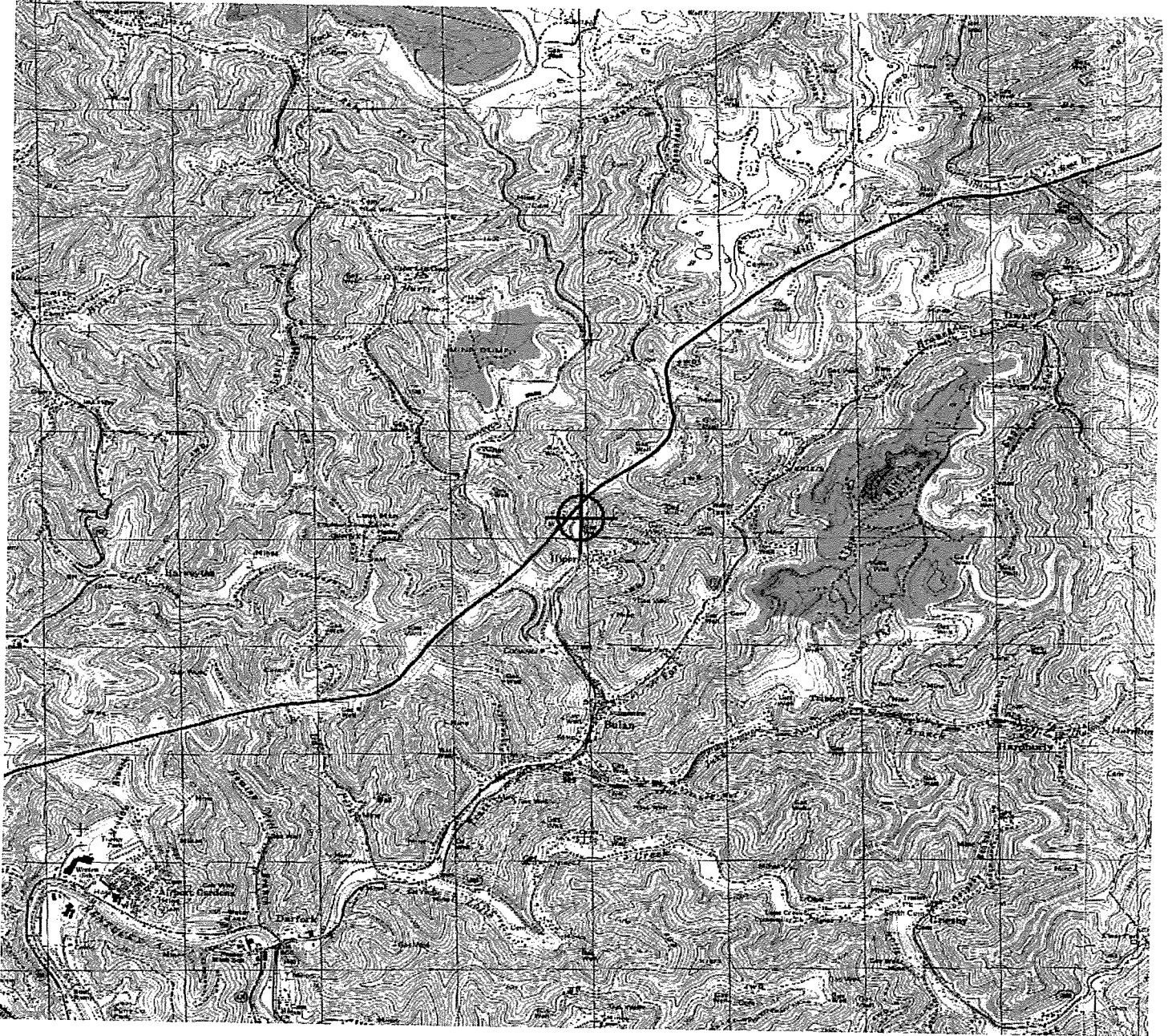
**Signature Control No: 176289968-181532382**  
Fred Souchet  
Specialist

( DNE )

Attachment(s)  
Additional Information  
Map(s)

## **Additional information for ASN 2012-ASO-10498-OE**

Based on this evaluation the request for Spherical Markers cannot be granted . Spherical Markers are required if the wire voltage is less than 69 KV. The wire voltage for the above transmission lines is 138kV. Therefore, IAW AC 70/7460-1 K Change 2 this structure is to be marked/lighted with dual medium catenary lighting - Chapters 4, 10 (Centenary) & 12.





### Notice of Proposed Construction or Alteration - Off Airport

Project Name: POWER-000221073-12

Sponsor: Power Engineers for AEP

#### Details for Case : Cat 27-28 (Point on Static Wire)

Show Project Summary

##### Case Status

ASN: 2012-ASO-10499-OE

Date Accepted: 11/02/2012

Status: Determined

Date Determined: 01/22/2013

7460-2 (PART II) required within 5 days after the construction reaches its greatest height.

Letters: 01/22/2013 DNE

Add Supplemental Notice (7460-2)

Documents: 11/01/2012 FAA\_27 to 28\_Exp ...

Public Comments: None

Project Documents: None

##### Construction / Alteration Information

Notice Of: Construction

##### Structure Summary

Duration: Permanent

Structure Type: Transmission Line

*if Temporary :* Months: Days:

Structure Name: Cat 27-28 (Point on Static Wire)

Work Schedule - Start: 04/15/2013

NOTAM Number:

Work Schedule - End: 10/16/2014

FCC Number:

*\*For temporary cranes-Does the permanent structure require separate notice to the FAA? To find out, use the Notice Criteria Tool. If separate notice is required, please ensure it is filed. If it is not filed, please state the reason in the Description of Proposal.*

Prior ASN:

State Filing:

##### Structure Details

Latitude: 37° 19' 13.08" N

##### Common Frequency Bands

Low Freq High Freq Freq Unit ERP ERP Unit

Longitude: 83° 9' 45.79" W

##### Specific Frequencies

Horizontal Datum: NAD83

Site Elevation (SE): 1139 (nearest foot)

Structure Height (AGL): 327 (nearest foot)

Current Height (AGL): (nearest foot)

*\* For notice of alteration or existing provide the current AGL height of the existing structure. Include details in the Description of Proposal*

Nacelle Height (AGL): (nearest foot)

*\* For Wind Turbines 500ft AGL or greater*

Requested Marking/Lighting: Spherical Markers

**Other :**

Recommended Marking/Lighting: Dual medium catenary

Current Marking/Lighting: N/A New Structure

**Other :**

Nearest City: Hazard

Nearest State: Kentucky

Description of Location: Mountainous terrain in eastern Kentucky

Description of Proposal: This filing is not for a structure, but is a point on a static wire where it is the highest AGL. (See attached exhibit) Bonnyman to Soft Shell 138kV K408.

Note: Point 'A' = The Highest Elevation Point  
On The Top Most Wire of The  
Section of Sag Over 200' AGL.

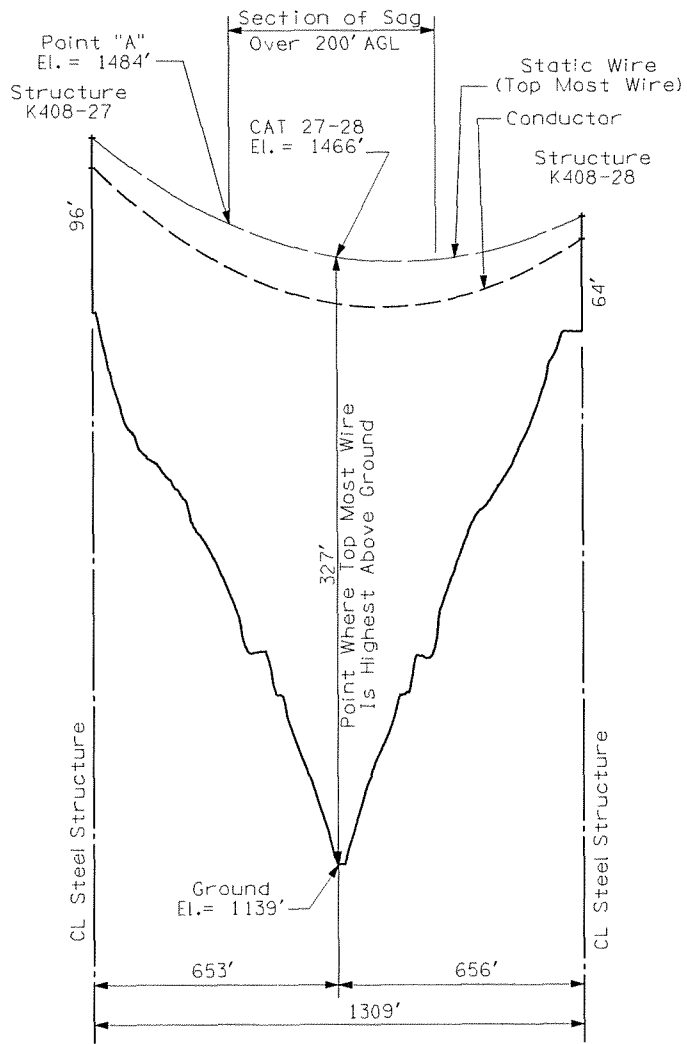


Exhibit 13

Scale:  
Horiz: 1" = 400'  
Vert: 1" = 80'





Mail Processing Center  
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 Southwest Regional Office  
 Obstruction Evaluation Group  
 2601 Meacham Boulevard  
 Fort Worth, TX 76137

Aeronautical Study No.  
 2012-ASO-10499-OE

Issued Date: 01/22/2013

Erica Cutler  
 Power Engineers for AEP  
 1041 521 Corporate Center Drive, Suite 105  
 Fort Mill, SC 29707

**\*\* DETERMINATION OF NO HAZARD TO AIR NAVIGATION \*\***

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Transmission Line Cat 27-28 (Point on Static Wire)
Location:	Hazard, KY
Latitude:	37-19-13.08N NAD 83
Longitude:	83-09-45.79W
Heights:	1139 feet site elevation (SE) 327 feet above ground level (AGL) 1466 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

As a condition to this Determination, the structure is marked/lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, dual medium catenary - Chapters 4,10(Catenary),&12.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

**See attachment for additional condition(s) or information.**

Any height exceeding 327 feet above ground level (1466 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 07/22/2014 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.

- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

If we can be of further assistance, please contact our office at (847) 294-7458. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2012-ASO-10499-OE.

**Signature Control No: 176289969-181532381**

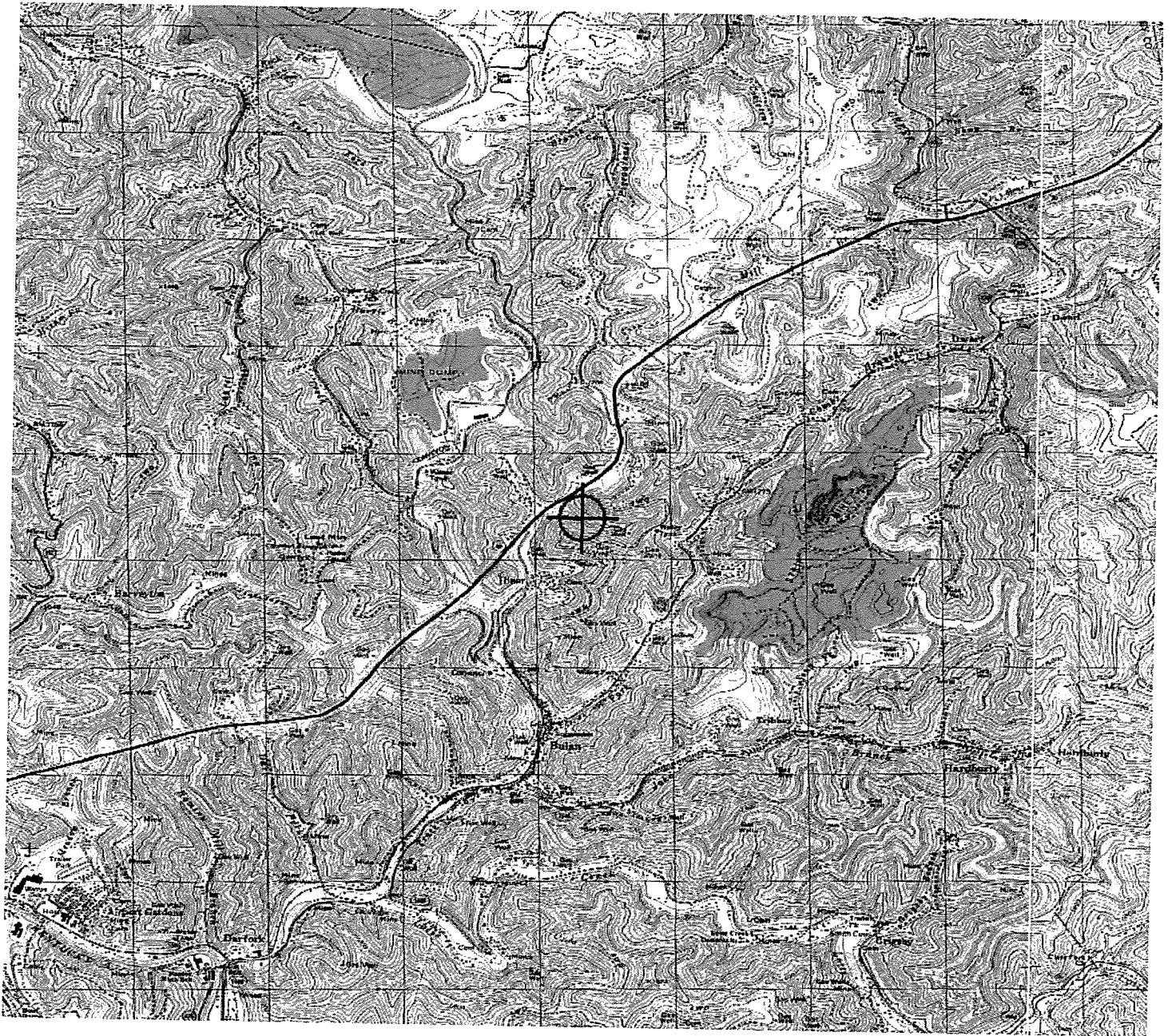
( DNE )

Fred Souchet  
Specialist

Attachment(s)  
Additional Information  
Map(s)

**Additional information for ASN 2012-ASO-10499-OE**

Based on this evaluation the request for Spherical Markers cannot be granted . Spherical Markers are required if the wire voltage is less than 69 KV. The wire voltage for the above transmission lines is 138kV. Therefore, IAW AC 70/7460-1 K Change 2 this structure is to be marked/lighted with dual medium catenary lighting - Chapters 4, 10 (Centenary) & 12.





## Notice of Proposed Construction or Alteration - Off Airport

Project Name: POWER-000221073-12

Sponsor: Power Engineers for AEP

### Details for Case : Cat 30-31 (Point on Static Wire)

Show Project Summary

#### Case Status

ASN: 2012-ASO-10500-OE

Status: Determined

7460-2 (PART II) required within 5 days after the construction reaches its greatest height.

Add Supplemental Notice (7460-2)

Public Comments: None

Date Accepted: 11/02/2012

Date Determined: 01/22/2013

Letters: 01/22/2013 DNE

Documents: 11/01/2012 FAA\_30 to 31\_Exb ...

Project Documents:  
None

#### Construction / Alteration Information

Notice Of: Construction

Duration: Permanent

*if Temporary :* Months: Days:

Work Schedule - Start: 04/15/2013

Work Schedule - End: 10/16/2014

*\*For temporary cranes-Does the permanent structure require separate notice to the FAA? To find out, use the Notice Criteria Tool. If separate notice is required, please ensure it is filed. If it is not filed, please state the reason in the Description of Proposal.*

State Filing:

#### Structure Details

Latitude: 37° 19' 35.20" N

Longitude: 83° 9' 19.04" W

Horizontal Datum: NAD83

Site Elevation (SE): 1377 (nearest foot)

Structure Height (AGL): 240 (nearest foot)

Current Height (AGL): (nearest foot)

*\* For notice of alteration or existing provide the current AGL height of the existing structure.*

*Include details in the Description of Proposal*

Nacelle Height (AGL): (nearest foot)

*\* For Wind Turbines 500ft AGL or greater*

Requested Marking/Lighting: Spherical Markers

**Other :**

Recommended Marking/Lighting: Dual medium catenary

Current Marking/Lighting: N/A New Structure

**Other :**

Nearest City: Hazard

Nearest State: Kentucky

Description of Location: Mountainous terrain in eastern Kentucky

Description of Proposal: This filing is not for a structure, but is a point on a static wire where it is the highest AGL. (See attached exhibit) Bonnyman to Soft Shell 138kV K408.

#### Structure Summary

Structure Type: Transmission Line

Structure Name: Cat 30-31 (Point on Static Wire)

NOTAM Number:

FCC Number:

Prior ASN:

#### Common Frequency Bands

Low Freq High Freq Freq Unit ERP ERP Unit

#### Specific Frequencies

Note: Point 'A' = The Highest Elevation Point  
On The Top Most Wire of The  
Section of Sag Over 200' AGL.

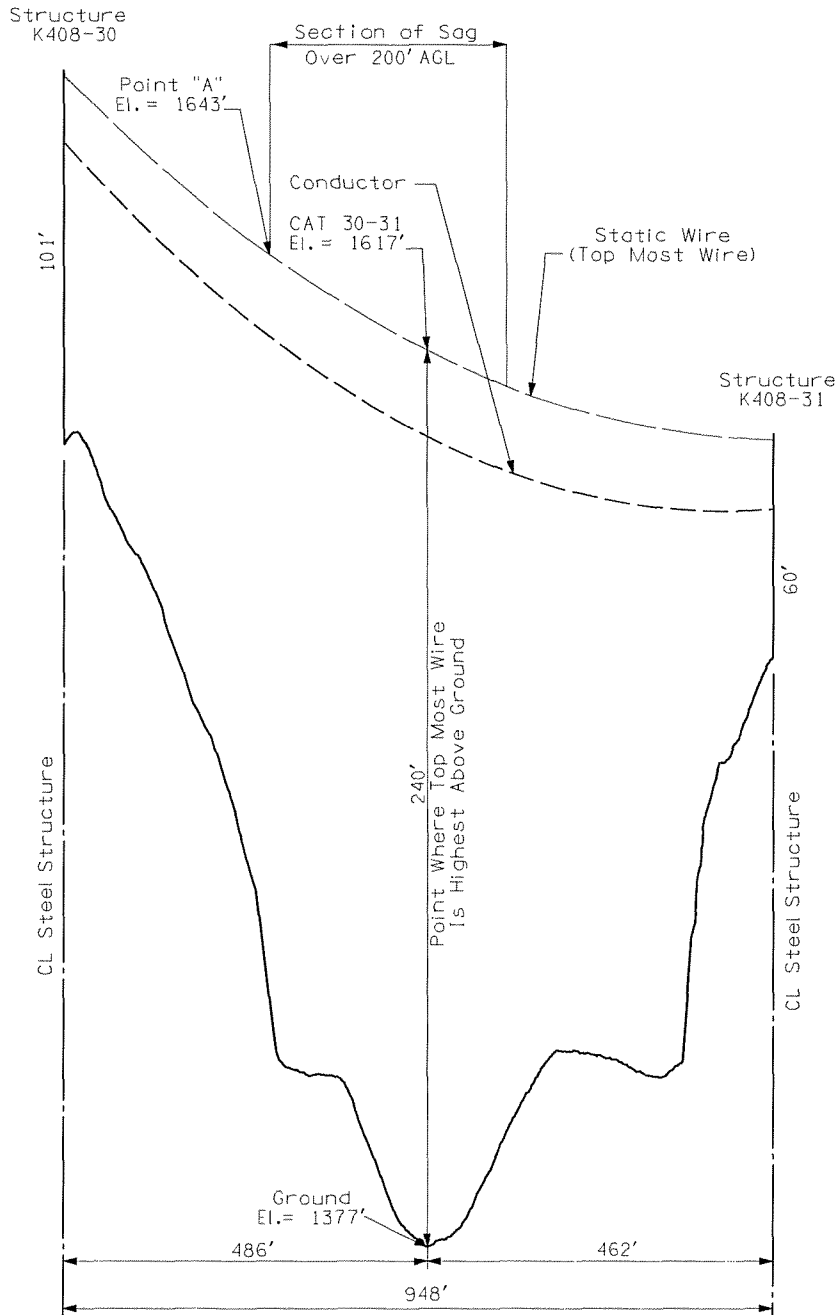


Exhibit 14

Scale:  
Horiz: 1" = 200'  
Vert: 1" = 40'



Mail Processing Center  
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 Obstruction Evaluation Group  
 2601 Meacham Boulevard  
 Fort Worth, TX 76137

Aeronautical Study No.  
 2012-ASO-10500-OE

Issued Date: 01/22/2013

Erica Cutler  
 Power Engineers for AEP  
 1041 521 Corporate Center Drive, Suite 105  
 Fort Mill, SC 29707

**\*\* DETERMINATION OF NO HAZARD TO AIR NAVIGATION \*\***

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Transmission Line Cat 30-31 (Point on Static Wire)
Location:	Hazard, KY
Latitude:	37-19-35.20N NAD 83
Longitude:	83-09-19.04W
Heights:	1377 feet site elevation (SE) 240 feet above ground level (AGL) 1617 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

As a condition to this Determination, the structure is marked/lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, dual medium catenary - Chapters 4,10(Catenary),&12.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

**See attachment for additional condition(s) or information.**

Any height exceeding 240 feet above ground level (1617 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 07/22/2014 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.

- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

If we can be of further assistance, please contact our office at (847) 294-7458. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2012-ASO-10500-OE.

**Signature Control No: 176289970-181532384**  
Fred Souchet  
Specialist

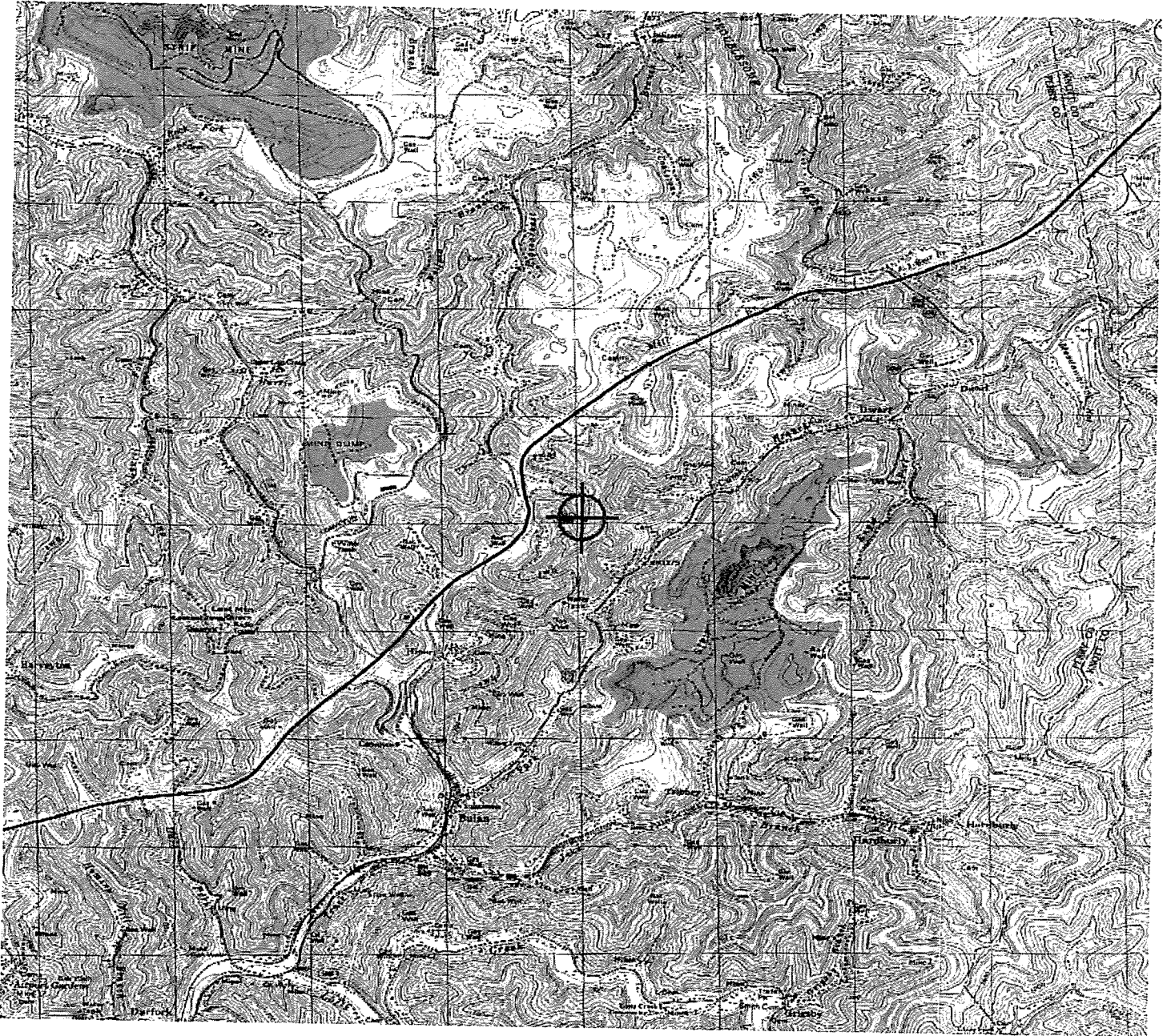
( DNE )

Attachment(s)  
Additional Information  
Map(s)



**Additional information for ASN 2012-ASO-10500-OE**

Based on this evaluation the request for Spherical Markers cannot be granted . Spherical Markers are required if the wire voltage is less than 69 KV. The wire voltage for the above transmission lines is 138kV. Therefore, IAW AC 70/7460-1 K Change 2 this structure is to be marked/lighted with dual medium catenary lighting - Chapters 4, 10 (Centenary) & 12.





Notice of Proposed Construction or Alteration - Off Airport

Project Name: POWER-000221073-12

Sponsor: Power Engineers for AEP

Details for Case : Cat 31-32 (Point on Static Wire)

Show Project Summary

Case Status

ASN: 2012-ASO-10501-OE  
Status: Determined

7460-2 (PART II) required within 5 days after the construction reaches its greatest height.

Add Supplemental Notice (7460-2)

Public Comments: None

Date Accepted: 11/02/2012

Date Determined: 01/22/2013

Letters: 01/22/2013 DNE

Documents: 11/01/2012 FAA\_31 to 32\_Exb ...

Project Documents:  
None

Construction / Alteration Information

Notice Of: Construction  
Duration: Permanent  
**if Temporary :** Months: Days:

Work Schedule - Start: 04/15/2013

Work Schedule - End: 10/16/2014

*\*For temporary cranes-Does the permanent structure require separate notice to the FAA? To find out, use the Notice Criteria Tool. If separate notice is required, please ensure it is filed. If it is not filed, please state the reason in the Description of Proposal.*

State Filing:

Structure Summary

Structure Type: Transmission Line  
Structure Name: Cat 31-32 (Point on Static Wire)  
NOTAM Number:  
FCC Number:  
Prior ASN:

Structure Details

Latitude: 37° 19' 43.79" N  
Longitude: 83° 9' 3.44" W  
Horizontal Datum: NAD83  
Site Elevation (SE): 1177 (nearest foot)  
Structure Height (AGL): 262 (nearest foot)  
Current Height (AGL): (nearest foot)  
*\* For notice of alteration or existing provide the current AGL height of the existing structure. Include details in the Description of Proposal*

Nacelle Height (AGL): (nearest foot)  
*\* For Wind Turbines 500ft AGL or greater*

Requested Marking/Lighting: Spherical Markers

**Other :**

Recommended Marking/Lighting: Dual medium catenary

Current Marking/Lighting: N/A New Structure

**Other :**

Nearest City: Hazard

Nearest State: Kentucky

Description of Location: Mountainous terrain in eastern Kentucky

Description of Proposal: This filing is not for a structure, but is a point on a static wire where it is the highest AGL. (See attached exhibit) Bonnyman to Soft Shell 138kV K408.

Common Frequency Bands

Low Freq High Freq Freq Unit ERP ERP Unit

Specific Frequencies

Note: Point 'A' = The Highest Elevation Point  
On The Top Most Wire of The  
Section of Sag Over 200' AGL.

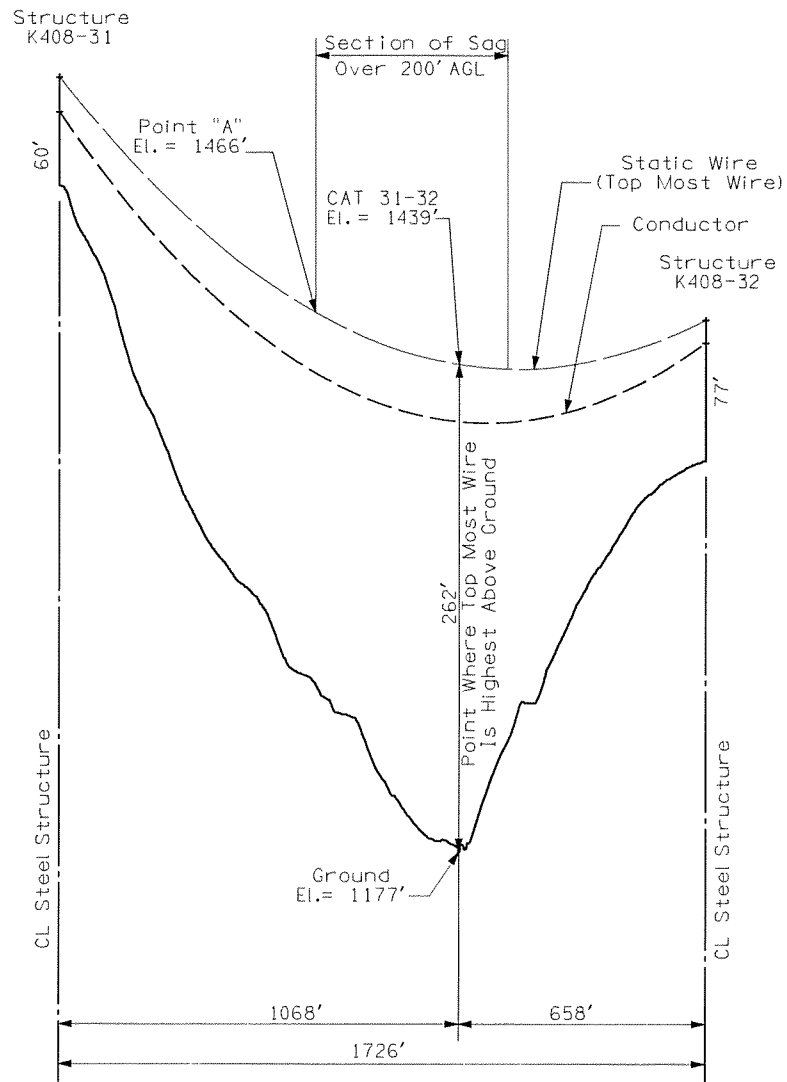


Exhibit 15

Scale:  
Horiz: 1" = 400'  
Vert: 1" = 80'



Mail Processing Center  
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 Southwest Regional Office  
 Obstruction Evaluation Group  
 2601 Meacham Boulevard  
 Fort Worth, TX 76137

Aeronautical Study No.  
 2012-ASO-10501-OE

Issued Date: 01/22/2013

Erica Cutler  
 Power Engineers for AEP  
 1041 521 Corporate Center Drive, Suite 105  
 Fort Mill, SC 29707

**\*\* DETERMINATION OF NO HAZARD TO AIR NAVIGATION \*\***

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure: Transmission Line Cat 31-32 (Point on Static Wire)  
 Location: Hazard, KY  
 Latitude: 37-19-43.79N NAD 83  
 Longitude: 83-09-03.44W  
 Heights: 1177 feet site elevation (SE)  
 262 feet above ground level (AGL)  
 1439 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

As a condition to this Determination, the structure is marked/lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, dual medium catenary - Chapters 4,10(Catenary),&12.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

**See attachment for additional condition(s) or information.**

Any height exceeding 262 feet above ground level (1439 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 07/22/2014 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.

- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

If we can be of further assistance, please contact our office at (847) 294-7458. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2012-ASO-10501-OE.

**Signature Control No: 176289972-181532387**

( DNE )

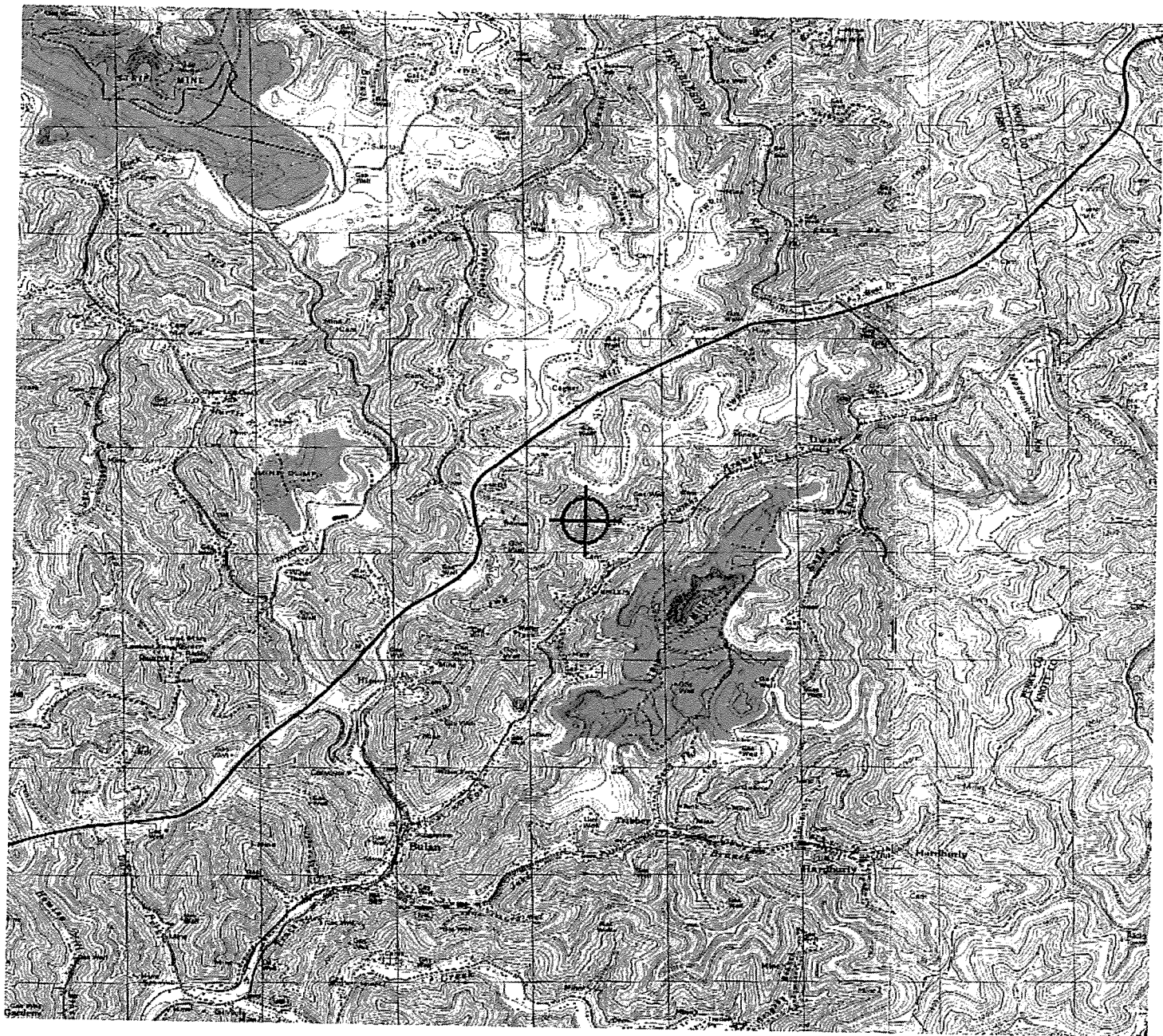
Fred Souchet  
Specialist

Attachment(s)  
Additional Information  
Map(s)

## **Additional information for ASN 2012-ASO-10501-OE**

Based on this evaluation the request for Spherical Markers cannot be granted . Spherical Markers are required if the wire voltage is less than 69 KV. The wire voltage for the above transmission lines is 138kV. Therefore, IAW AC 70/7460-1 K Change 2 this structure is to be marked/lighted with dual medium catenary lighting - Chapters 4, 10 (Centenary) & 12.









### Notice of Proposed Construction or Alteration - Off Airport

Project Name: POWER-000221073-12 Sponsor: Power Engineers for AEP

#### Details for Case : Cat 34-35 (Point on Static Wire)

Show Project Summary

##### Case Status

<b>ASN:</b>	2012-ASO-10502-OE	<b>Date Accepted:</b>	11/02/2012
<b>Status:</b>	Determined	<b>Date Determined:</b>	01/22/2013
	7460-2 (PART II) required within 5 days after the construction reaches its greatest height.	<b>Letters:</b>	01/22/2013  DNE
	Add Supplemental Notice (7460-2)	<b>Documents:</b>	11/01/2012  FAA_34 to 35_Exb ...
<b>Public Comments:</b>	None	<b>Project Documents:</b>	None

##### Construction / Alteration Information

**Notice Of:** Construction  
**Duration:** Permanent  
*if Temporary :* Months: Days:  
**Work Schedule - Start:** 04/15/2013  
**Work Schedule - End:** 10/16/2014

*\*For temporary cranes-Does the permanent structure require separate notice to the FAA? To find out, use the Notice Criteria Tool. If separate notice is required, please ensure it is filed. If it is not filed, please state the reason in the Description of Proposal.*

State Filing:

##### Structure Summary

**Structure Type:** Transmission Line  
**Structure Name:** Cat 34-35 (Point on Static Wire)  
**NOTAM Number:**  
**FCC Number:**  
**Prior ASN:**

##### Structure Details

**Latitude:** 37° 20' 2.90" N  
**Longitude:** 83° 8' 30.02" W  
**Horizontal Datum:** NAD83  
**Site Elevation (SE):** 1083 (nearest foot)  
**Structure Height (AGL):** 274 (nearest foot)  
**Current Height (AGL):** (nearest foot)  
*\* For notice of alteration or existing provide the current AGL height of the existing structure. Include details in the Description of Proposal*

##### Common Frequency Bands

Low Freq	High Freq	Freq Unit	ERP	ERP Unit
----------	-----------	-----------	-----	----------

##### Specific Frequencies

**Nacelle Height (AGL):** (nearest foot)  
*\* For Wind Turbines 500ft AGL or greater*

**Requested Marking/Lighting:** Spherical Markers

**Other :**

**Recommended Marking/Lighting:** Dual medium catenary

**Current Marking/Lighting:** N/A New Structure

**Other :**

**Nearest City:** Hazard

**Nearest State:** Kentucky

**Description of Location:** Mountainous terrain in eastern Kentucky

**Description of Proposal:** This filing is not for a structure, but is a point on a static wire where it is the highest AGL. (See attached exhibit) Bonnyman to Soft Shell 138kV K408.

Note: Point 'A' = The Highest Elevation Point  
On The Top Most Wire of The  
Section of Sag Over 200' AGL.

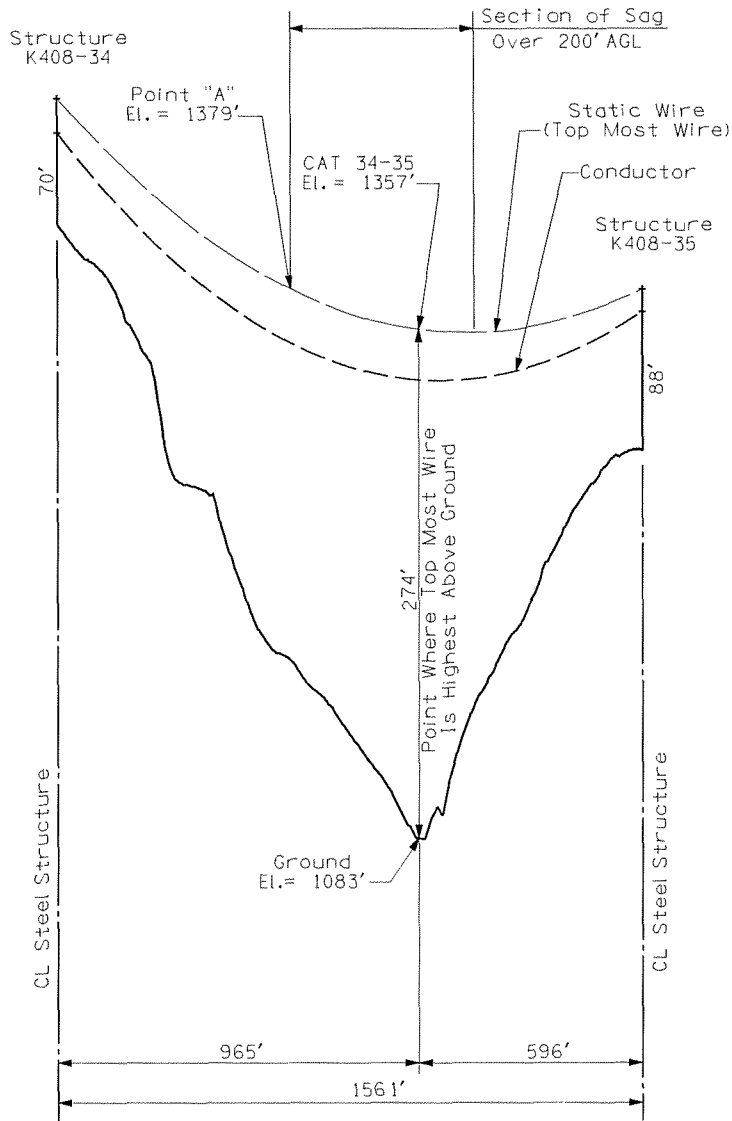


Exhibit 16

Scale:  
Horiz: 1" = 400'  
Vert: 1" = 80'



Mail Processing Center  
 Federal Aviation Administration  
 Southwest Regional Office  
 Obstruction Evaluation Group  
 2601 Meacham Boulevard  
 Fort Worth, TX 76137

Aeronautical Study No.  
 2012-ASO-10502-OE

Issued Date: 01/22/2013

Erica Cutler  
 Power Engineers for AEP  
 1041 521 Corporate Center Drive, Suite 105  
 Fort Mill, SC 29707

**\*\* DETERMINATION OF NO HAZARD TO AIR NAVIGATION \*\***

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Transmission Line Cat 34-35 (Point on Static Wire)
Location:	Hazard, KY
Latitude:	37-20-02.90N NAD 83
Longitude:	83-08-30.02W
Heights:	1083 feet site elevation (SE)
	274 feet above ground level (AGL)
	1357 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

As a condition to this Determination, the structure is marked/lighted in accordance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting, dual medium catenary - Chapters 4,10(Catenary),&12.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part I)
- Within 5 days after the construction reaches its greatest height (7460-2, Part II)

**See attachment for additional condition(s) or information.**

Any height exceeding 274 feet above ground level (1357 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 07/22/2014 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.

- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates , heights, frequency(ies) and power . Any changes in coordinates , heights, and frequencies or use of greater power will void this determination. Any future construction or alteration , including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

If we can be of further assistance, please contact our office at (847) 294-7458. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2012-ASO-10502-OE.

**Signature Control No: 176289994-181532380**  
Fred Souchet  
Specialist

( DNE )

Attachment(s)  
Additional Information  
Map(s)

**Additional information for ASN 2012-ASO-10502-OE**

Based on this evaluation the request for Spherical Markers cannot be granted . Spherical Markers are required if the wire voltage is less than 69 KV. The wire voltage for the above transmission lines is 138kV. Therefore, IAW AC 70/7460-1 K Change 2 this structure is to be marked/lighted with dual medium catenary lighting - Chapters 4, 10 (Centenary) & 12.

