STITES& HARBISON PLLC

ATTORNEYS

August 28, 2013

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

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

HAND DELIVERED

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

RECEVED

AUG 28 2013

PUBLIC CAVICE 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.

Mark R. Overstreet

Very truly yours.

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

LEONARD K. PETERS SECRETARY

STREAM CONSTRUCTION PERMIT

www.kentucky.gov

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

Total James

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

ACTV000000001 (Upgrading electric substation) Expansion of existing electric transmission substation, including removal of 6-12" of topsoil an 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

Page 2 of 2

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

LEONARD K. PETERS SECRETARY

STREAM CONSTRUCTION PERMIT

For Construction In Or Along A Stream

Issued to:

American Electric Power - KY Power Co.

Permit expires on

Address:

1 Riverside Plaza

February 15, 2014

Columbus, OH 43215

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

Took James

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

Page 1 of 2

ACTV000000003 (Fill) Grading and fill, expansion of existing station fencing, installation of new gates and modifications to station structures:

Submittal/Action Requirements:

T-6

T-7

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]
Narrativ	e 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)]

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]

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]

Page 2 of 2

EREATHITT COUNTY LOCAL COVERNMENTS DEVELOPMENT PERMIT

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FOR THE PURPOSE OF FLOODPLAIN MANAGEMENT

er of the end end	ISSUED TO: AMERICAN ELLICTRIC POWER-KENTUCKY POWER CO.
	ADDRESS, <u>ILRIVERSIDE REAZA, COLUMBUS, OHIO 43054</u>
	ACTIVITY: EXPANSION OF EXISTING SUBSTATION AT 37 482895 -83.373058 (NEW CONSTRUCTION, ALTERATIONS, FILL, EXCAVATION, ETC.)
	ISSUED BY: CHRIS PRILEY / FLOODPLAIN COORDINATOR
	DATE: 11/2/12
THIS PERM	T 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

Steven L. Beshear Governor Department of Highways District 12 Office 109 Loraine Street Pikeville, KY 41501 (606) 433-7791 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,

Gene Layne

Permit Inspector

GL:JMP enclosures



An Equal Opportunity Employer M/F/D

Kentucky Encroachment Permit Tracking Maintenance Division



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Quick SEARCH Search Crite	ria: Permit / Trac	king#	Se	arch Value:		****	Map View	Data View
PERMIT GENERAL	L INFORMATION							
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Permit Type: Permit Subtype	· Utlitle: e: Electric		₩ Co	ompany			i Ma	Intain Contacts
Application	Correspondence	Attachments	Routing	Comments	Locations/Inspections	Indemnity	Approvals	
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TC 99-1 (B) 1/2012 Page 1 of 1

ENCROACHMENT PERMIT

Permits Branch

KEPTS No.: A12-2013-00026										
Permittee:	Kentucky Power Company									
Latitude:	37.399579									
Longitude:	-82.956988									
Completion Date:										
	the TC	99-1(B) are the approved location	for this permit							
_	Indemnities									
Туре		Amount Required	Tracking Number							
Performance Bond	t	0								
Payment Bond										
Liability Insurance	•									
This permit has been:										
APPROVED X		DENIED								
Greg Couch										
NAME	TITLE									
Greg Couch		2/15/20	013							
SICNATURE	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

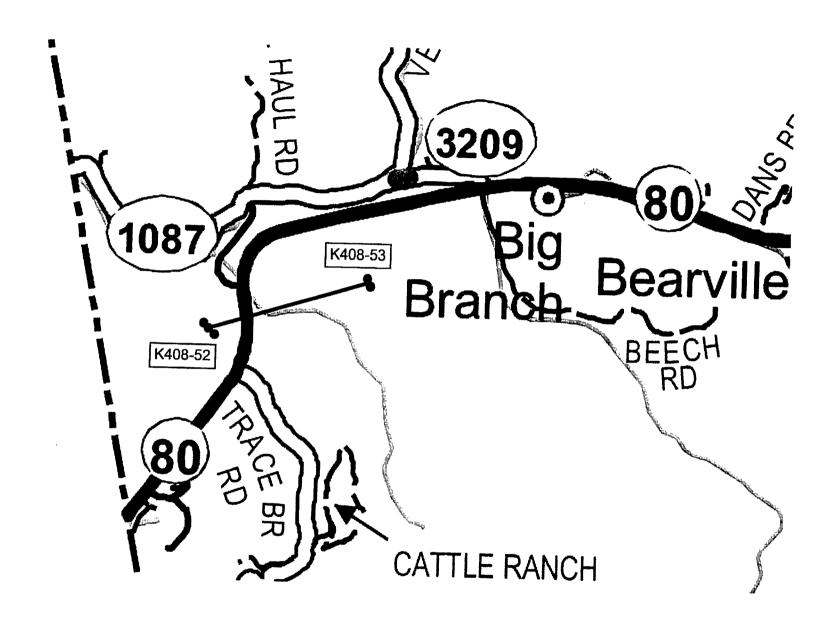
TC 99-1 (A) 8/2012 Page 1 of 4

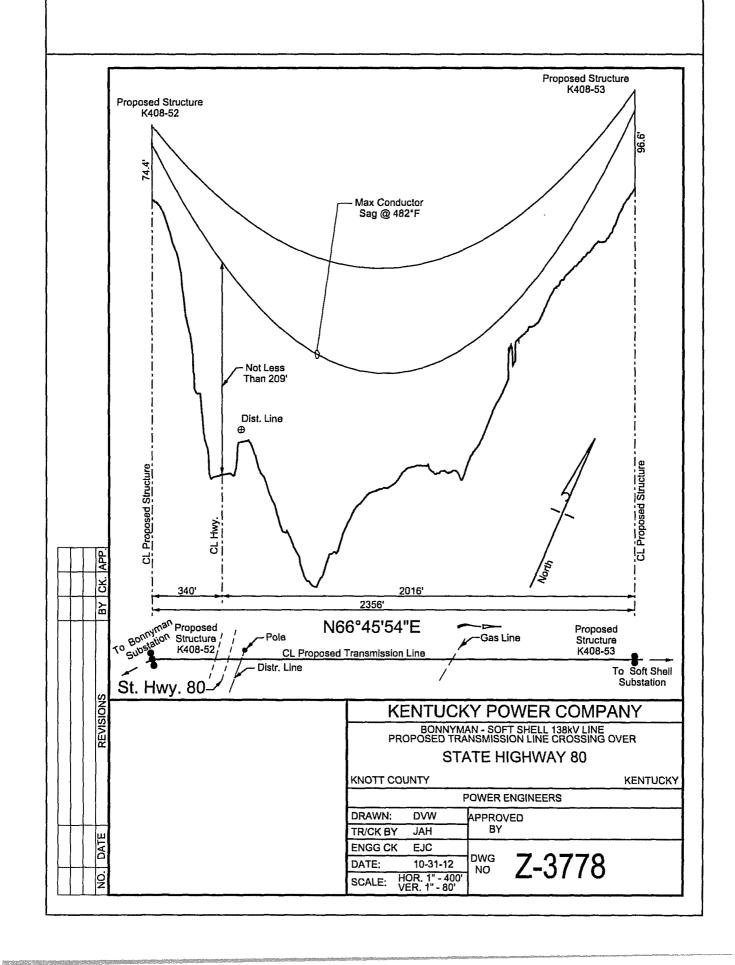
APPLICATION FOR ENCROACHMENT PERMIT

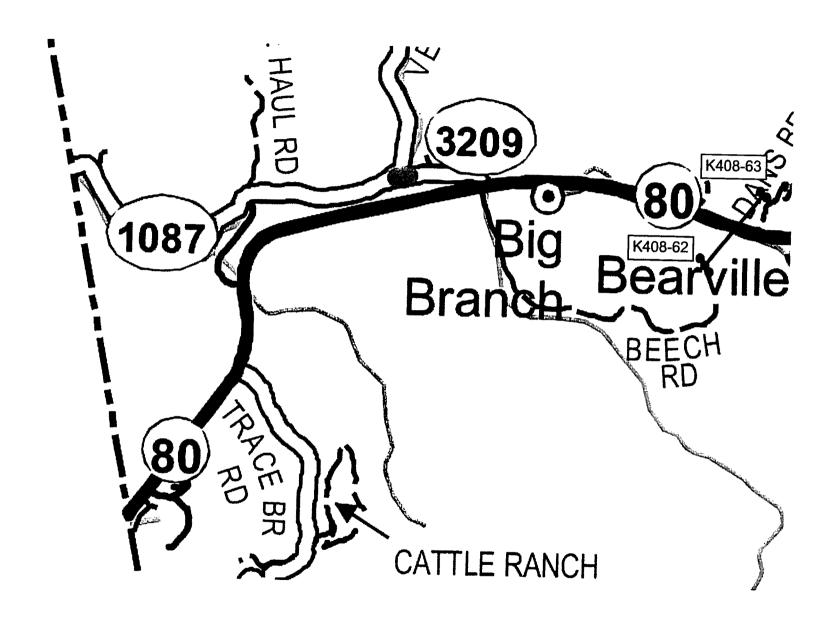
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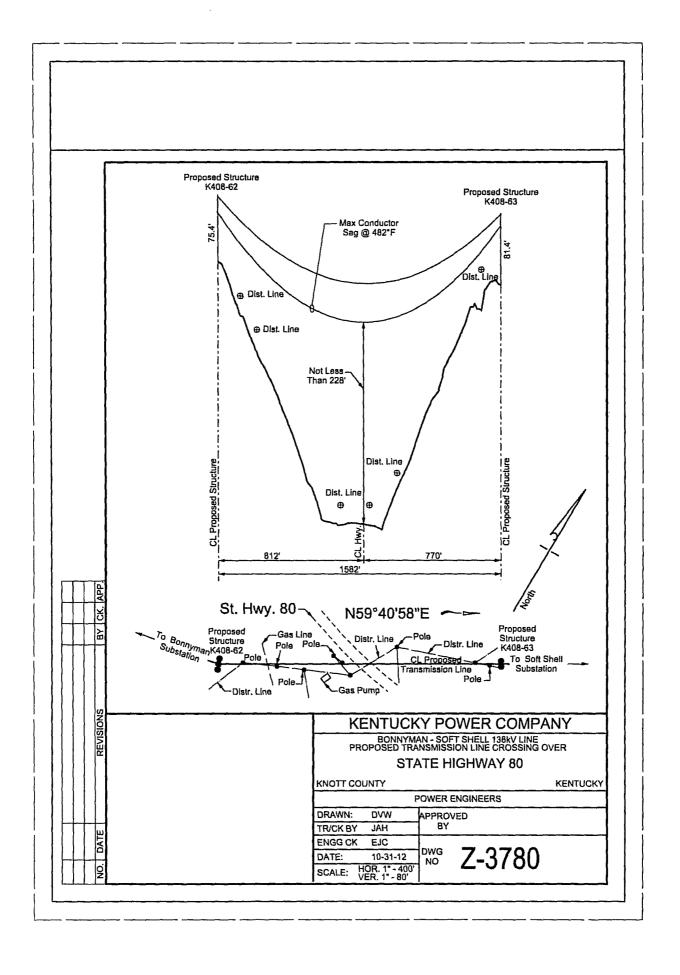
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lame	Kentucky Pow	er Comp	pany	Permit Infor	mation		
Address	PO Box 2021			Address			
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itate	VA	Zip	24022	County	Knott County	ı	**************************************
hone#	540 562-7118			Route No.	KY-80	Mile- Point	0 - 12
Contact	John Edwards			Longitude (X)			
hone 5	640 562-7118	Cell		Latitude (Y)			
imall j	dedwards@aep.co	om		Information be	elow to be filled o	out by KYTC	
Contact .	Fred Hogrefe			Air Right	☐ Entra	ince	
hone 5	40 562-7063	Cell		Utilities	Othe	r:	
mail f	vhogrefe@aep.co	m		-		-	
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				Access:	Full	☐ Partial	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 LINDERS	IGNED PERMITTEE(s)	(being dui	y authorized representati	ve(s) or owner(s)) I	DO AGREE TO ALL T	ERMS AND CO	NDITIONS ON THE

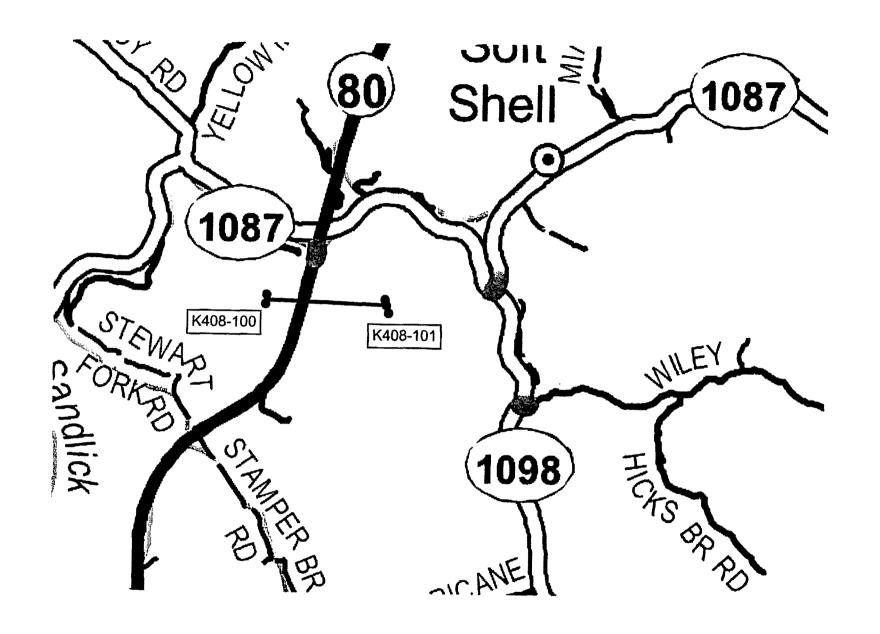
This is not a permit unless and until the permittee(s) receives an approved TC 99-1(B) from KYTC. This application will become void if not approved by the cancellation date. The cancellation date will be one year from the date the permittee submits their application.

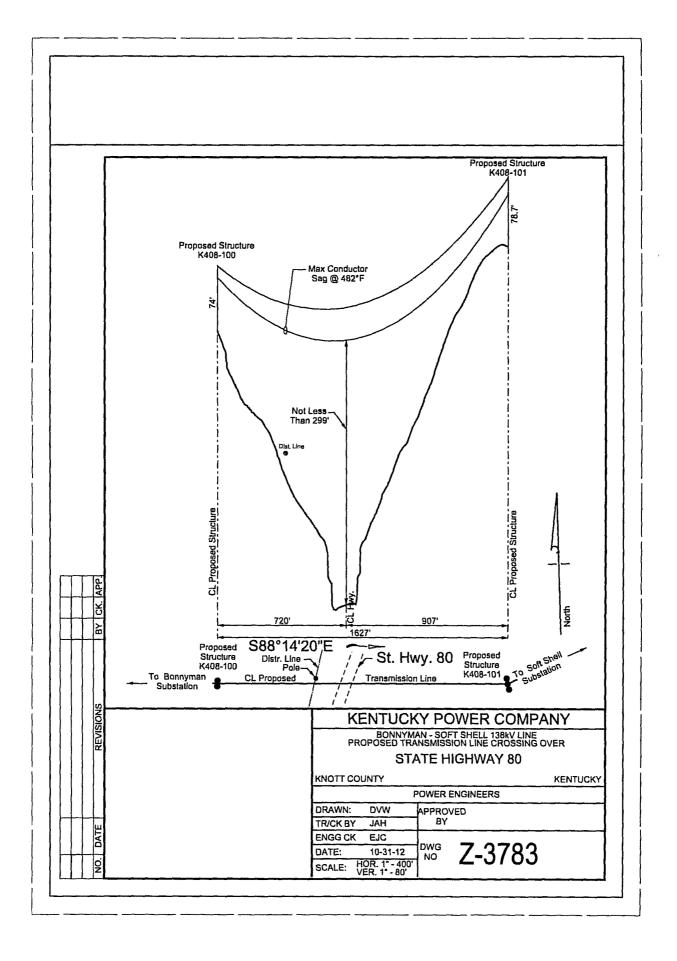


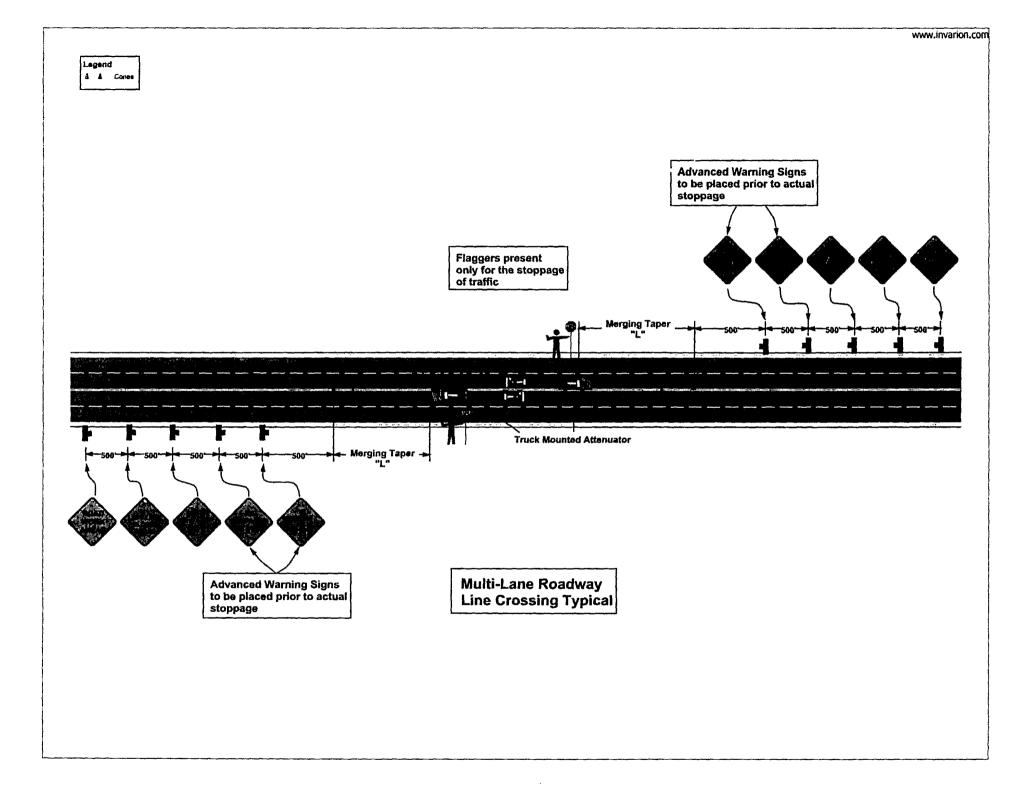












Kentucky Transportation Cabinet Permit Inspection Status Report

NOTICE OF COMPLETION

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

<u>APPLICANT IDENTIFICATION</u> <u>PROJECT IDENTIFICATION</u>

Name: KENTUCKY POWER COMPANY PERMIT #: 12-2013-00026

Contact Person: JOHN EDWARDS County: KNOTT COUNTY

Address: P.O. BOX 2021 Route: KY 80

City: ROANOKE Road: HINDMAN-HAZARD

State: VA ZIP: 24022 Milepost: 11.890

Telephone: 540-562-7063

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

Steven L. Beshear Governor

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

Gene Layne

Permit Inspector

GL:JMP enclosures



An Equal Opportunity Employer M/F/D

Kentucky Encroachment Permit Tracking Maintenance Division



PERMIT GENERAL INFORMATION Permit/Tracking #: A12-2013-00027 Permit Status: Approved Status Date: 2/18/2013 District: 12 - Pikeville Filling Date: 2/6/2013 Cancel Date: 4 Address: P. O. Box 2021 Phone: (540)562-7118 Completion Date: Roanoke, VA 24022 Email: jdedwards@aep.com Permit Type: Utilities Fermit Subtype: Electric Application Correspondence Attachments Routing Comments Lacations/Inspections Indemnity Approvals Location Data Description: 2.5 tenths drom ky 1088 County: Knett Route: KY 1087 BMP/EMP: 14.400 / 14.400 K Lat/Long Set Activity: New Install Location: Overhead Contract Agr #: Description: Install overhead crossing	no Permits Searc	h+ User Guide	Reports+				Welcome Judy	Pafundal	A
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Rosnoke, VA 24022 Email: jdedwards@sep.com Permit Type: Utilities Permit Subtype: Electric Application Correspondence Attachments Routing Comments Locations/Inspections Indemnity Approvals Location DATA Description: 2.5 tenths drom ky 1088 Most Recent Inspections for this location. County: Knott Route: KY 1087 BMP/EMP: 14.400 / 14.400 Indemnity New Install Location: Overhead Contract Agr #: Description: Install overhead crossing	_	2/6/20)13	844-6		7001	Phone	/640)567.7118	
Permit Type: Utilities Permit Type: Electric Application Correspondence Attachments Routing Comments Locations/Inspections Indemnity Approvals Location Data Description: 2.5 tenths drom ky 1088 County: Knott Route: KY 1087 BMP/EMP: 14.400 / 14.400 Lat/Long Set Activity: New Install Location: Overhead Contract Agr #: Description: Install overhead crossing				Addie	, , , , , ,			•	
Application Correspondence Attachments Routing Comments Locations/Inspections Indemnity Approvals Location Data Description: 2.5 tenths drom ky 1088 County: Knott Route: KY 1087 BMP/EMP: 14.400 / 14.400 □ Lat/Long Set Activity: New Install Location: Overhead Contract Agr #: Description: Install overhead crossing	•			l		NO, THE ENGLE	Littati.		
Application Correspondence Attachments Routing Comments Locations/Inspections Indemnity Approvals Location Data	• •		=	₩ C	ompany			Maint	sin Contacts
Description: 2.5 tenths drom ky 1088 County: Knott Route: KY 1087 BMP/EMP: 14.400 / 14.400 Lat/Long Set Activity: New Install Location: Overhead Contract Agr #: Description: Install overhead crossing	ermit Subtype:	Electri	C	<u> </u>					
Description: 2.5 tenths drom ky 1088 County: Knott Route: KY 1087 BMP/EMP: 14.400 / 14.400 Lat/Long Set Activity: New Install Location: Overhead Contract Agr #: Description: Install overhead crossing	Application Co	rrespondence	Attachments	Routing	Comments	Lacations/Inspections	Indemnity	Approvals -	
Description: 2.5 tenths drom ky 1088 County: Knott Route: KY 1087 BMP/EMP: 14.400 / 14.400 Lat/Long Set Activity: New Install Location: Overhead Contract Agr *: Description: Install overhead crossing	LOCATION DATA								
2.5 tenths drom ky 1088 There are no inspections for this location. County: Knott Route: KY 1087 BMP/EMP: 14.400 / 14.400 Lat/Long Set Activity: New Install Location: Overhead Contract Agr #: Description: Install overhead crossing				r Moe	t Recent Incore	and			
County: Knott Route: KY 1087 BMP/EMP: 14.400 / 14.400 Lat/Long Set Activity: New Install Location: Overhead Contract Agr #: Description: Install overhead crossing		n ky 1088				• • • • • • • • • • • • • • • • • • • •			
Route: KY 1087 BMP/EMP: 14.400 / 14.400 Lat/Long Set Activity: New Install Location: Overhead Contract Agr #: Description: Install overhead crossing				inere	are no inspe	ctions for this location.			
BMP/EMP: 14.400 / 14.400 Lat/Long Set Activity: New Install	County:	Knott							
Activity: Activity: Location: Contract Agr #: Description: Install overhead crossing	Route:	KY 1087							
Activity: Location: Overhead Contract Agr #: Description: Install overhead crossing	BMP/EMP:	14.400 / 14	.400						
Location: Overhead Contract Agr #: Description: Install overhead crossing	R Lat/Long Se	t							
Location: Overhead Contract Agr #: Description: Install overhead crossing	Activity:		New Install	· · · · · · · · · · · · · · · · · · ·			····		
Description: Install overhead crossing	•		Overhead						
Install overhead crossing	Contract Agr #:								
	Description:								
	install overhead	crossing	والمراجع والم والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراج		The second se	a garde releggiar ett anna adellar en de ar terreprise delle e de parte cen est el ten e pete chare fluido e			
		-							
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Kentucky Tra	ansporta	ation (Cabinet
Departn	nent of	Highv	vays
Pe	rmits B	ranch	1

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

ENCROACHMENT PERMIT

KEPTS No.:	A12-2013-00027						
Permittee:	Kentucky Power Company						
Latitude:	37.398	548 					
Longitude:	-82.948	707					
Completion Date:							
	انحنا						
Coordinates provided	on the TC	99-1(B) are the approved loc	cation f	or this permit			
		Indemnities]		
Type		Amount Required		Tracking Number			
Performance Bo	ond	0]		
Payment Bon	d]		
Liability Insurar	nce						
This permit has bee	n:						
APPROVED X		DENIED					
لتنا							
Greg Couch							
NAME		Т	ITLE				
Greg Couch		2	/15/201	13			
					page (Marie Marie		
SIGNATURE		D	ATE				

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



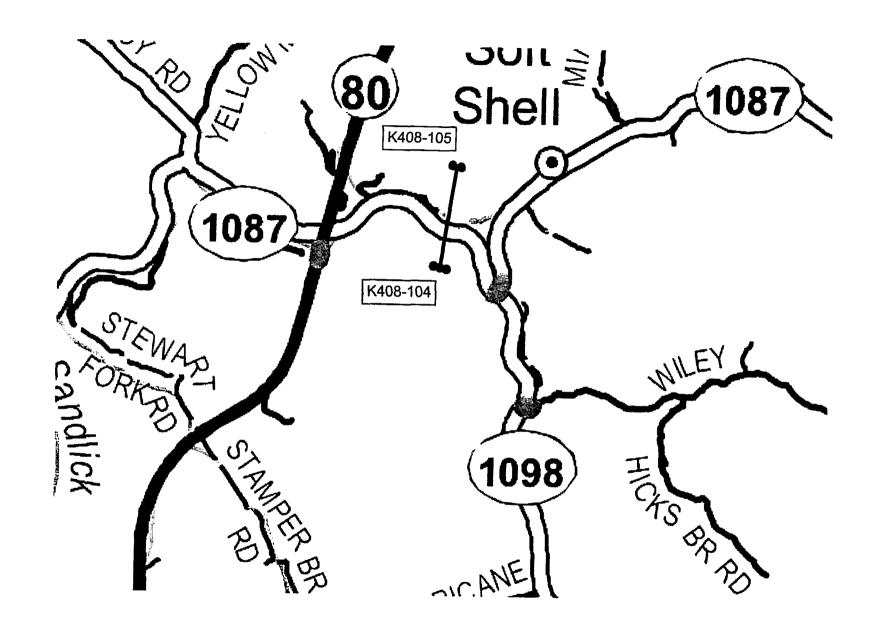
Kentucky Transportation Cabinet Department of Highways Permits Branch

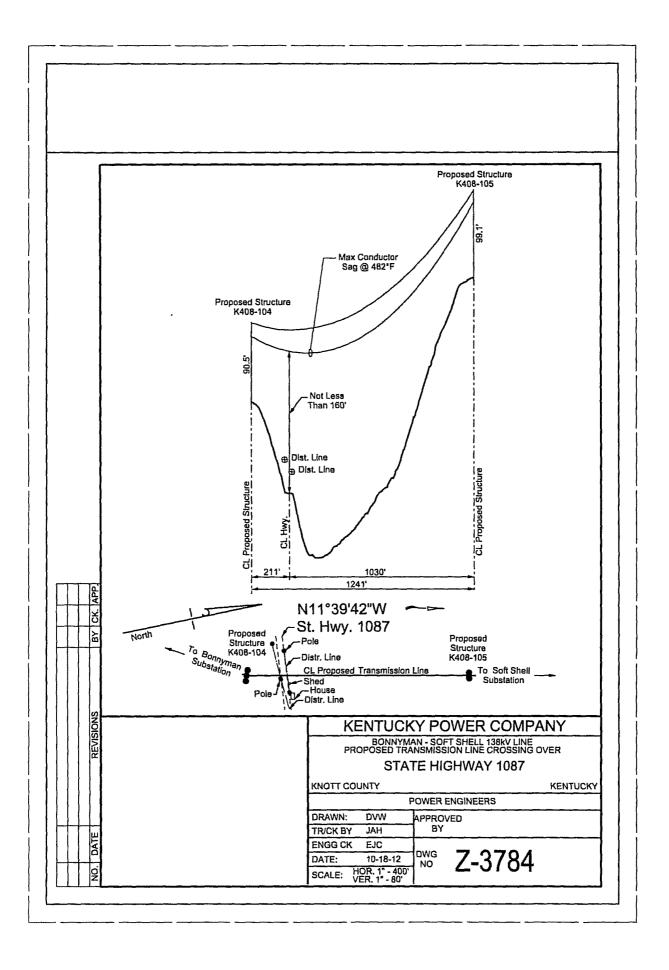
TC 99-1 (A) 8/2012 Page 1 of 4

APPLICATION FOR ENCROACHMENT PERMIT 7/2 -2013-000 27

Permitte	ee Information	1	VVTC	No.		
Name	Kentucky Power Company	Permit Infor		. 140. [
Address	PO Box 2021	Address				
		City	- Province and the Parket State of Management of State of	······································		
City	Roanoke	State		Zip		
State	VA Zip 24022	County	Knott County			
Phone#	540 562-7118	Route No.	KY-1087	Mile- Point	14=35	14.4
Contact	John Edwards	Longitude (X)				
Phone	540 562-7118 Cell	Latitude (Y)				
Email	jdedwards@aep.com	Information be	low to be filled ou	t by KYTO		
Contact	Fred Hogrefe	Air Right	Entran	ce		
Phone	540 562-7063 Cell	Utilities	Other:			
Email	fvhogrefe@aep.com					
			Left	Righ	t [X-ing
		Access:	☐ Full	Part	ial [by Permit
General	Description of Work:	*	en.			
install ove road.	er head transmission line from ridge to ridge ove	r highway. High	nway 1087 has a	160' mii	nimum clea	arance over
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 Hage	1/31	/2017			
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 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.

<u>APPLICANT IDENTIFICATION</u> <u>PROJECT IDENTIFICATION</u>

Name: KENTUCKY POWER COMPANY PERMIT #: 12-2013-00027

Contact Person: JOHN EDWARDS County: KNOTT COUNTY

Address: P.O. BOX 2021 Route: KY 1087

City: ROANOKE Road:

State: VA ZIP: 24022 Milepost: 14.400

Telephone: 540-562-7063

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

Steven L. Beshear Governor

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

Gene Layne

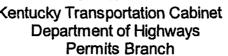
Permit Inspector

GL:JMP enclosures



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

ENCROACHMENT PERMIT

KEPTS No.:	A12-20	13-00028					
	1						
Permittee:		ky Power Company					
	03						
Latitude:	37.382	068					
1 - · · · • 4 · · · • • · ·							
Longitude:	-83.002	2841					
Completion Date:	Fi						
Completion Date:	17.						
Coordinates provided	on the TC	99-1(B) are the approved	location	for this permit			
		Indemnities					
Туре		Amount Required		Tracking Number			
Performance Bo	e Bond 0						
Payment Bon	ıd						
Liability Insurar	nce						
This permit has bee	n:						
APPROVED X		DENIED					
لنحا							
Greg Couch							
W.							
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



me Permits Searc	h+ User Guide	Reports+				Welcome Judy	Pafundal	
Quick SEARCH	Permit / Trac	king# •	Se	arch Value:			Map View	Data View
PERMIT GENERAL IN	FORMATION							
Permit/Tracking #: District: Filing Date:			Permit Status: Approved Kentucky Power Company: Applicant			Status Date:		
Cancel Date: Completion Date:			Addres		30x 2021 ke , VA 24022	Phone: Email:	(540)562-7063 jdedwards@ae	
Permit Type: Permit Subtype:	Utilitie: Electric	="	₩ Co	mpany			Halo	tein Contacts
Application Co	rrespondence	Attachments	Routing	Comments	Locations/Inspections	Indemnity	Approvals -	
Description: Three tenths of County: Route: BMP/EMP: Lat/Long Se	Knott KY 160 14.601 / 14.			RECENT INSPEC	TION tions for this location.			
Activity: Location: Contract Agr #:		New Install Overhead						
Description:		17 <i>-77-</i> 20-20-20-20-20-20-20-20-20-20-20-20-20-2			The state of the s			
Install overhead o	rossing							

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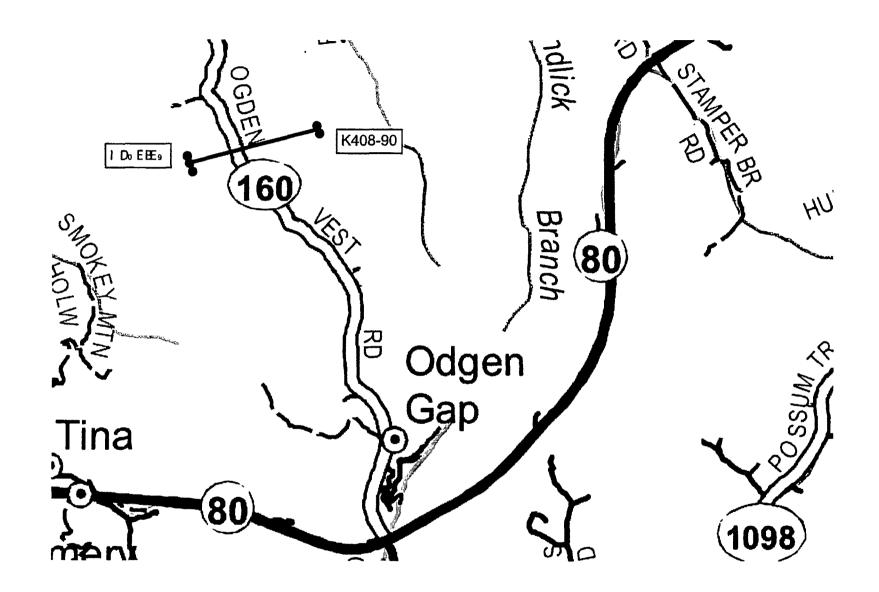
Kentucky Transportation Cabinet Department of Highways Permits Branch

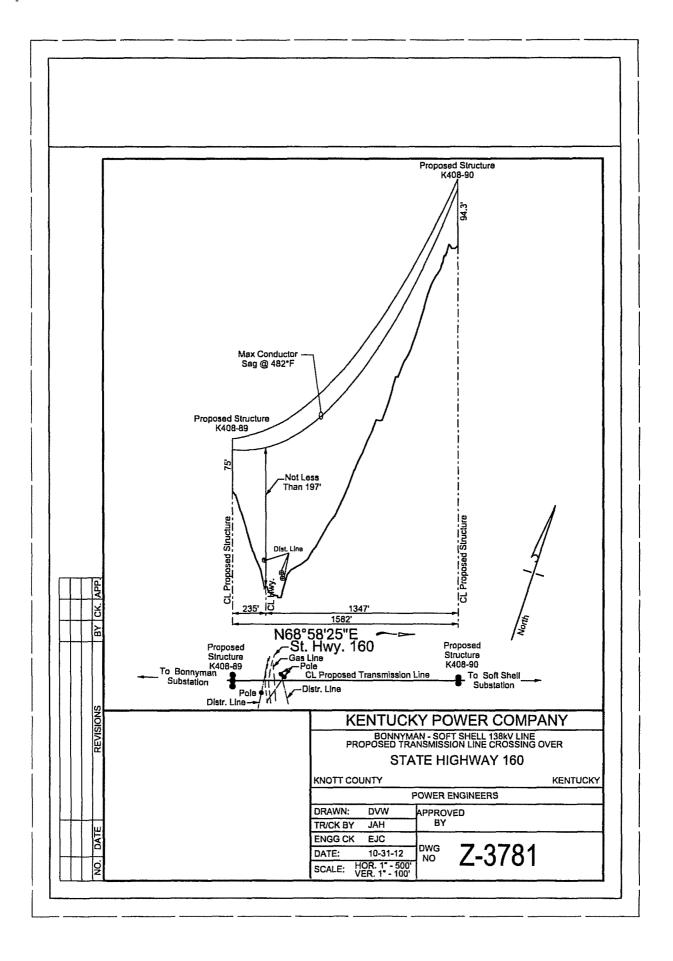
TC 99-1 (A) 8/2012 Page 1 of 4

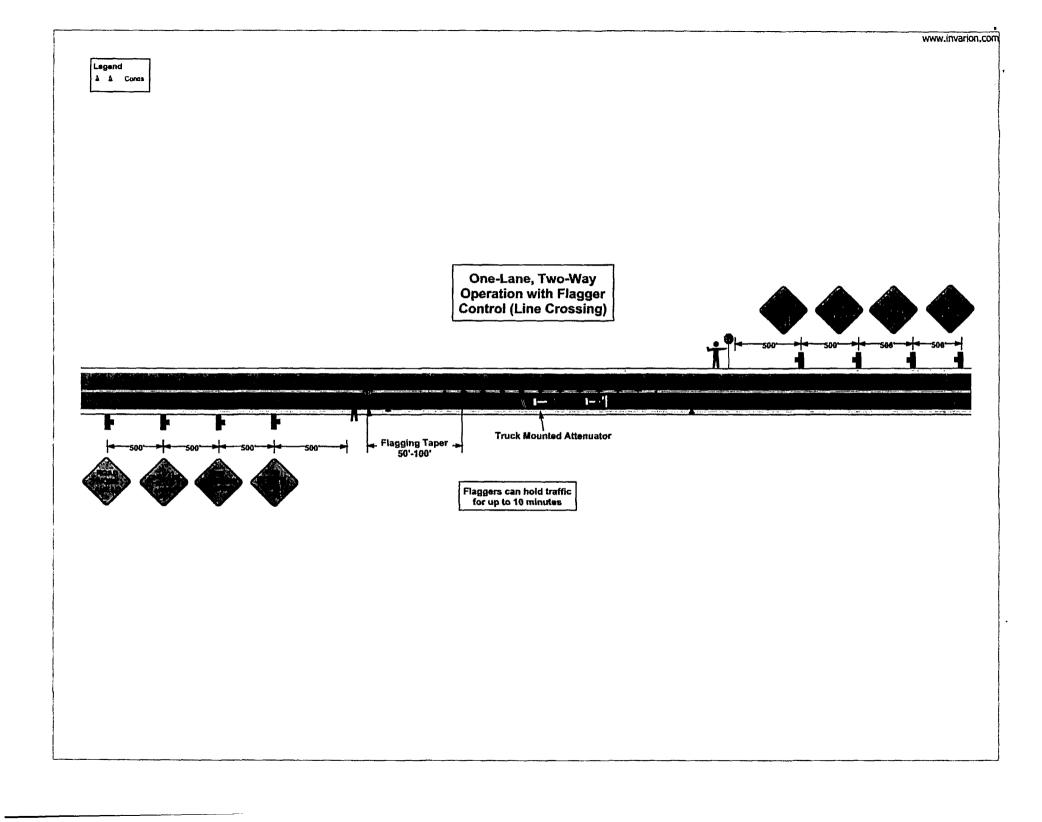
APPLICATION FOR ENCROACHMENT PERMIT 7/2 -2013 - 000 25

Permittee Information	KYTC No.					
Name Kentucky Power Company	Permit Information					
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 14.6					
Contact John Edwards	Longitude (X)					
Phone 540 562-7118 Cell	Latitude (Y)					
Email jdedwards@aep.com	Information below to be filled out by KYTC					
Contact Fred Hogrefe	Air Right Entrance					
Phone 540 562-7063 Cell	Utilities Other:					
Email fvhogrefe@aep.com						
	☐ Left ☐ Right ☐ X-ing					
	Access: Full Partial by Permit					
General Description of Work:						
Install over head transmission line from ridge to ridge over road.	er highway. Highway 160 has a 197' minimum clearance over					
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). Hogal	1/31/2013					
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 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

PROJECT IDENTIFICATION

Name: KENTUCKY POWER COMPANY

PERMIT #: 12-2013-00028

Contact Person: JOHN EDWARDS

County: KNOTT COUNTY

Address: P.O. BOX 2021

Route: KY 160

City: ROANOKE

Road:

State: VA

ZIP: 24022

Milepost: 14.601

Telephone: 540-562-7063

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



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

APPLICATION FOR ENCROACHMENT PERMIT

Permittee Information	KYTC No. 770-2013-00014				
Name Kentucky Power Company	Permit Information				
Address PO Box 2021	Address SR-1862 (Winter Way)				
	City				
City Roanoke	State Zip				
State VA Zip 24022	County Perry County				
Phone# 540 562-7118	Route No. SR 1862 Mile-Point 9.38 9.9				
Contact John Edwards	Longitude (X) 83°11'27" W				
Phone 540 562-7118 Cell	Latitude (Y) 37°18'23" N				
Email jdedwards@aep.com	Information below to be filled out by KYTC				
Contact Fred Hogrefe	Air Right Entrance				
Phone 540 562-7063 Cell	Utilities Other:				
Email fvhogrefe@aep.com					
	Left Right X-ing				
	Access: Full Partial 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.					
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). 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				





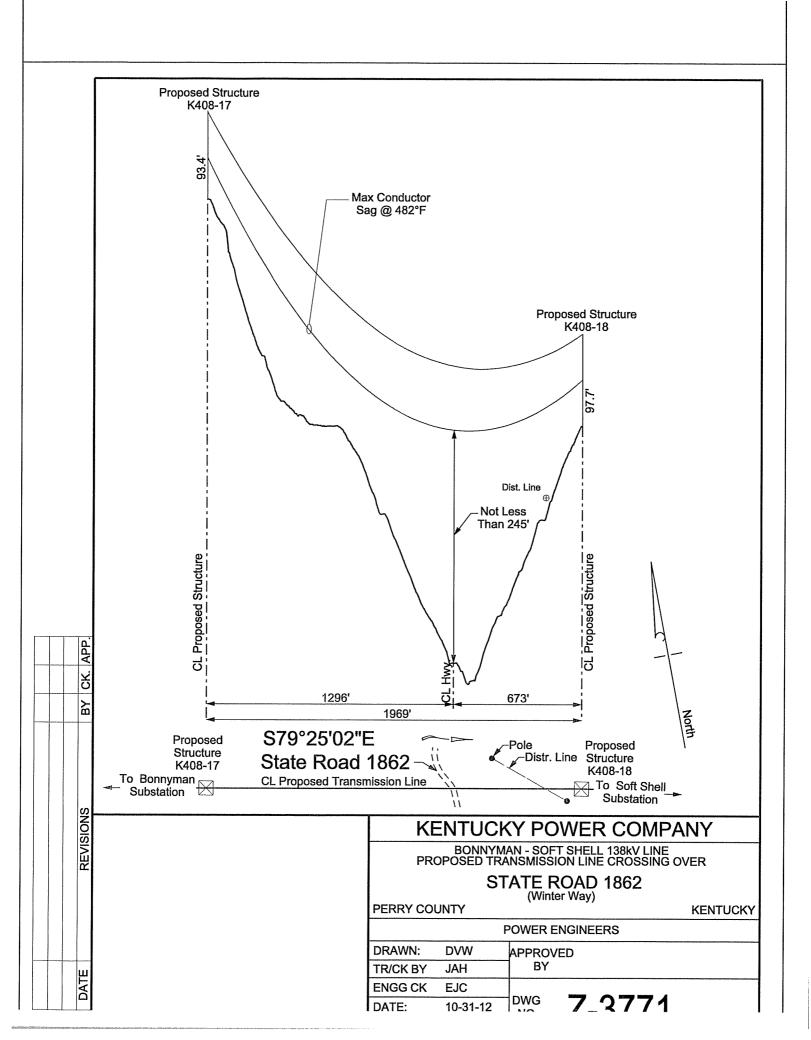


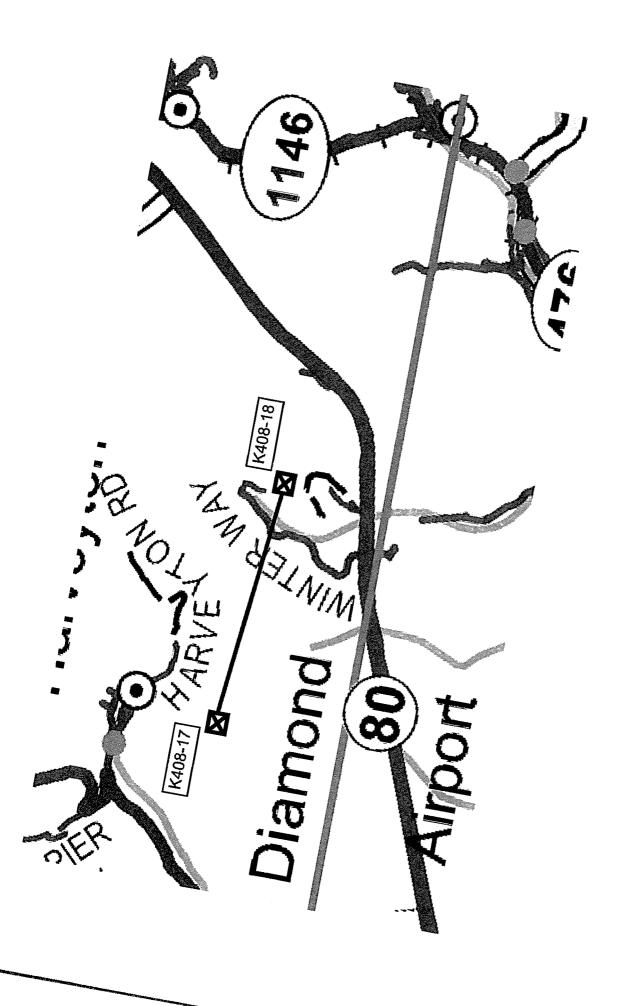


TC 99-1 (B) 1/2012 Page 1 of 1

ENCROACHMENT PERMIT

KEPTS No.:	A10-20	13-00014 				
Permittee:	Kentuck	ky Power Company	<u>landary furnication demo</u>			
Latitude:	37.3149	940		Service Agricultural State Service Ser		
Longitude:	-83.173	002				
Completion Date:	GANGAR TRANSPORT					
Coordinates provided		0 - 31 - 14 C 99-1(B) are the appro	oved location	for this permit		
		Indemnities				
Туре		Amount Required		Tracking Number		
Performance Bo	ond	0				
Payment Bon	d					
Liability Insurar	ıce .					
This permit has bee				STATEWIDE	BUND - S	THIS PERMA
APPROVED X		DENIED				
Jeremy Carty						
NAME			TITLE			
Jeremy Carty			2/27/2013		<u> </u>	
SIGNATURE			DATE			MM A PM







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

APPLICATION FOR ENCROACHMENT PERMIT

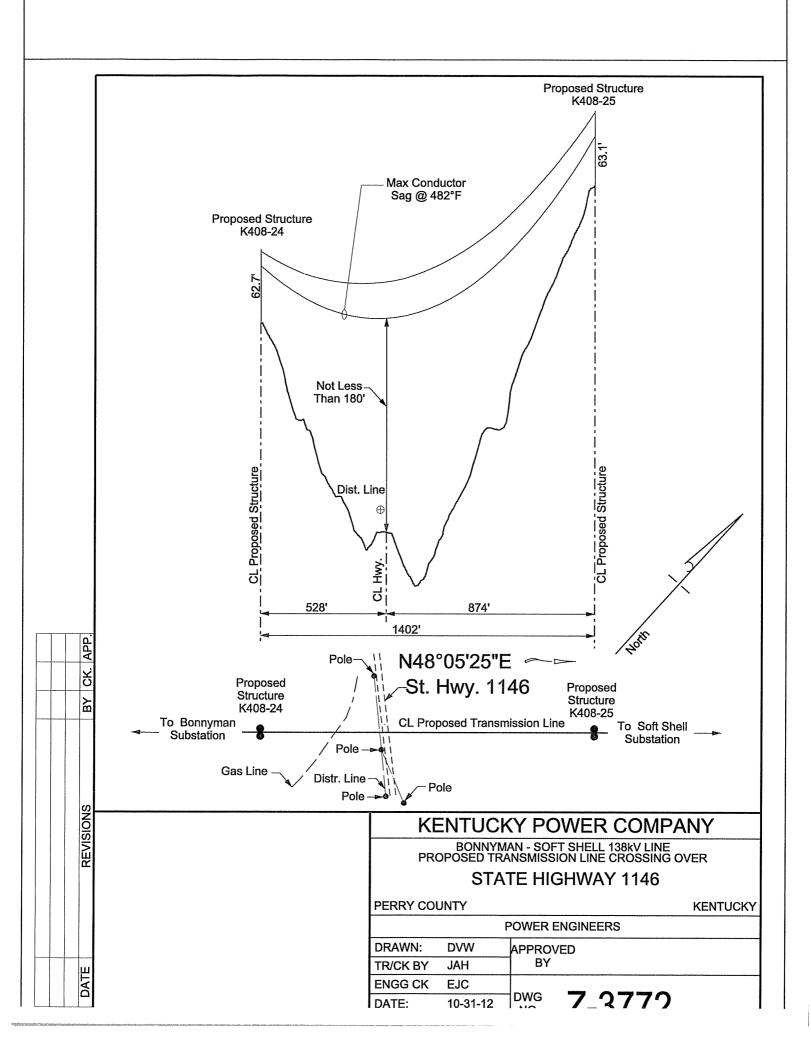
Permittee Information	KYTC No.			
Name Kentucky Power Company	Permit Information			
Address PO Box 2021	Address			
	City			
City Roanoke	State Zip			
State VA Zip 24022	County Perry County			
Phone# 540 562-7118	Route No. SR-1146 Mile- Point 4.05			
Contact John Edwards	Longitude (X) 83°10'25" W			
Phone 540 562-7118 Cell	Latitude (Y) 37°18'56" N			
Email jdedwards@aep.com	Information below to be filled out by KYTC			
Contact Fred Hogrefe	Air Right Entrance			
Phone 540 562-7063 Cell	Utilities Other:			
Email fvhogrefe@aep.com				
	Left Right X-ing			
	Access: Full Partial by Permit			
General Description of Work:				
Install overhead transmission line from ridge to ridge over road.	er highway. Highway 1146 has a 180' minimum clearance over			
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			

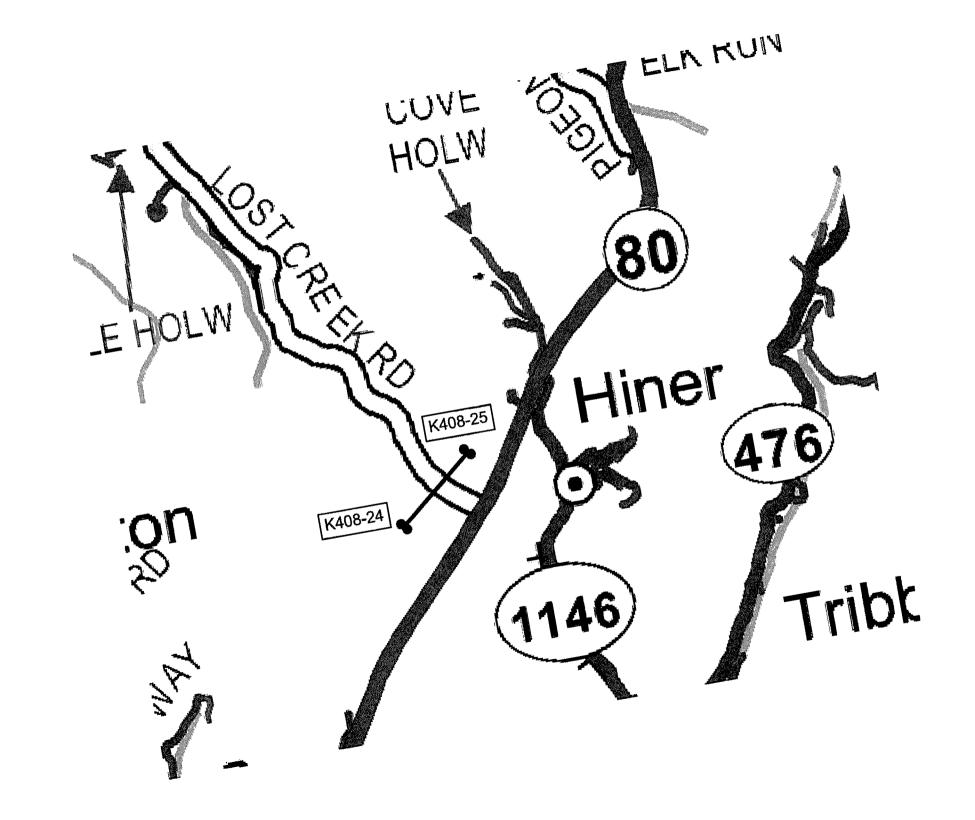


TC 99-1 (B) 1/2012 Page 1 of 1

ENCROACHMENT PERMIT

KEPTS No.:			
Permittee:			
Latitude:	37°18'56" N		
Longitude:	83°10'25" V	V	
Completion Date:	October 31,	2014	
Coordinates provided	d on the TC 99	9-1(B) are the approved location for t	his permit.
		Indemnities	
Туре		Amount Required	Tracking Number
Performance			
Payment Bo	ond		
Liability Insur	ance		
This permit has been APPROVED		ENIED	
NAME		TITLE	
SIGNATURE		DATE	







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

APPLICATION FOR ENCROACHMENT PERMIT

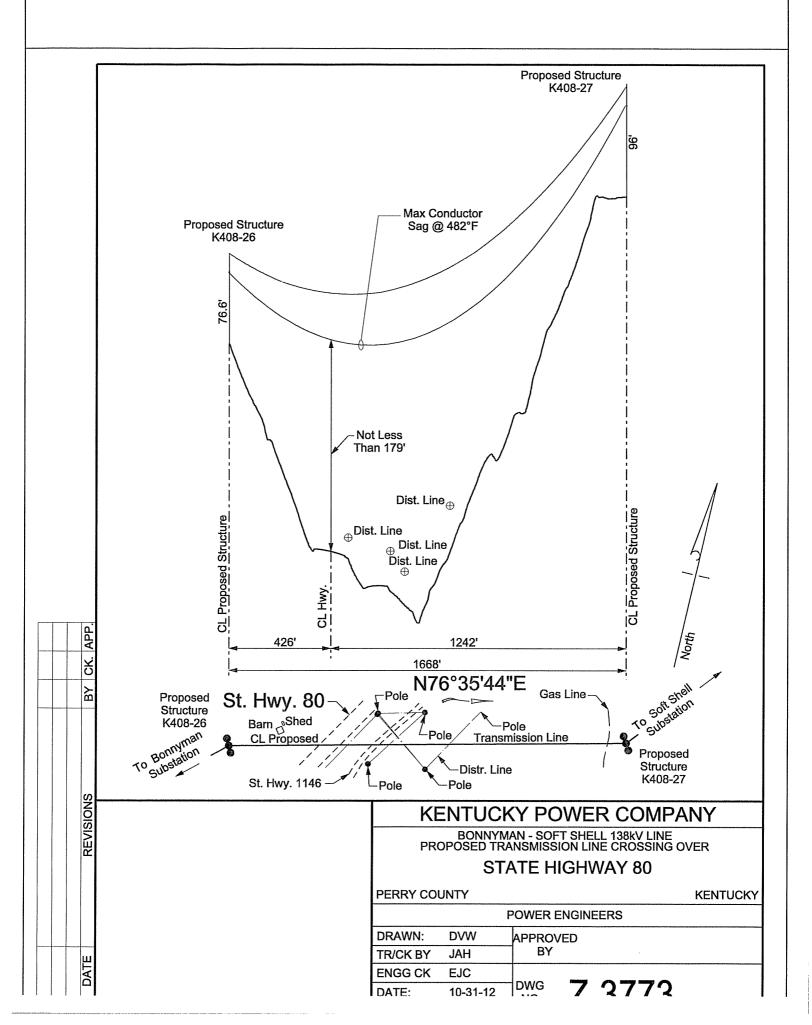
Permittee Information	LANCE NO.				
Name Kentucky Power Company	KYTC No.				
Name Remucky Power Company	Permit Information				
Address PO Box 2021	Address				
	City				
City Roanoke	State Zip				
State VA Zip 24022	County Perry County				
Phone# 540 562-7118	Route No. KY-80 Mile- Point 11.7				
Contact John Edwards	Longitude (X) 83°10'06" W				
Phone 540 562-7118 Cell	Latitude (Y) 37°19'06" N				
Email jdedwards@aep.com	Information below to be filled out by KYTC				
Contact Fred Hogrefe	☐ Air Right ☐ Entrance				
Phone 540 562-7063 Cell	Utilities Other:				
Email fvhogrefe@aep.com					
	Left Right X-ing				
	Access: Full Partial by Permit				
General Description of Work:					
Install overhead transmission line from ridge to ridge over	er highway. Highway 80 has a 179' minimum clearance over				
THE UNDERSIGNED PERMITTEE(s) (being duly authorized representative	e(s) or owner(s)) DO AGREE TO ALL TERMS AND CONDITIONS ON THE				
TC 99-1 (A).	1/17/2013				
Signature					
Signature	Date '				

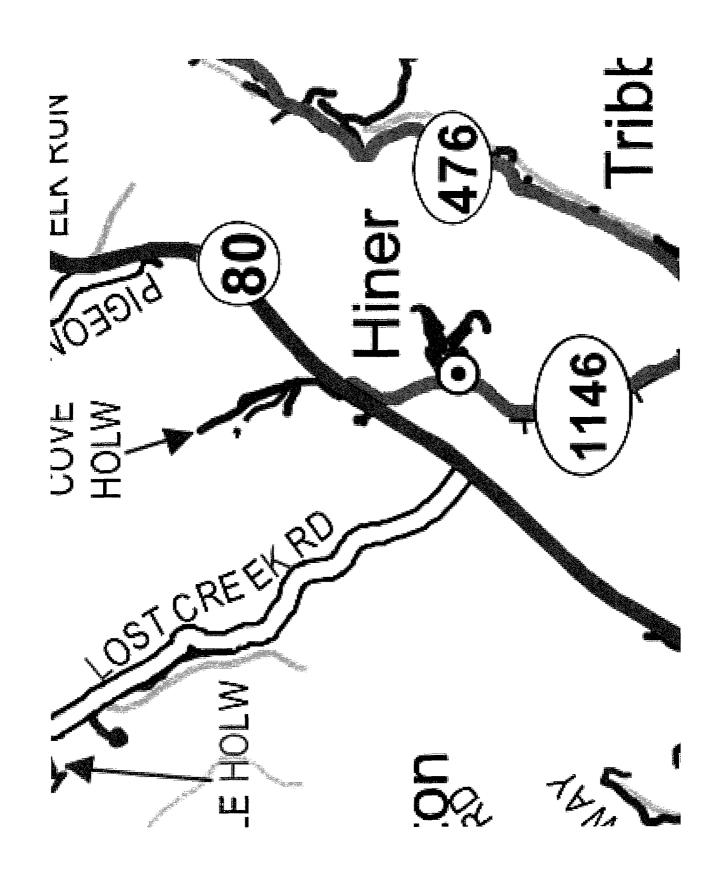




ENCROACHMENT PERMIT

KEPTS No.:		MANAGE -		_			
Permittee:	Kentucky Power Company						
Latitude:	37°19'06" N			_			
Longitude:	83°10'06" W	/		_			
Completion Date:	October 31,2	2014		_			
Coordinates provide	d on the TC 99	I-1(B) are the app	roved location for	this permit.			
		Inde	nnities				
Туре		Amount	Required	Tracking Number			
Performance							
Payment Bo							
Liability Insur	ance						
This permit has beer	n:						
APPROVED	DE	NIED					
NAME			TITLE				
SIGNATURE			DATE				







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

APPLICATION FOR ENCROACHMENT PERMIT

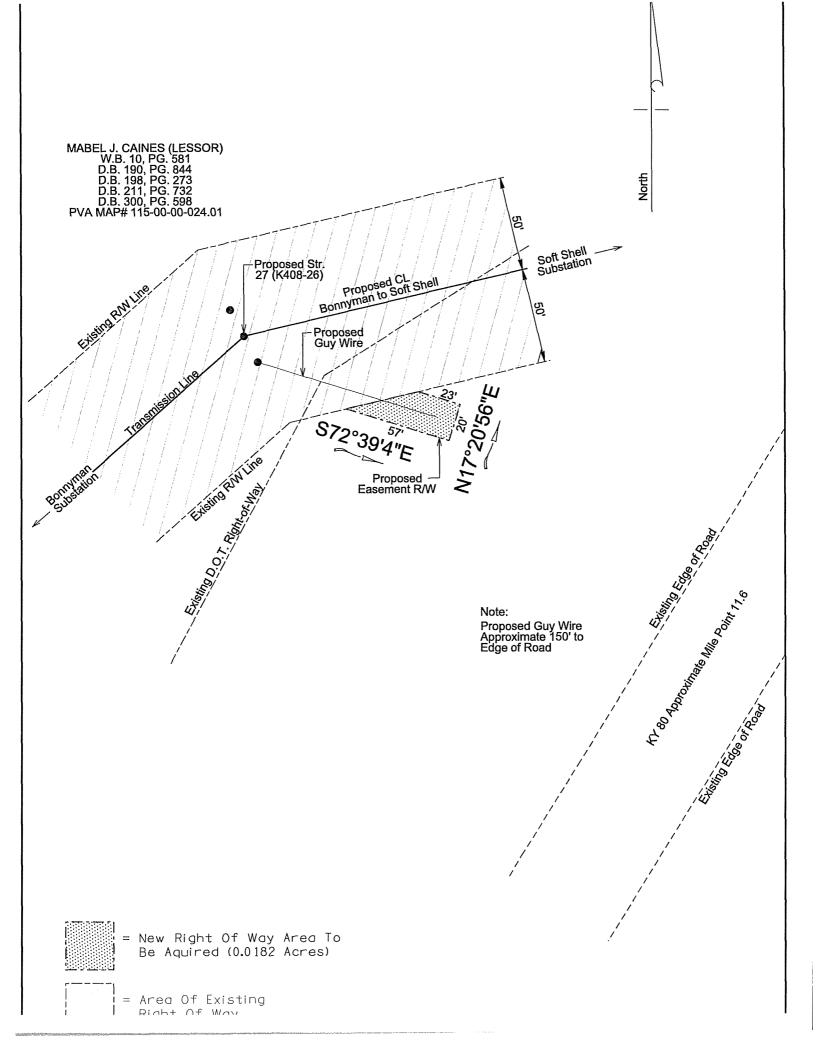
Permittee Information		KYTC No.						
Name	Kentucky Pow	er Compa	any	Permit Inform	nation			
Address	PO Box 2021		***************************************	Address				
***************************************				City				
City	Roanoke			State		Zip		
State	VA	Zip	24022	County	Perry County			
Phone#	540 562-7118			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			Information bel	ow to be filled ou	it by KYTC			
Contact	Fred Hogrefe			Air Right	Entran	ice		
Phone	540 562-7063	Cell		Utilities	Other:			
Email	fvhogrefe@aep.co	n						
					Left	Right		X-ing
				Access:	☐ Full	Partial		by Permit
General (Description of Wo	ork:						
Install guy	wire/guy wire ancl	nor on ea	sement within Kentu	ıcky DOT Right-o	f-Way.			
								,
						9		
<u> </u>								
THE UNDERS TC 99-1 (A).	SIGNED PERMITTEE(s) (being duly	authorized representativ	ve(s) or owner(s)) Do	,		NDITIO	NS ON THE
	FV Hog	of			18/20	13		······
Signature				Date /	(





ENCROACHMENT PERMIT

KEPTS No.:						
Permittee:	Kentucky Po	wer Company				
Latitude:	37°19'04" N					
Longitude:	83°10'10" W	1	_			
Completion Date:	October 31,	2014				
Coordinates provided	d on the TC 99	9-1(B) are the approved location fo	r this permit.			
		Indemnities				
Туре		Amount Required	Tracking Number			
Performance						
Payment Bo						
Liability Insurance						
This permit has been:						
APPROVED DENIED						
NAME		TITLE				
SIGNATURE		DATE				





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

APPLICATION FOR ENCROACHMENT PERMIT

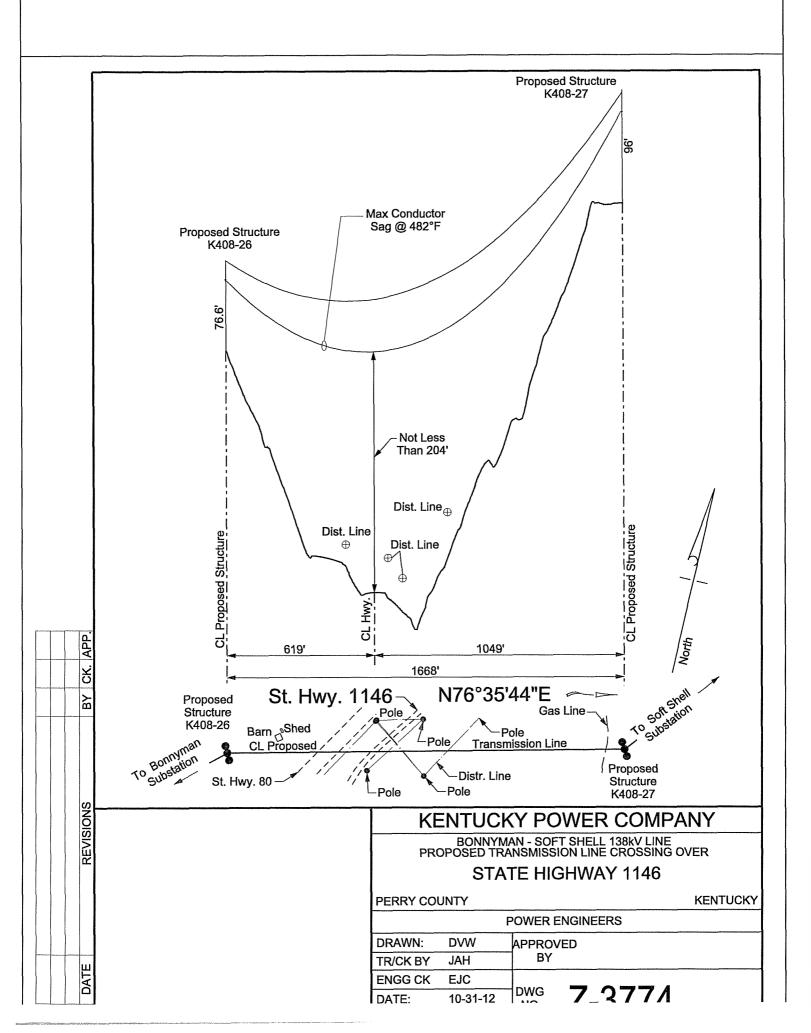
Permittee Ir	nformation			күтс	No.		
Name	Kentucky Power Co	mpany	Permit Inforr	nation			
Address	PO Box 2021		Address				
			City	alamatanga sa mahana sa sa		***************************************	
City	Roanoke		State		Zip		
State	VA Zip	24022	County	Perry County			
Phone#	540 562-7118		Route No.	KY-1146	Mile- Point	3.9	
Contact	John Edwards		Longitude (X)	83°10'04" W	20000000000000000000000000000000000000		
Phone 540) 562-7118 Cell		Latitude (Y)	37°19'06" N			
Email jde	dwards@aep.com		Information bel	ow to be filled ou	it by KYTC		
Contact	Fred Hogrefe		Air Right	Entran	ce		
Phone 540	562-7063 Cell		Utilities	Other:			
Email fvh	ogrefe@aep.com						
				Left	Right		☐ X-ing
			Access:	☐ Full	Parti:	al	by Permit
General Des	cription of Work:						
Install overhe road.	ad transmission line	from ridge to ridge over	highway. High	way 1146 has a	204' min	imum	clearance over
THE UNDERSIGN TC 99-1 (A).	ED PERMITTEE(s) (being d	luly authorized representativ	e(s) or owner(s)) Do	,		ONDITIO	ONS ON THE
4	V Hoyng			17/20,	17		
Signature			Date '	,			

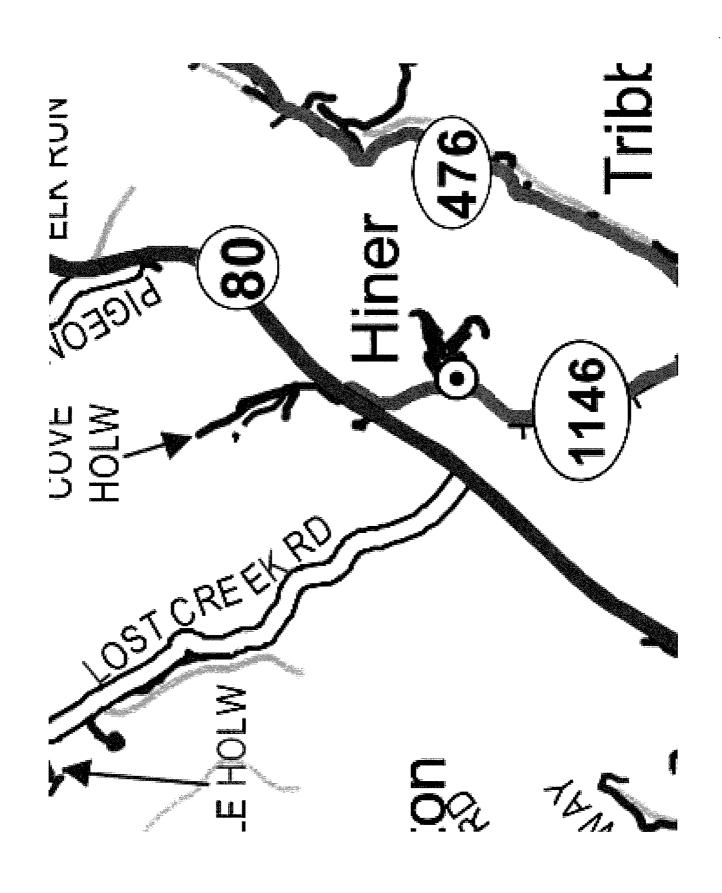


TC 99-1 (B) 1/2012 Page 1 of 1

ENCROACHMENT PERMIT

KEPTS No.:				-
Permittee:	Kentucky Po	wer Compa	iny	_
Latitude:	37°19'06" N			
Longitude:	83°10'04" W			
Completion Date:	October 31,	2014		
Coordinates provided	d on the TC 99)-1(B) are th	e approved location for	this permit.
			Indemnities	
Туре		Ar	nount Required	Tracking Number
Performance				
Payment Bo	ond			
Liability Insur	ance			
This permit has been) :			
APPROVED	DE	ENIED [
NAME			TITLE	
SIGNATURE	***************************************		DATE	







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

APPLICATION FOR ENCROACHMENT PERMIT

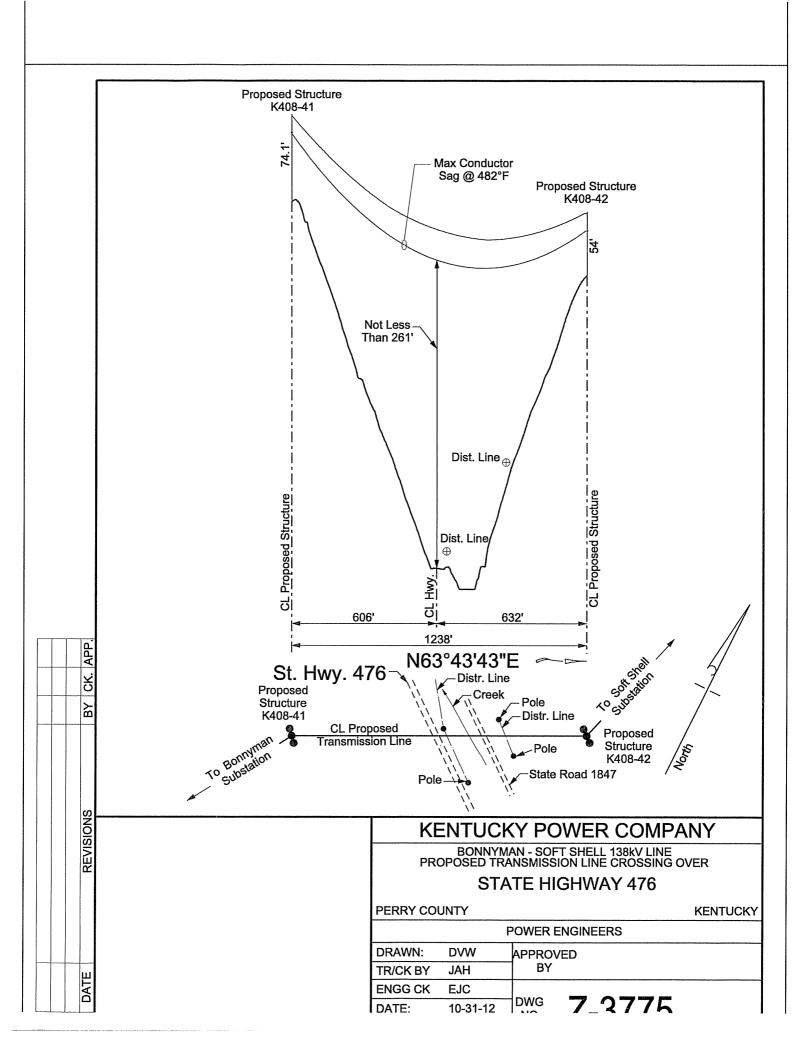
Pormitt	ee Information			7				
remittee mornation				C No.				
Name	Kentucky Pow	er Compa	ny .	Permit Inforr	nation			
Address	PO Box 2021			Address				
				City				
City	Roanoke			State		Zip		
State	VA	Zip	24022	County	Perry County		overfilden men egenjem	
Phone#	540 562-7118			Route No.	KY-476	Mile- 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			Information belo	ow to be filled ou	it by KYTC			
Contact	Fred Hogrefe		,	Air Right	Entran	ce		
Phone	540 562-7063	Cell		Utilities	Other:			
Email	fvhogrefe@aep.com	n				***************************************		
					Left	Right		X-ing
				Access:	☐ Full	Partial		☐ by Permit
General	Description of Wo	rk:						
nstall over	erhead transmission	line from	ridge to ridge over	highway. High	way 476 has a	261' minim	um (learance over
THE HAIDER	TOTALEM DEDANITEE/-\ //		ale este a deservicion de atra					
TC 99-1 (A)	RSIGNED PERMITTEE(s) (I	Jeing duly at	Milorized representative	els) or owner(s)) DU	,	RIVIS AND CON	DITIC	INS ON THE
	TV Ka	gnf		(/18/	2013			
Signature				Date				



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

ENCROACHMENT PERMIT

KEPTS No.:		<u> </u>		
Permittee:	Kentucky Po	wer Compa	ny	_
Latitude:	37°20'47" N			
Longitude:	83°07'42" W	/		
Completion Date:	October 31,	2014		
Coordinates provided	d on the TC 99	9-1(B) are th	e approved location fo	r this permit.
afa. 2 v			Indemnities	
Type		An	ount Required	Tracking Number
Performance				
Payment Bo				
Liability Insur	ance			
This permit has been) :			
APPROVED	DE	ENIED []	
NAME			TITLE	
SIGNATURE			DATE	







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

APPLICATION FOR ENCROACHMENT PERMIT

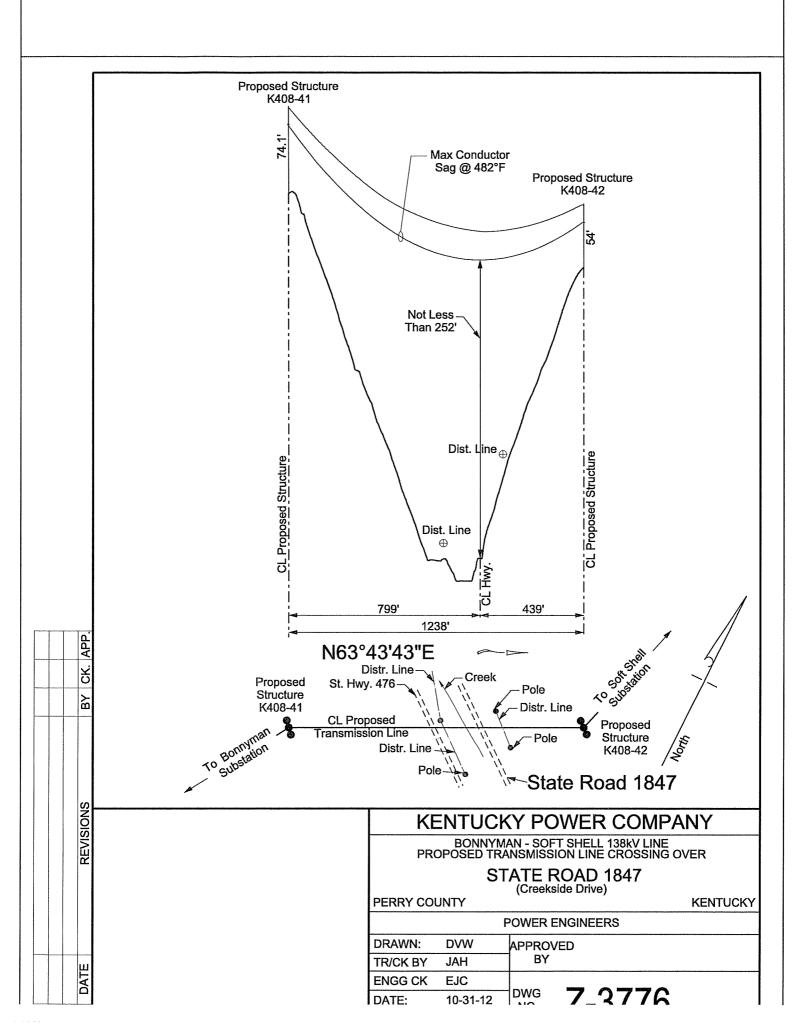
Permittee In	formation		күтс	No.	
Name	Kentucky Power Company	Permit Inforr	nation		
Address	PO Box 2021	Address	SR-1847-(Creel	kside Drive)
		City			
City	Roanoke	State		Zip	
State	VA Zip 24022	County	Perry County		
Phone#	540 562-7118	Route No.	476 -SR-1847	Mile- Point	8.5
Contact	John Edwards	Longitude (X)	83°07'40" W		
Phone 540	562-7118 Cell	Latitude (Y)	37°20'47" N		
Email jdeo	dwards@aep.com	Information be	low to be filled ou	t by KYTC	
Contact	Fred Hogrefe	Air Right	Entran	ce	
Phone 540	562-7063 Cell	Utilities	Other:		
Email fvh	ogrefe@aep.com				
			Left	Right	☐ X-ing
		Access:	Full	Partial	by Permit
General Description of Work:					
Install overhe road.	ad transmission line from ridge to ridge over	highway. Creek	sside Drive has a	252' mini	num clearance over
THE UNDERSIGN TC 99-1 (A). F V Signature	ED PERMITTEE(s) (being duly authorized representative	e(s) or owner(s)) D Date	0 AGREE TO ALL TE		NDITIONS ON THE

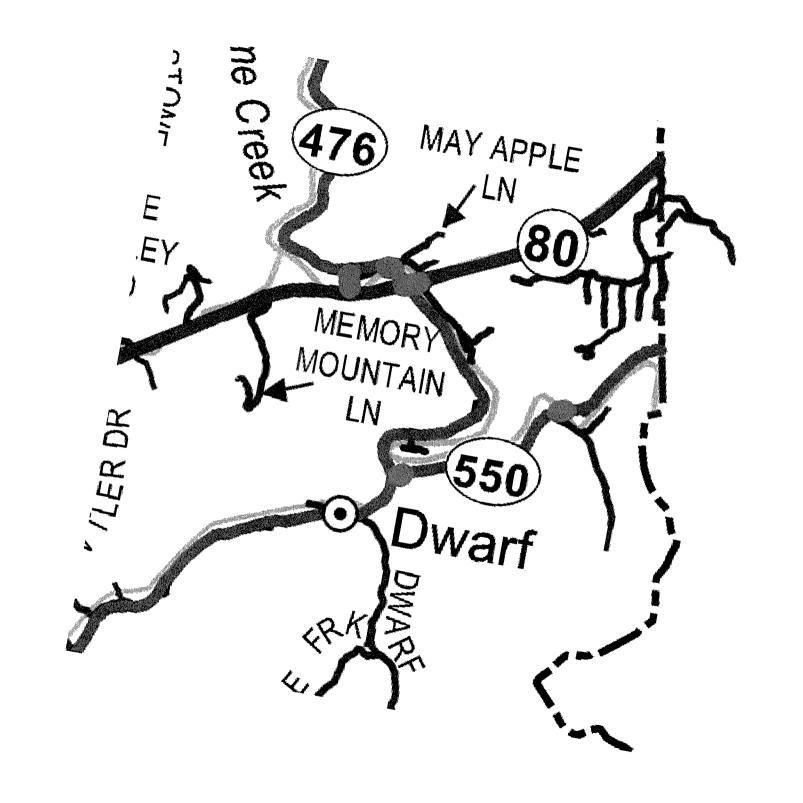




ENCROACHMENT PERMIT

KEPTS No.:		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		······	
Permittee:	Kentucky Po	icky Power Company			
Latitude:	37°20'47" N 83°07'40" W				
Longitude:					
Completion Date:	October 31, 2014				
Coordinates provided	d on the TC 99	-1(B) ar	e the approved location	on for this pe	rmit.
Туре			Indemnities Amount Required		Tracking Number
Performance	Bond	<u></u>	Amount Nedaniea		Tracking Number
Payment Bo					
Liability Insur					
This permit has been):				
APPROVED	DE	NIED			
NAME			TITLE	100000000000000000000000000000000000000	
SIGNATURE			DATE		







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

APPLICATION FOR ENCROACHMENT PERMIT

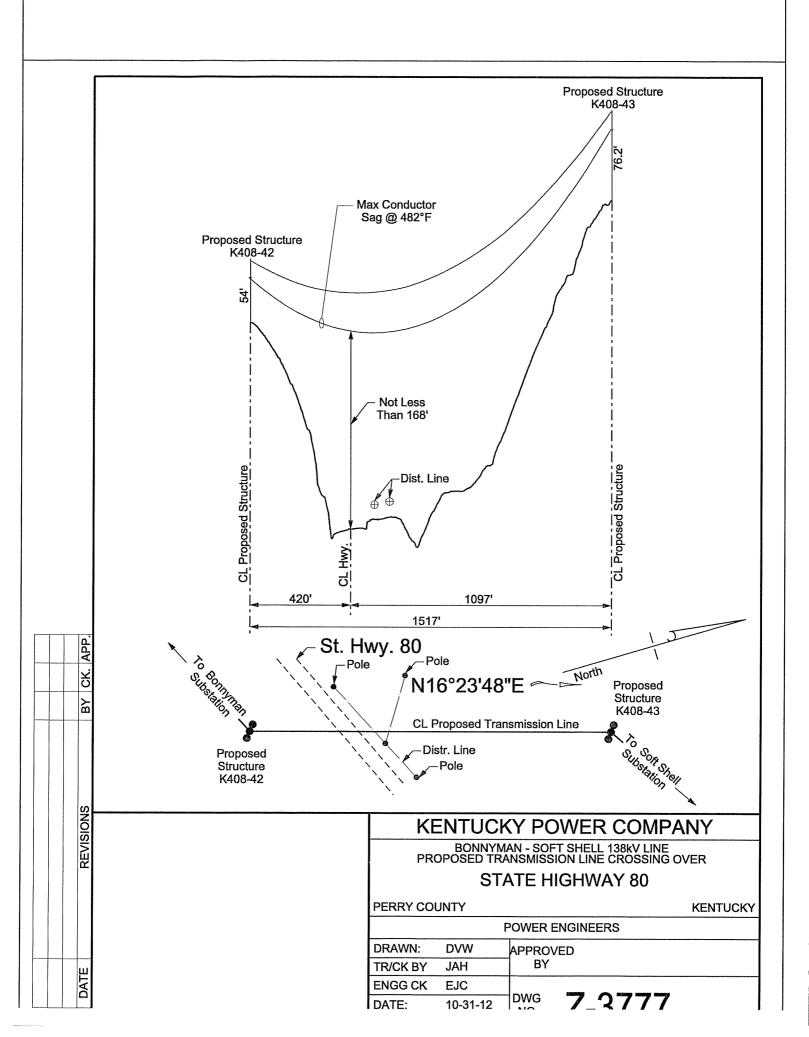
Permitt	ee Information		күтс	No.		
Name	Kentucky Power Company	Permit Inform	nation			
Address	PO Box 2021	Address				
		City	na n			
City	Roanoke	State		Zip		
State	VA Zip 24022	County	Perry County			
Phone#	540 562-7118	Route No.	KY-80	Mile- Point	15.1	
Contact	John Edwards	Longitude (X)	83°07'33" W			
Phone	540 562-7118 Cell	Latitude (Y)	37°20'53" N			
Email	jdedwards@aep.com	Information be	low to be filled ou	t by KYT	C	
Contact	Fred Hogrefe	Air Right	Entran	ce		
Phone	540 562-7063 Cell	Utilities	Other:			
Email	fvhogrefe@aep.com					
			Left	Rigi	nt	X-ing
		Access:	Full	Par	ial	D by Permit
General	Description of Work:					
Install ov road.	verhead transmission line from ridge to ridge or	ver highway. Hig	ghway 80 has a	168' mi	nimum	clearance over
THE UNDE TC 99-1 (A	FV Hoyf	ive(s) or owner(s)) D Date	O AGREE TO ALL TEI	RMS AND	CONDITIO	ONS ON THE

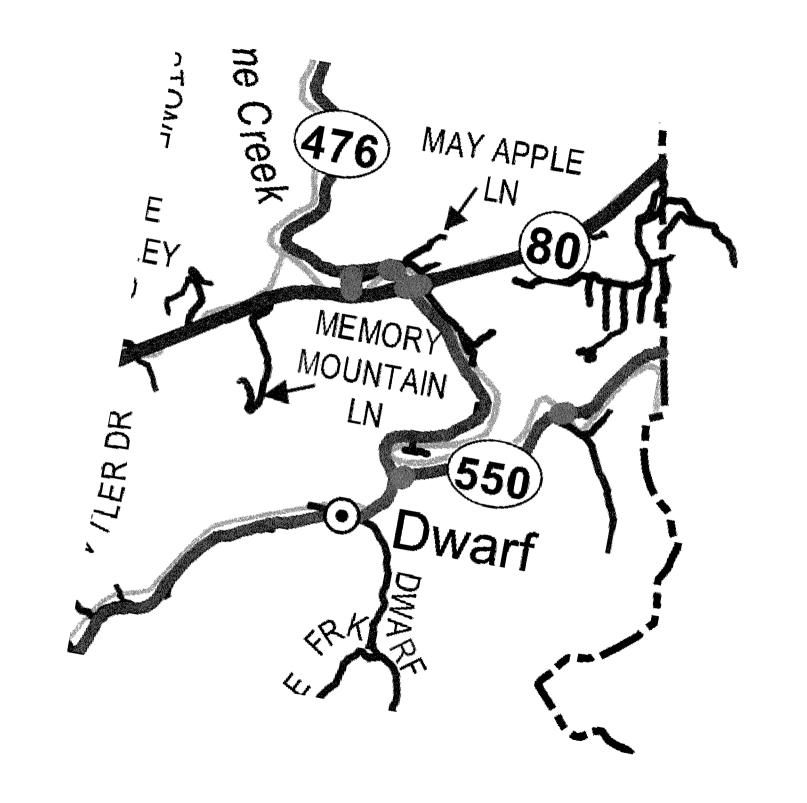




ENCROACHMENT PERMIT

KEPTS No.:			_		
Permittee: Kentucky P		wer Company	_		
Latitude: 37°20'53" N					
Longitude:	83°07'33" W	1	_		
Completion Date:	October 31,	2014			
Coordinates provided	on the TC 99	-1(B) are the approved location for	this permit.		
The second se		Indemnities			
Туре		Amount Required	Tracking Number		
Performance					
Payment Bo					
Liability Insurance					
This permit has been: APPROVED DENIED					
NAME		TITLE			
SIGNATURE		DATE			





TC 99-1 (A) 8/2012 Page 2 of 4

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.





amended.

APPLICATION FOR ENCROACHMENT PERMIT

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)
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. §



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

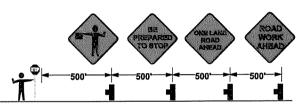
APPLICATION FOR ENCROACHMENT PERMIT

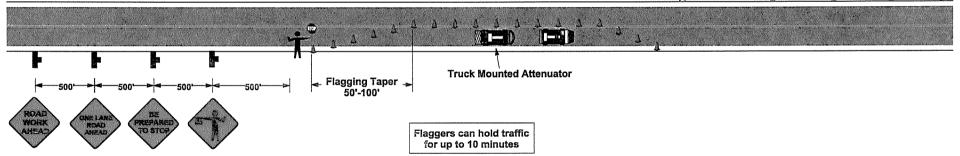
- **16.** Permittee, its successors and assigns, agree that if the Department determines it is necessary for the facilities or other encroachment authorized by the permit to be removed, relocated or reconstructed in connection with the reconstruction, relocation or improvement of a highway, the Department 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

A Cones

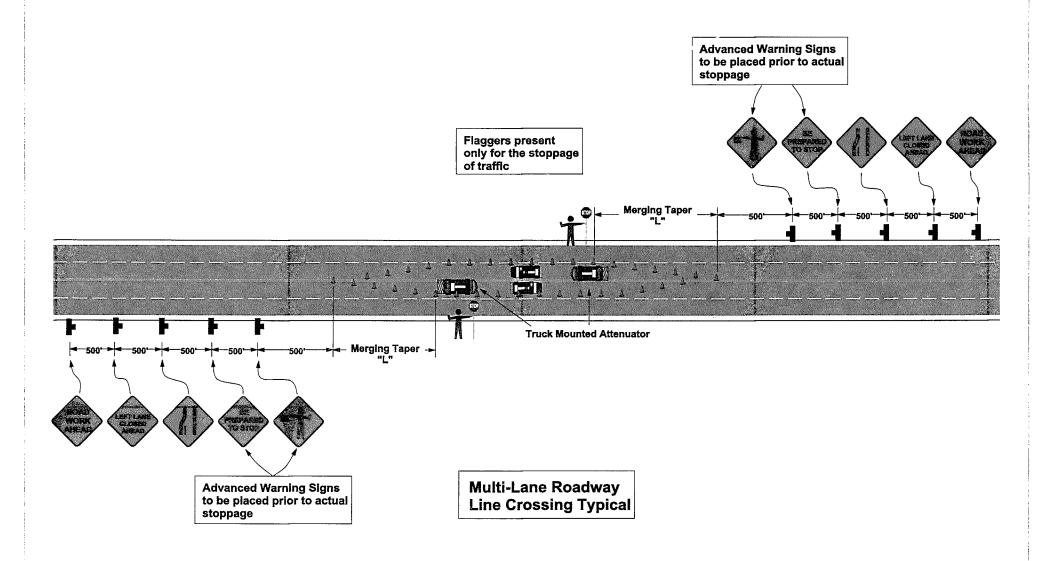
One-Lane, Two-Way Operation with Flagger Control (Line Crossing)





Legend

Lones





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

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,

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

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,

Cassie Campbell
Surface Water Permits Branch
Division of Water

Cassic Campbell





	The second secon	The transfer of the transfer o	CONTRACTOR OF STREET
Project Name: POWER-000221	.073-12	Sponsor: Power Engineers for AEP	
PRINCES ANALYSIANAN AND AND AND AND AND AND AND AND AND	NAME (1987) AND		PRINCIPLE AND PR

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

highest AGL. (See attached exhibit) Bonnyman to Soft Shell 138kV K408.

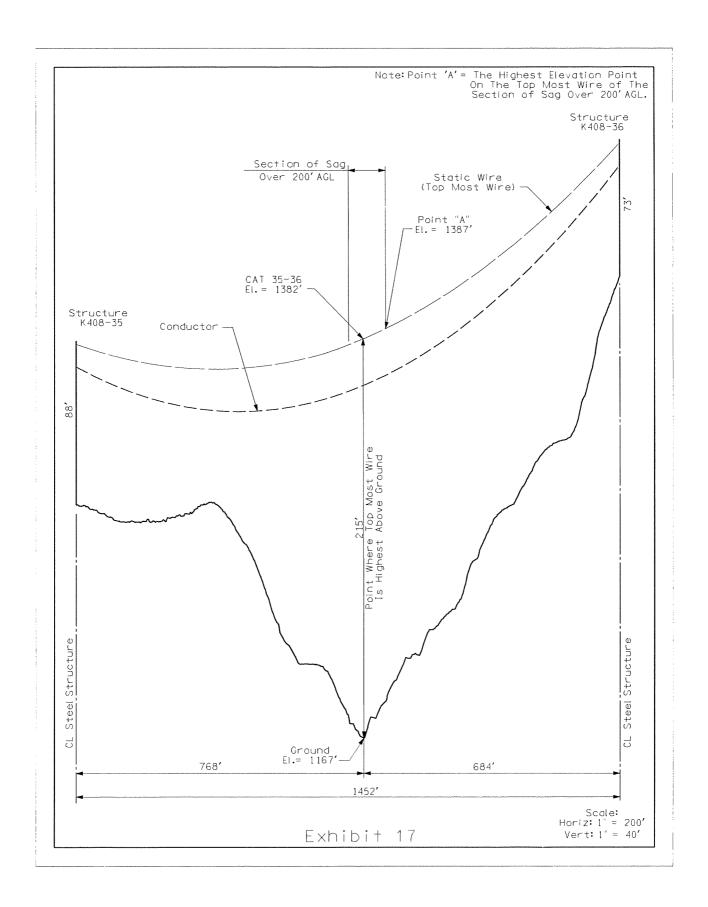
Show Project Summary Case Status ASN: 2012-ASO-10503-OE Status: Determined 7460-2 (PART II) required within 5 days after the construction reaches its greatest height. Add Supplemental Notice (7460-2) **Public Comments: Construction / Alteration Information** Notice Of: Construction Duration: Permanent 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° 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 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

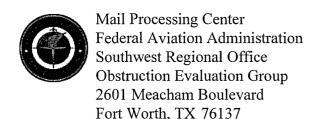
Date Accepted: 11/02/2012 Date Determined: 01/22/2013 Letters: 01/22/2013 🃆 DNE Documents: 11/01/2012 📆 FAA_35 to 36_Exb ... Project Documents: None **Structure Summary** Structure Type: Transmission Line Structure Name: Cat 35-36 (Point on Static Wire) **NOTAM Number:** FCC Number: Prior ASN:

Common Frequency Bands

Low Freq High Freq Freq Unit ERP ERP Unit

Specific Frequencies





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)	
_X	Within 5 days after the construction reaches its greatest height (7460-2, Part I	()

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.

- (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)

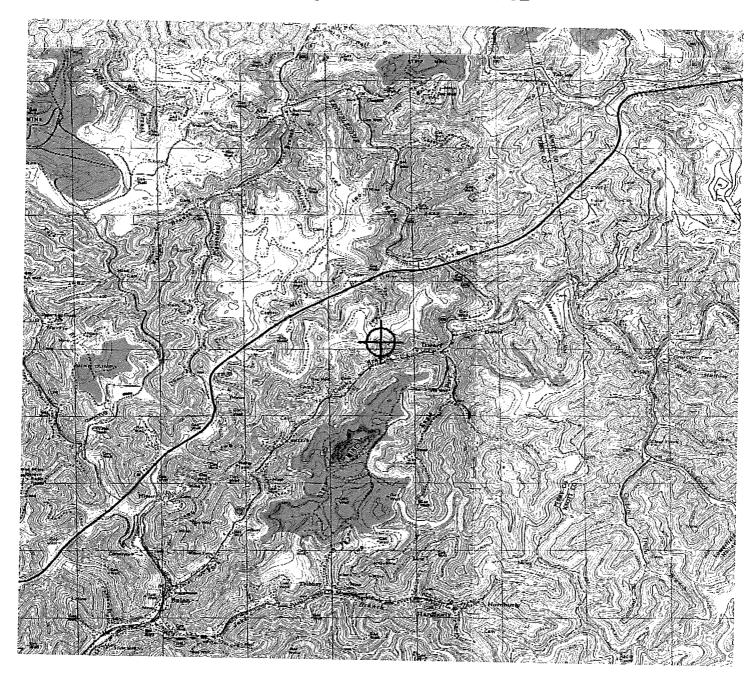
Fred Souchet Specialist

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.

TOPO Map for ASN 2012-ASO-10503-OE





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-ASQ-10504-QE

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:

Letters:

11/02/2012

Date Determined: 01/22/2013

Documents:

Structure Summary

Structure Type:

Structure Name:

NOTAM Number: FCC Number:

Prior ASN:

01/22/2013 🃆 DNE

Cat 41-42 (Point on Static Wire)

11/01/2012 📆 FAA_41 to 42_Exb ...

Project Documents:

Transmission Line

None

Construction / Alteration Information

Notice Of:

Construction

Duration:

Permanent

Work Schedule - Start:

if Temporary: Months: Days:

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.

Structure Details

Latitude:

37° 20' 46.95" N

Longitude:

83° 7' 40.52" W

881 (nearest foot)

Horizontal Datum:

NAD83

Site Elevation (SE): Structure Height (AGL): Current Height (AGL):

318 (nearest foot) (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):

* For Wind Turbines 500ft AGL or greater

(nearest foot)

Requested Marking/Lighting:

Spherical Markers

Other:

Other:

Recommended Marking/Lighting:

Dual medium catenary

Current Marking/Lighting:

N/A New Structure

Hazard

Nearest City: Nearest State:

Kentucky

Description of Location:

Mountainous terrain in eastern

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)

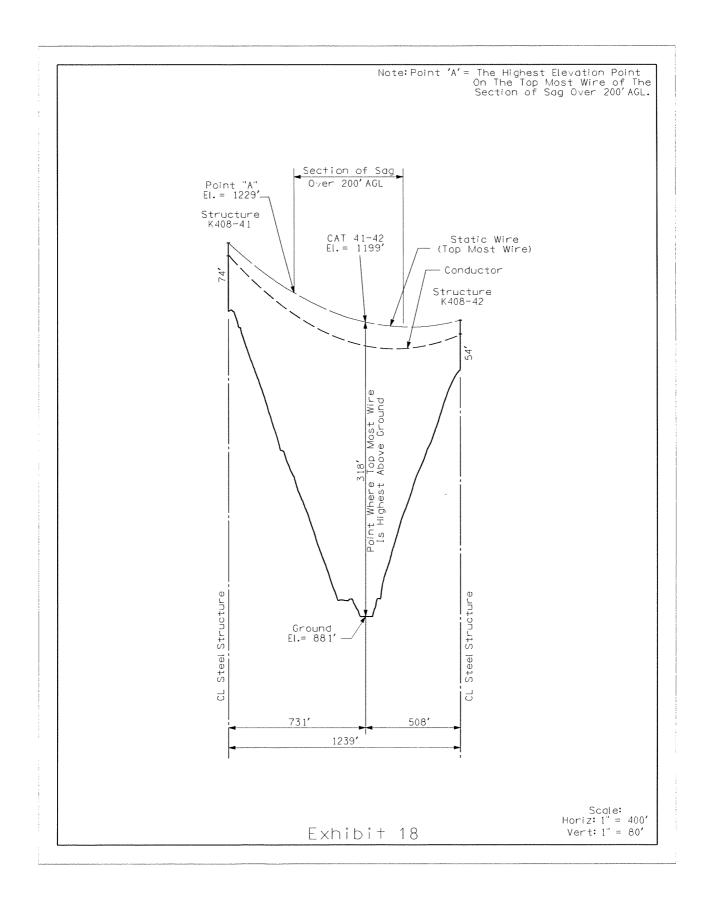
Bonnyman to Soft Shell 138kV K408.

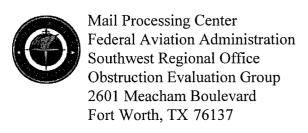
Common Frequency Bands

Low Frea High Freq Freq Unit ERP

ERP Unit

Specific Frequencies





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)	
X	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.

- (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

(DNE)

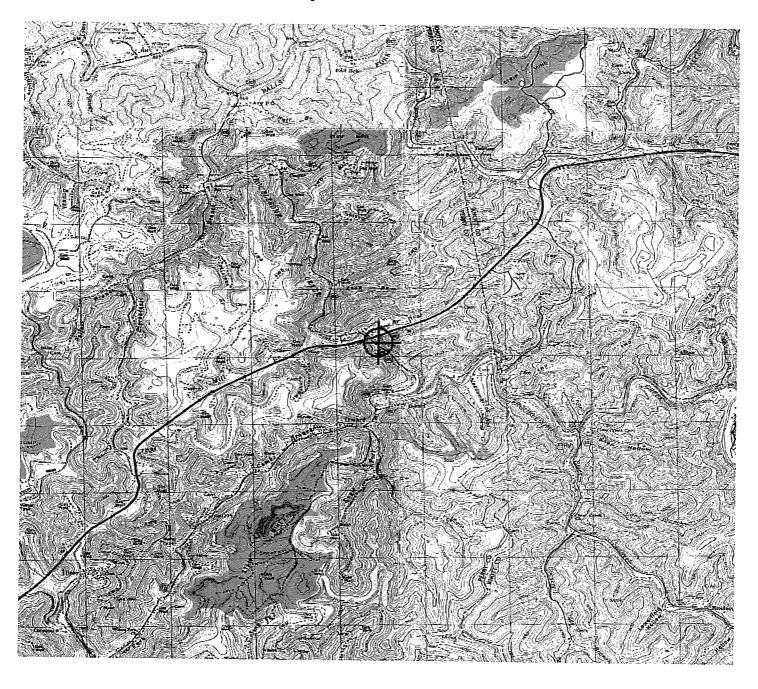
Fred Souchet Specialist

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.

TOPO Map for ASN 2012-ASO-10504-OE





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

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:

Structure Summary

Structure Type:

Structure Name:

NOTAM Number:

FCC Number:

Prior ASN:

11/01/2012 📆 FAA_42 to 43_Exb ...

Project Documents:

Transmission Line

Cat 42-43 (Point on Static Wire)

None

Construction / Alteration Information

Notice Of: Duration:

Construction

if Temporary: Months: Days:

Permanent

Work Schedule - Start:

04/15/2013

Work Schedule - End:

10/16/2014

If it is not filed, please state the reason in the Description of Proposal.

*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.

State Filing:

Structure Details

Latitude:

37° 20' 55.74" N

Longitude:

83° 7' 31.98" W

Horizontal Datum: Site Elevation (SE): NADRR 956 (nearest foot)

Structure Height (AGL): Current Height (AGL):

248 (nearest foot) (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):

* For Wind Turbines 500ft AGL or greater

(nearest foot)

Requested Marking/Lighting:

Spherical Markers

Other:

Recommended Marking/Lighting:

Dual medium catenary

Current Marking/Lighting:

N/A New Structure

Other:

Nearest City: Nearest State: Hazard

Description of Location:

Kentucky Mountainous terrain in eastern

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.

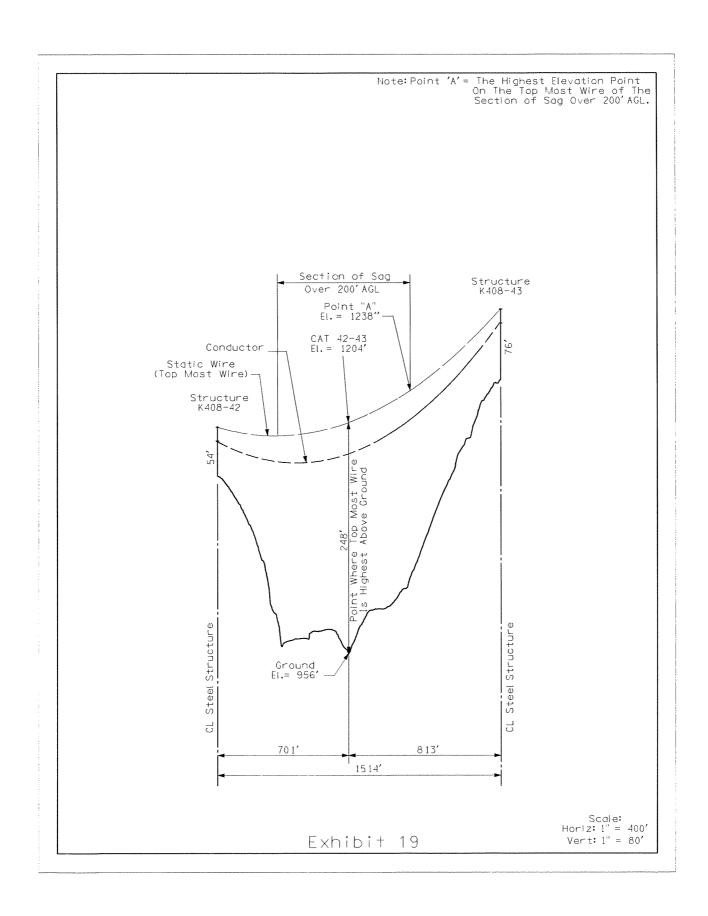
Common Frequency Bands

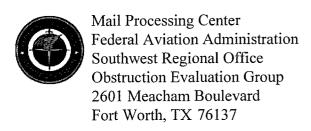
Low Fred High Freq

Freq Unit ERP

ERP Unit

Specific Frequencies





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)

X 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.

- (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)

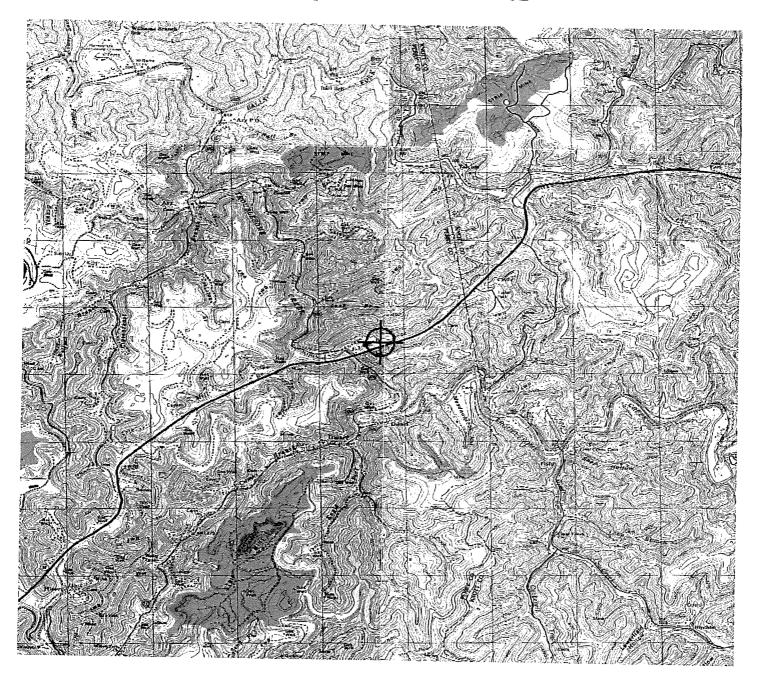
Fred Souchet Specialist

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.

TOPO Map for ASN 2012-ASO-10505-OE





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

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

01/22/2013 🃆 DNE

Cat 52-53 (Point on Static Wire)

Documents:

Structure Summary Structure Type:

Structure Name:

NOTAM Number:

FCC Number:

Prior ASN:

Letters:

11/01/2012 📆 FAA_52 to 53_Exb ...

Project Documents:

Transmission Line

None

Construction / Alteration Information

Notice Of: **Duration:**

Construction

if Temporary: Months: Days:

Permanent

Work Schedule - Start:

04/15/2013

Work Schedule - End:

If it is not filed, please state the reason in the Description of Proposal.

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.

State Filing:

Structure Details

Latitude:

37° 21' 57.92" N 83° 6' 17.47" W

Horizontal Datum:

NAD83

Site Elevation (SE): Structure Height (AGL): 955 (nearest foot) 349 (nearest foot)

(nearest foot)

Current Height (AGL):

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

Requested Marking/Lighting:

Spherical Markers

Other:

Recommended Marking/Lighting:

Dual medium catenary

Current Marking/Lighting:

N/A New Structure

Other:

Hindman

Nearest City: Nearest State:

Kentucky

Description of Location: On the Project Summary page upload any certified survey.

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

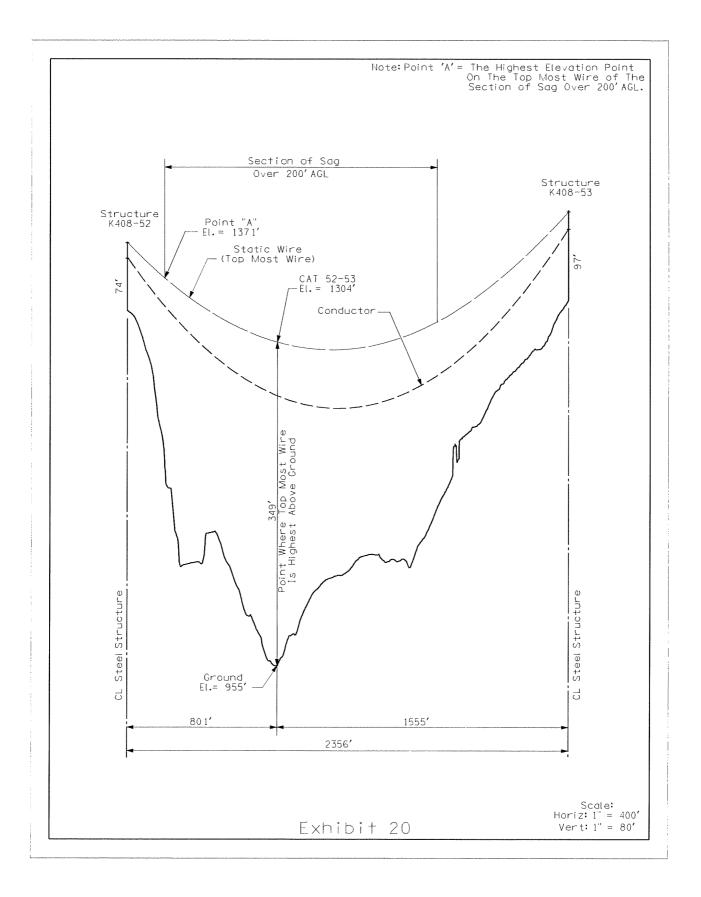
Low Frea

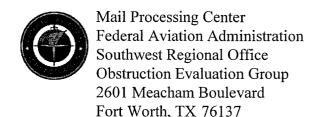
High Freq

Freq Unit ERP

ERP Unit

Specific Frequencies





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)
X	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.

- (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)

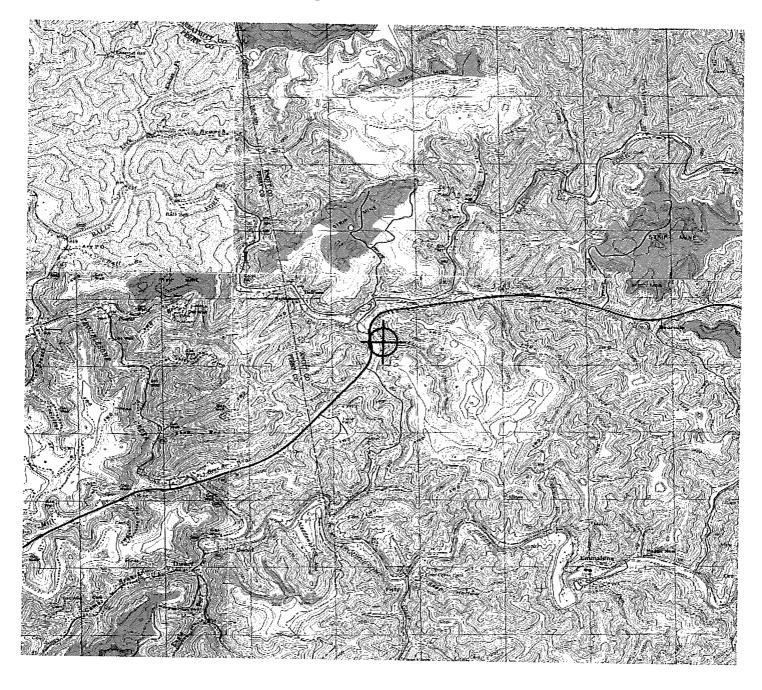
Fred Souchet Specialist

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.

TOPO Map for ASN 2012-ASO-10506-OE





THE REPORT OF THE PROPERTY OF	A CONTRACTOR OF THE PROPERTY O
Project Name: POWER-000221073-12	Sponsor: Power Engineers for AEP

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

Bonnyman to Soft Shell 138kV K408.

		Show Project Summary	
Case Status			
	2012-ASO-10507-OE		Date Accepte
Status:	Determined		Date Determi
			Letters:
	7460-2 (PART II) required within 5 day the construction reaches its greatest ${\sf F}$		Documents:
	Add Supplemental Notice (7460-2)		
Public Comments:	None		
Construction / Altera	tion Information		Structure S
Notice Of:	Construction		Structure Typ
Duration:	Permanent		Structure Nar
if Temporary	: Months: Days:		NOTAM Numb
Work Schedule - Start:	04/15/2013		FCC Number:
Work Schedule - End:	10/16/2014		Prior ASN:
To find out, use the Notic	Does the permanent structure require Criteria Tool. If separate notice it at the reason in the Description o	s required, please ensure it is filed.	
Structure Details			Common Fr
Latitude:		37° 22' 4.12" N	Low Freq
Longitude:		83° 5' 17.66" W	
Horizontal Datum:		NAD83	Specific Fre
Site Elevation (SE):		964 (nearest foot)	
Structure Height (AGL):		316 (nearest foot)	
Current Height (AGL):		(nearest foot)	
* For notice of alteration AGL height of the existin Include details in the De			
Nacelle Height (AGL): * For Wind Turbines 500	Oft AGL or greater	(nearest foot)	
Requested Marking/Ligh	ating:	Spherical Markers	
	Other :		
Recommended Marking/	Lighting:	Dual medium catenary	
Current Marking/Lighting	g:	N/A New Structure	
	Other :		
Nearest City:		Hindman	
Nearest State:		Kentucky	
Description of Location: On the Project Summary	page upload any certified survey.	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)	

pted: 11/02/2012 rmined: 01/22/2013

01/22/2013 📆 DNE

11/01/2012 🔁 FAA_57to 58_Exb 2...

Project Documents:

None

e Summary

Type: Transmission Line

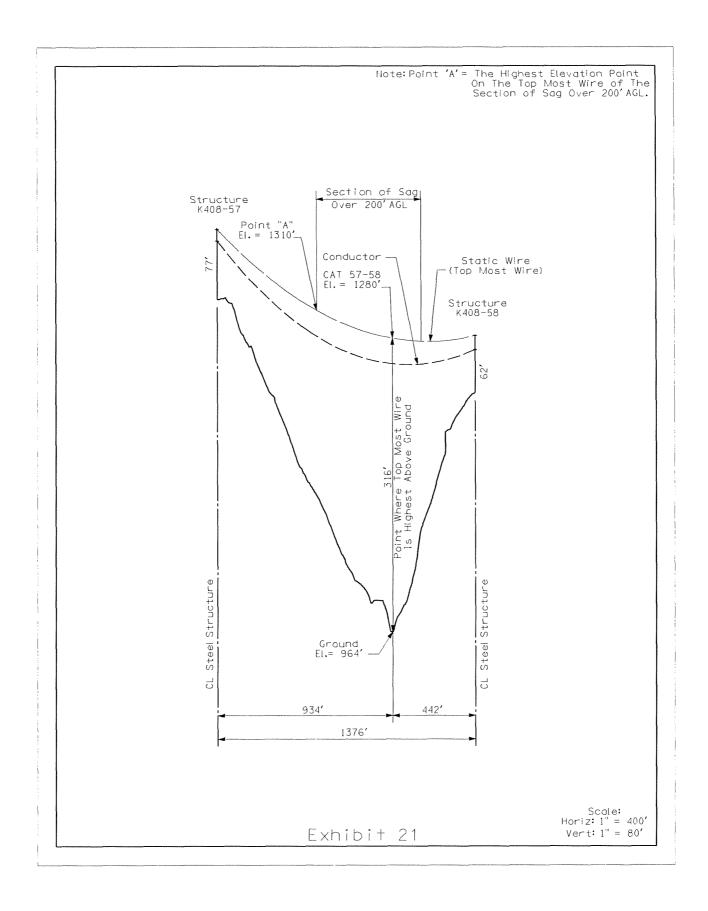
Cat 57-58 (Point on Static Wire) Name:

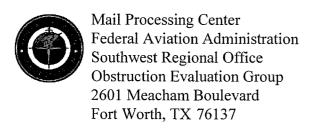
umber: er:

Frequency Bands

High Freq Freq Unit ERP ERP Unit

Frequencies





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)	
X	_ Within 5 days after the construction reaches its greatest height (7460-2, Par	t 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.

- (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)

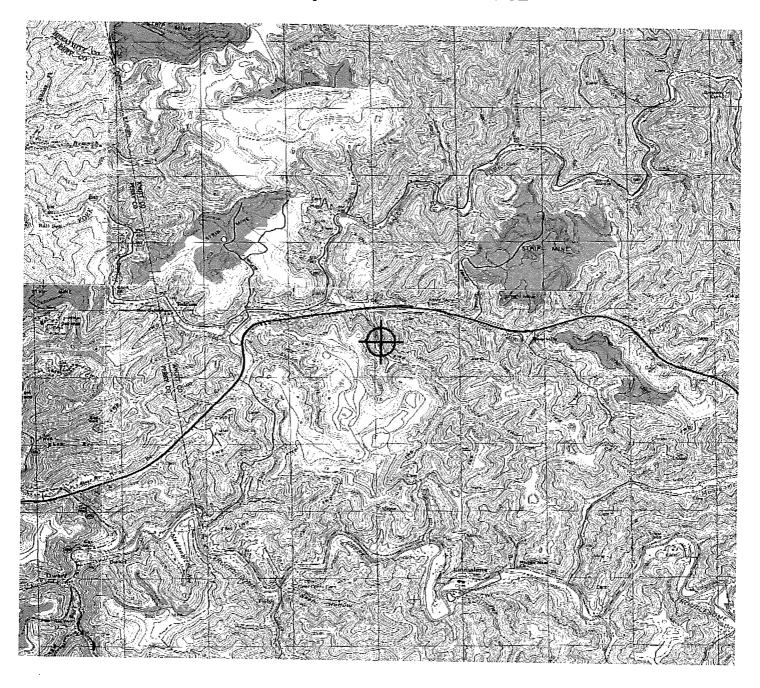
Fred Souchet Specialist

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.

TOPO Map for ASN 2012-ASO-10507-OE





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

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: Documents: 01/22/2013 📆 DNE

11/01/2012 📆 FAA_61 to 62_Exb ...

Project Documents:

Construction / Alteration Information

Notice Of: **Duration:**

Construction 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: Longitude: 37° 22' 6.40" N 83° 4' 31.60" W

Horizontal Datum:

NAD83

Site Elevation (SE): Structure Height (AGL): Current Height (AGL):

1209 (nearest foot) 212 (nearest foot) (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):

* For Wind Turbines 500ft AGL or greater

(nearest foot)

Requested Marking/Lighting:

Spherical Markers

Other:

Recommended Marking/Lighting: Current Marking/Lighting:

Dual medium catenary N/A New Structure

Other:

Hindman

Nearest City: 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 61-62 (Point on Static Wire)

NOTAM Number: FCC Number: Prior ASN:

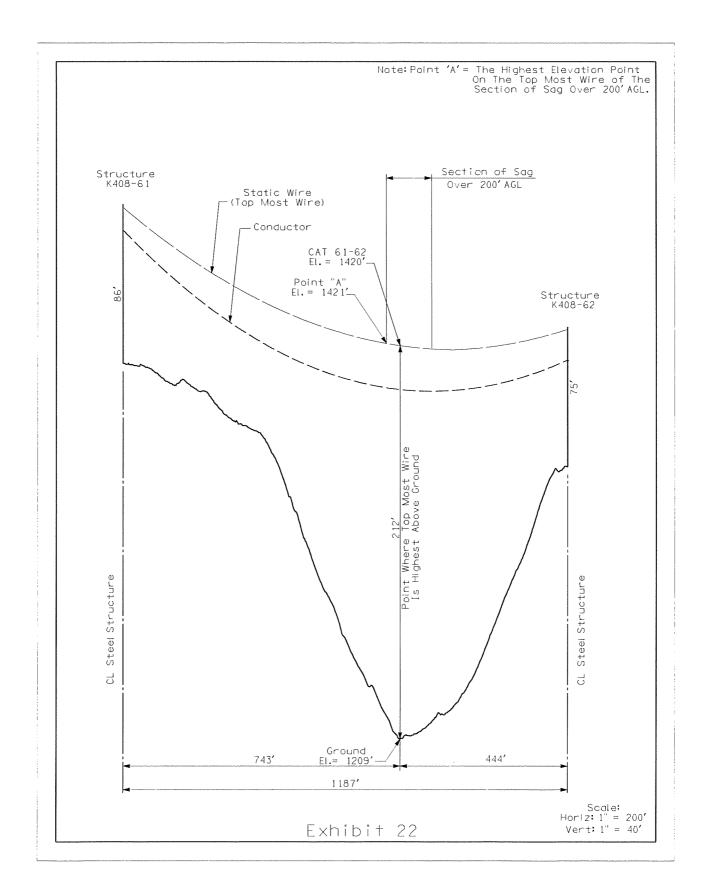
Common Frequency Bands

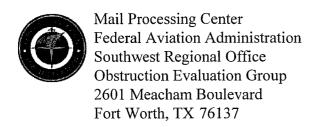
Low Freq

High Freg

Freq Unit ERP **ERP Unit**

Specific Frequencies





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)	
X	Within 5 days after the construction reaches its greatest height (7460-2, 1	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.

- (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.

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

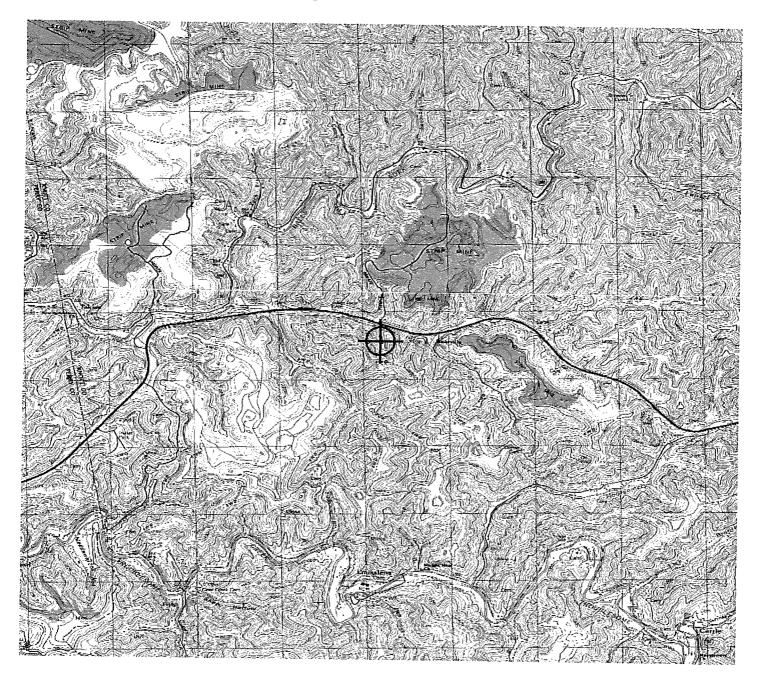
(DNE)

Fred Souchet Specialist

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





	THE REPORT OF THE PROPERTY OF
Project Name: POWER-000221073-12	Sponsor: Power Engineers for AEP
	CONTROL OF THE CONTRO

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

Show Project Summary

Case Status

ASN:

2012-ASQ-10509-QE

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

01/22/2013 🃆 DNE

Freq Unit ERP

ERP Unit

Documents:

Letters:

11/01/2012 📆 FAA_62 to 63_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

Structure Summary

Structure Type: Transmission Line

Common Frequency Bands

High Freq

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

NOTAM Number:

FCC Number: Prior ASN:

Low Freq

Specific Frequencies

*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: Longitude: 37° 22' 11.46" N 83° 4' 16.19" W

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

Requested Marking/Lighting:

Spherical Markers

Other:

Other:

Recommended Marking/Lighting:

Dual medium catenary

Current Marking/Lighting:

N/A New Structure

Nearest City:

Hindman

Nearest State:

Kentucky

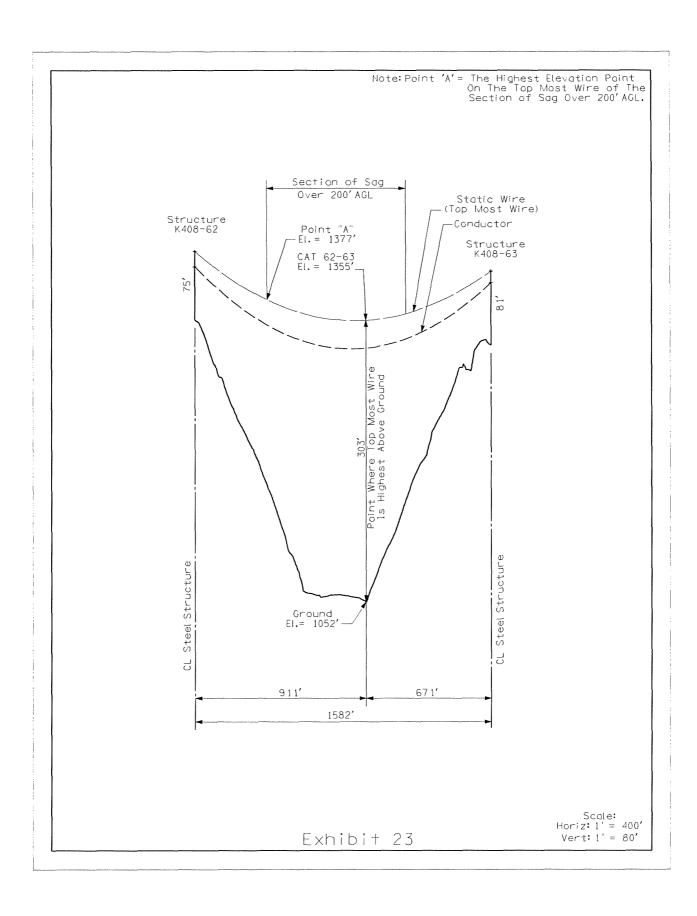
Description of Location:

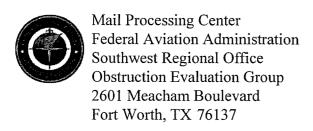
Mountainous terrain in eastern On the Project Summary page upload any certified survey. Kentucky

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.





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)	
X	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.

- (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.

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

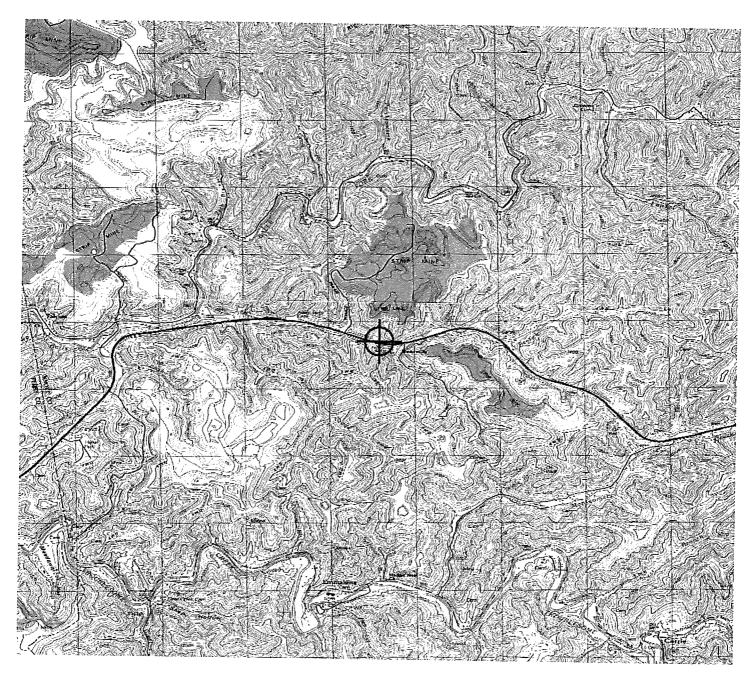
(DNE)

Fred Souchet Specialist

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.

TOPO Map for ASN 2012-ASO-10509-OE





ł	
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

11/02/2012 Date Accepted: Date Determined: 01/22/2013

Letters:

Structure Summary

Structure Type:

Structure Name:

NOTAM Number:

FCC Number:

Prior ASN:

01/22/2013 📆 DNE

Cat 64-65 (Point on Static Wire)

Documents:

11/01/2012 📆 FAA_64 to 65_Exb ...

Project Documents:

Transmission Line

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' 21.72" N

Longitude:

83° 3' 52.70" W

Horizontal Datum:

NADRR

Site Elevation (SE): Structure Height (AGL): 1091 (nearest foot) 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)

Requested Marking/Lighting:

* For Wind Turbines 500ft AGL or greater

Spherical Markers

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.

Other:

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)

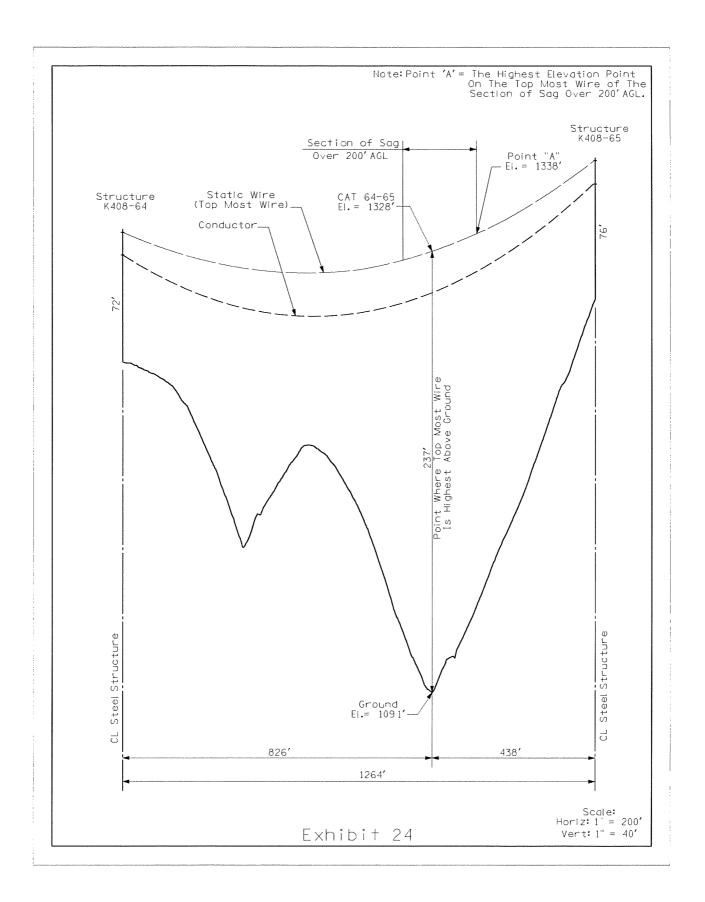
Bonnyman to Soft Shell 138kV K408.

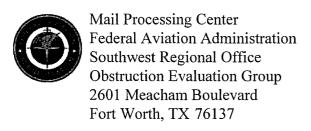
Common Frequency Bands

Low Frea High Freq

ERP Unit Freq Unit ERP

Specific Frequencies





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)	
X	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.

- (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.

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

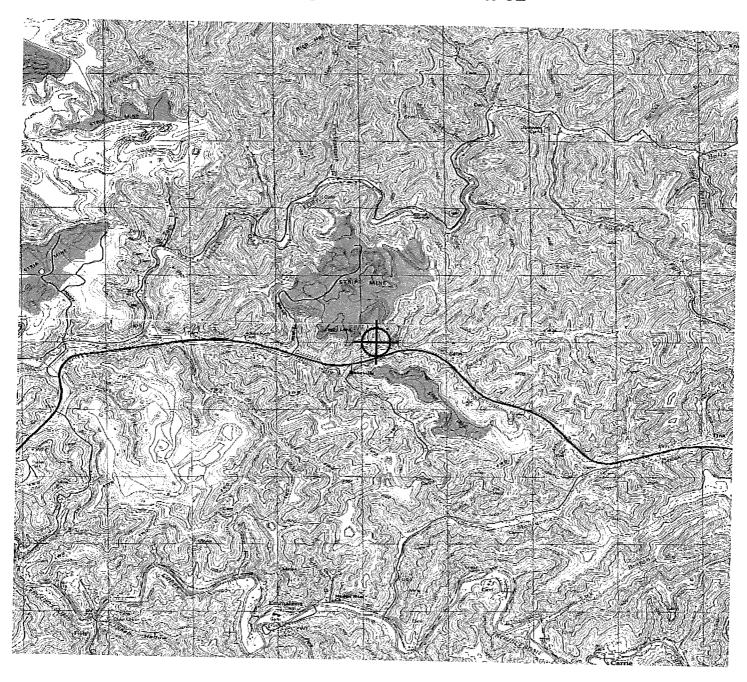
(DNE)

Fred Souchet Specialist

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.

TOPO Map for ASN 2012-ASO-10510-OE





	A CONTRACTOR CONTRACTO
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:

Structure Summary

Structure Type:

Structure Name:

NOTAM Number: FCC Number:

Prior ASN:

Documents:

11/02/2012

Date Determined: 01/22/2013

Letters:

01/22/2013 🃆 DNE

11/01/2012 📆 FAA_68 to 69_Exb ...

Project Documents:

Transmission Line

Cat 68-69 (Point on Static Wire)

Freq Unit ERP

ERP Unit

None

Construction / Alteration Information

Notice Of:

Construction

Duration:

Permanent

if Temporary: Months: Days:

Work Schedule - Start: Work Schedule - End:

04/15/2013

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):

* 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):

* For Wind Turbines 500ft AGL or greater

(nearest foot)

(nearest foot)

Requested Marking/Lighting:

Spherical Markers

Other:

Recommended Marking/Lighting:

Dual medium catenary

Current Marking/Lighting:

N/A New Structure

Other:

Nearest City: Nearest State: Hindman Kentucky

Description of Location:

Mountainous terrain in eastern

On the Project Summary page upload any certified survey.

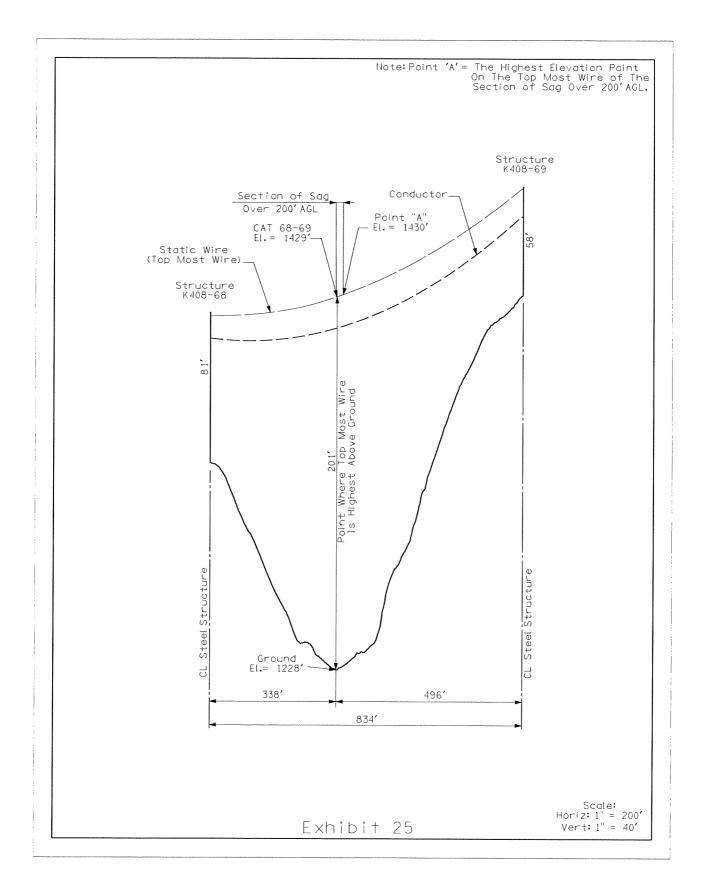
Description of Proposal:

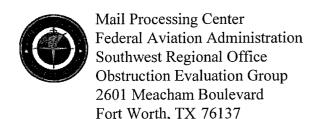
Kentucky

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 Fred High Freq

Specific Frequencies





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 pric	or to start of construction	(7460-2, Part I)	
X	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.

- (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.
- 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.

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

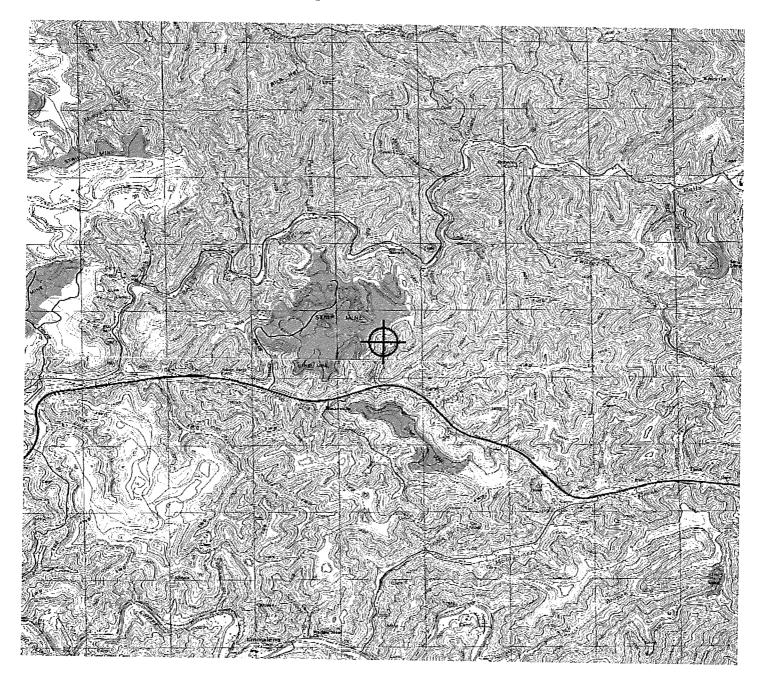
(DNE)

Fred Souchet Specialist

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.

TOPO Map for ASN 2012-ASO-10511-OE





£.,		
-	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:

Letters:

Documents:

11/02/2012

Date Determined: 01/22/2013

Structure Summary

Structure Type:

Structure Name:

01/22/2013 📆 DNE

Cat 69-70 (Point on Static Wire)

11/01/2012 📆 FAA_69 to 70_Exb ...

Project Documents:

Transmission Line

None

Construction / Alteration Information

Notice Of: **Duration:**

Construction Permanent

if Temporary: Months: Days:

Work Schedule - Start: Work Schedule - End:

04/15/2013

10/16/2014

If it is not filed, please state the reason in the Description of Proposal.

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.

State Filing:

Structure Details

Latitude:

37° 22' 45.82" N Longitude: 83° 3' 29.16" W

Horizontal Datum:

NAD83

Site Elevation (SE): Structure Height (AGL):

1226 (nearest foot) 255 (nearest foot) (nearest foot)

Current Height (AGL):

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):

* For Wind Turbines 500ft AGL or greater

(nearest foot)

Requested Marking/Lighting:

Spherical Markers

Other:

Recommended Marking/Lighting:

Dual medium catenary N/A New Structure

Current Marking/Lighting:

Other:

Nearest City:

Hindman

Nearest State:

Kentucky

Description of Location: On the Project Summary page upload any certified survey.

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

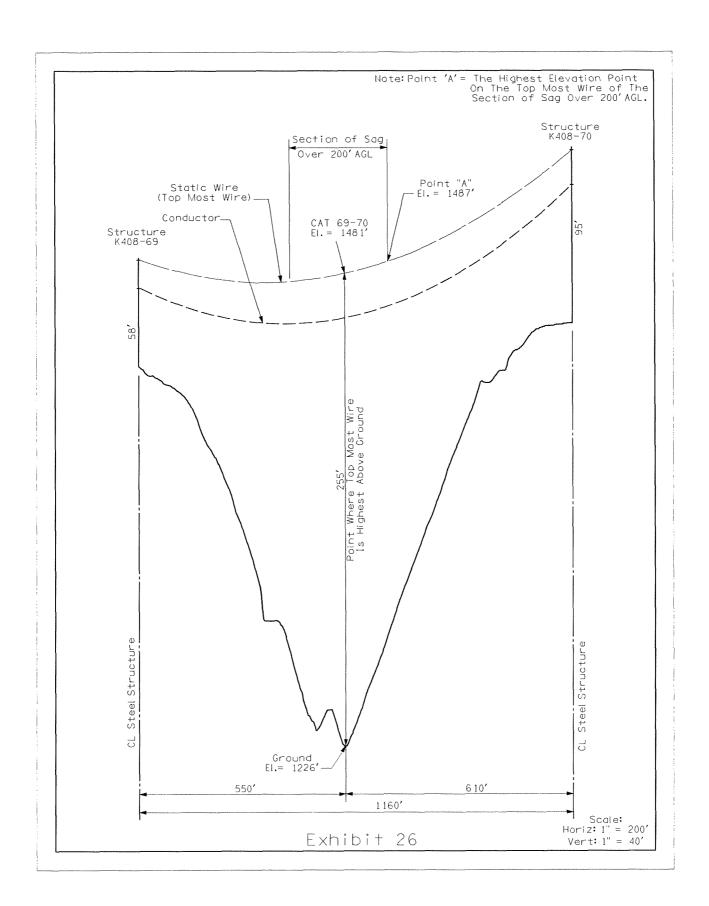
Low Freq

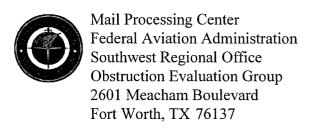
High Freq

Freq Unit ERP

ERP Unit

Specific Frequencies





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)
X	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.

- (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.

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

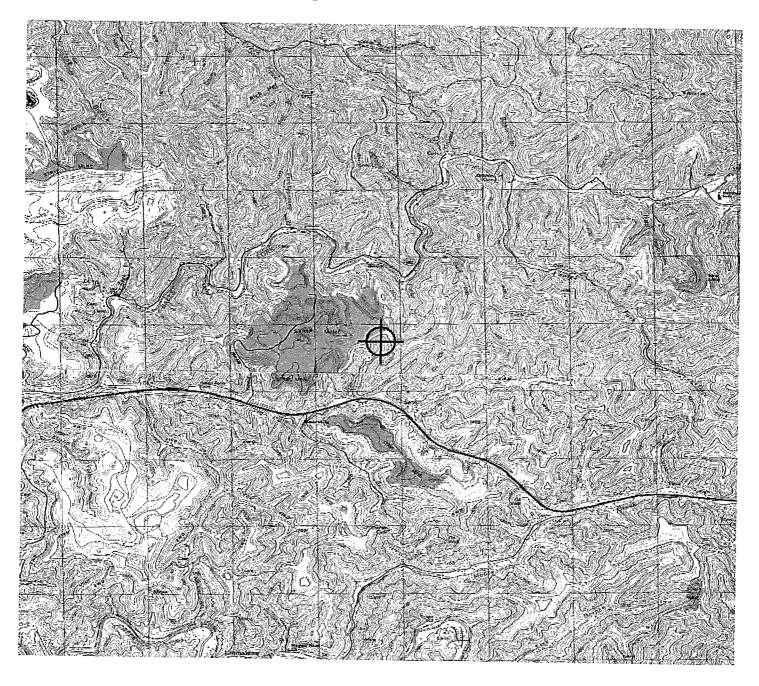
(DNE)

Fred Souchet Specialist

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.

TOPO Map for ASN 2012-ASO-10512-OE





1		
Project Name:	POWER-000221073-12	Sponsor: Power Engineers for AEP
No representative income descriptions		

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:

Letters:

Documents:

Structure Summary

Structure Type:

Structure Name:

NOTAM Number:

FCC Number:

Prior ASN:

11/02/2012

Date Determined: 01/22/2013

01/22/2013 📆 DNE

11/01/2012 📆 FAA_81 to 82_Exb ...

Project Documents:

Transmission Line

Cat 81-82 (Point on Static Wire)

None

Construction / Alteration Information

Notice Of: **Duration:**

Construction

Work Schedule - Start:

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.

Structure Details

Latitude: Longitude: 37° 22' 41.03" N 83° 1' 22.31" W

Horizontal Datum:

NAD83

Other:

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):

* For Wind Turbines 500ft AGL or greater

Requested Marking/Lighting:

Recommended Marking/Lighting:

Current Marking/Lighting:

Nearest City: Nearest State:

Description of Location:

On the Project Summary page upload any certified survey.

Description of Proposal:

Permanent

if Temporary: Months: Days:

04/15/2013

Common Frequency Bands

Low Frea

High Freq

Freq Unit ERP **ERP Unit**

Specific Frequencies

Spherical Markers

(nearest foot)

Dual medium catenary

N/A New Structure

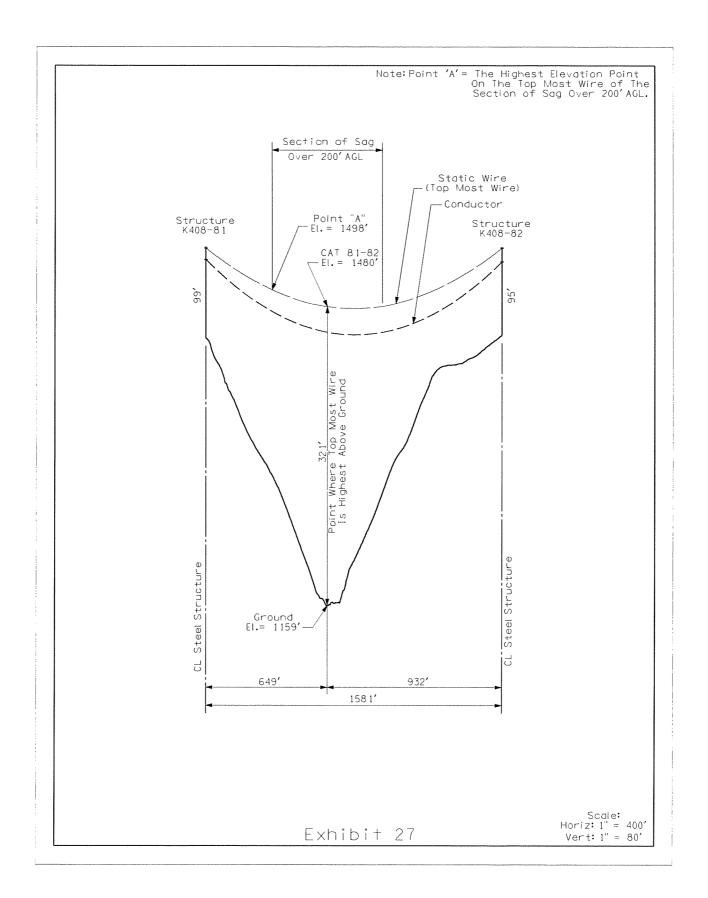
Other:

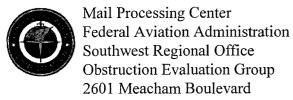
Hindman Kentucky

Mountainous terrain in eastern

Kentucky

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.





Fort Worth, TX 76137

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)
X	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.

- (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.

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-10513-OE.

Signature Control No: 176290025-181532570

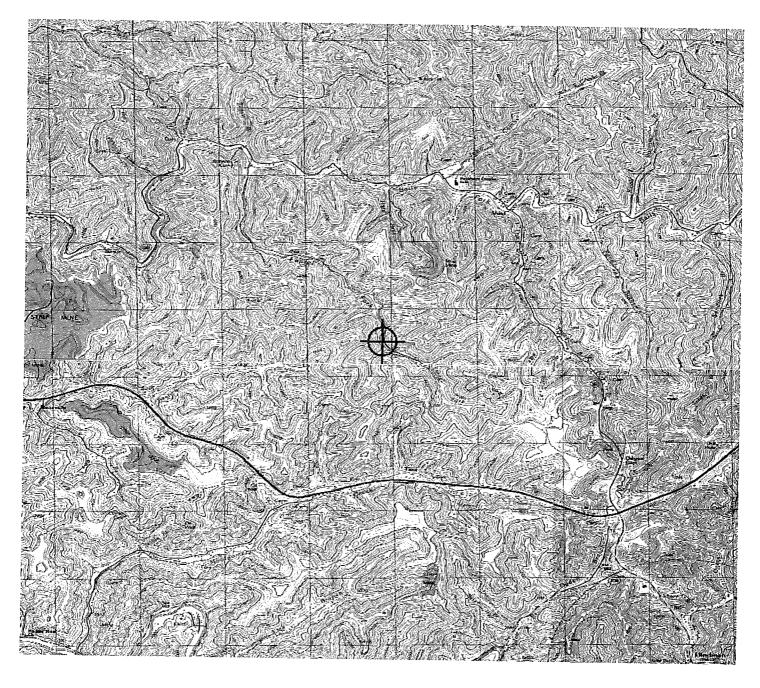
(DNE)

Fred Souchet Specialist

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.

TOPO Map for ASN 2012-ASO-10513-OE

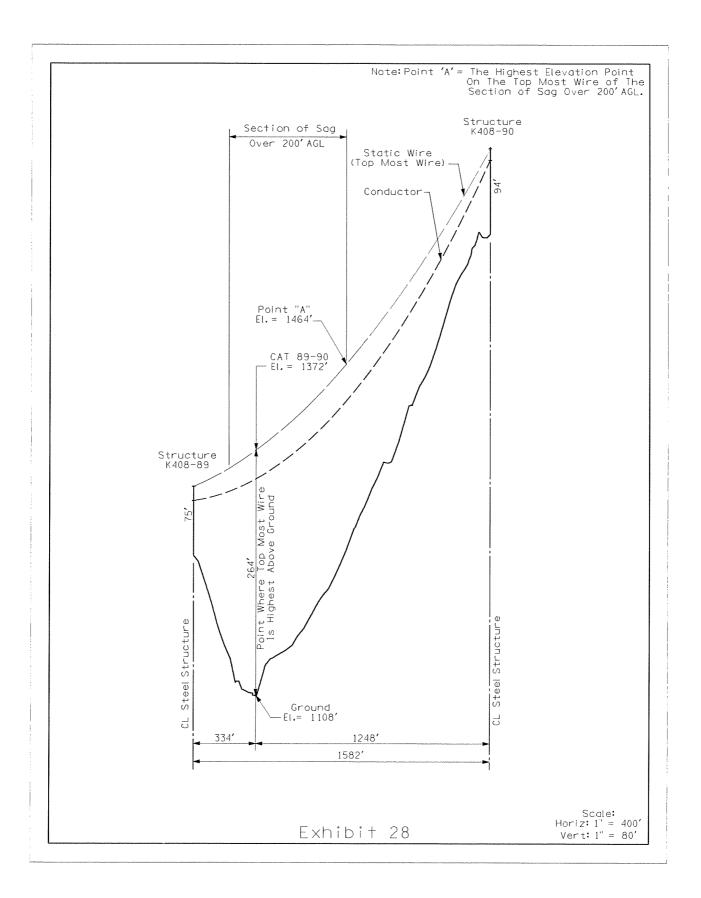


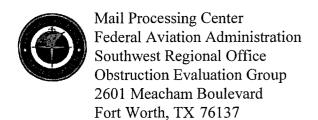


Project Name: POWER-000221073-12	Sponsor: Power Engineers for AEP	
		med.

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

	Detaile 10	Show Project Summary		
Case Status	2012 100 10511 05			11 (02 (2012
ASN:	2012-ASO-10514-OE		Date Accepted:	11/02/2012
Status:	Determined		Date Determined:	
	7450 2 (DART II) required within E day	ve offer	Letters:	01/22/2013 DNE
	7460-2 (PART II) required within 5 day the construction reaches its greatest h		Documents:	11/01/2012 🔁 FAA_89 to 90_Exb
- 1	Add Supplemental Notice (7460-2)			Durán de Dominio de la Companya de l
Public Comments:	None			Project Documents: None
Construction / Alte	ration Information		Structure Summ	nary
Notice Of:	Construction		Structure Type:	Transmission Line
Duration:	Permanent		Structure Name:	Cat 89-90 (Point on Static Wire)
if Tempora	rv: Months: Days:		NOTAM Number:	
Work Schedule - Start			FCC Number:	
Work Schedule - End:	10/16/2014		Prior ASN:	3
To find out, use the No	s-Does the permanent structure requ otice Criteria Tool. If separate notice it state the reason in the Description of	s required, please ensure it is filed.		
State Filing:				
Structure Details			Common Freque	ency Bands
Latitude:		37° 22' 56.46" N	Low Freq H	igh Freq Freq Unit ERP ERP Unit
Longitude:		83° 0' 9.23" W	Specific Freque	nciae
Horizontal Datum:		NAD83	Specific Frequen	icies !
Site Elevation (SE):		1108 (nearest foot)		· Market
Structure Height (AGL):	264 (nearest foot)		P (4)
AGL height of the exist	ion or existing provide the current	(nearest foot)		
Nacelle Height (AGL): * For Wind Turbines 5	00ft AGL or greater	(nearest foot)		
Requested Marking/Li	ighting:	Spherical Markers		
	Other :			
Recommended Markin	g/Lighting:	Dual medium catenary		ļ
Current Marking/Light	ing:	N/A New Structure		1
	Other :			
Nearest City:		Hindman		!
Nearest State:		Kentucky		
Description of Location On the Project Summa	n: ary page upload any certified survey.	Mountainous terrain in eastern Kentucky		
Description of Proposa	ıl:	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.		





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 day	ys prior to start o	of construction (7460-2, Part I)		
X	Within 5 days	s after the constru	action reaches it	s 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.

- (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.
- 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.

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

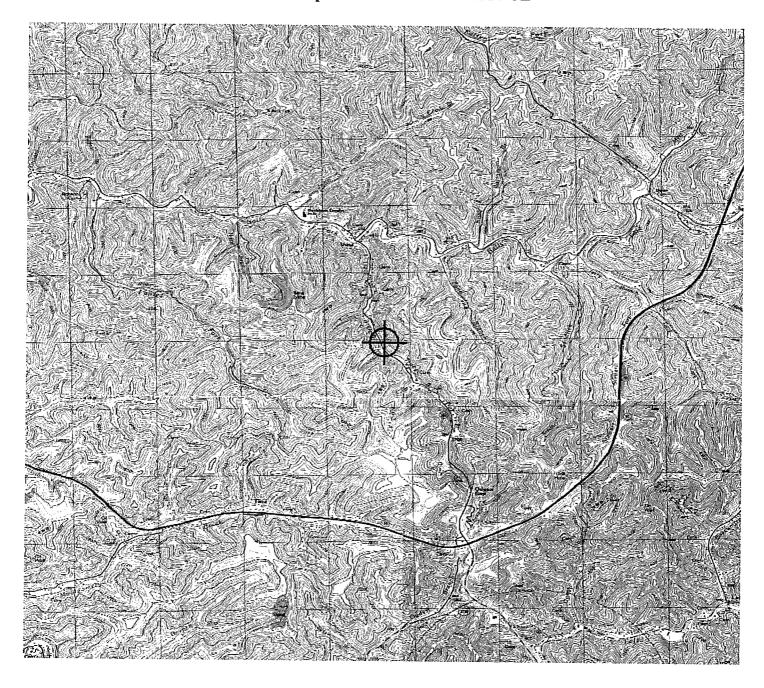
(DNE)

Fred Souchet Specialist

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.

TOPO Map for ASN 2012-ASO-10514-OE





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

Documents:

Structure Summary

Common Frequency Bands

High Freq

Structure Type:

Structure Name:

NOTAM Number:

Low Frea

Specific Frequencies

FCC Number:

Prior ASN:

Letters:

01/22/2013 🃆 DNE

11/01/2012 📆 FAA_92 to 93_Exb ...

Project Documents:

Transmission Line

Cat 92-93 (Point on Static Wire)

Freq Unit ERP

ERP Unit

None

Construction / Alteration Information

Notice Of:

Construction

Duration:

Permanent

Work Schedule - Start:

if Temporary: Months: Days: 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): Structure Height (AGL):

1106 (nearest foot) 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):

* For Wind Turbines 500ft AGL or greater

(nearest foot)

Requested Marking/Lighting:

Spherical Markers

Other:

Recommended Marking/Lighting:

Dual medium catenary

Current Marking/Lighting:

N/A New Structure

Other:

Hindman

Nearest City: Nearest State:

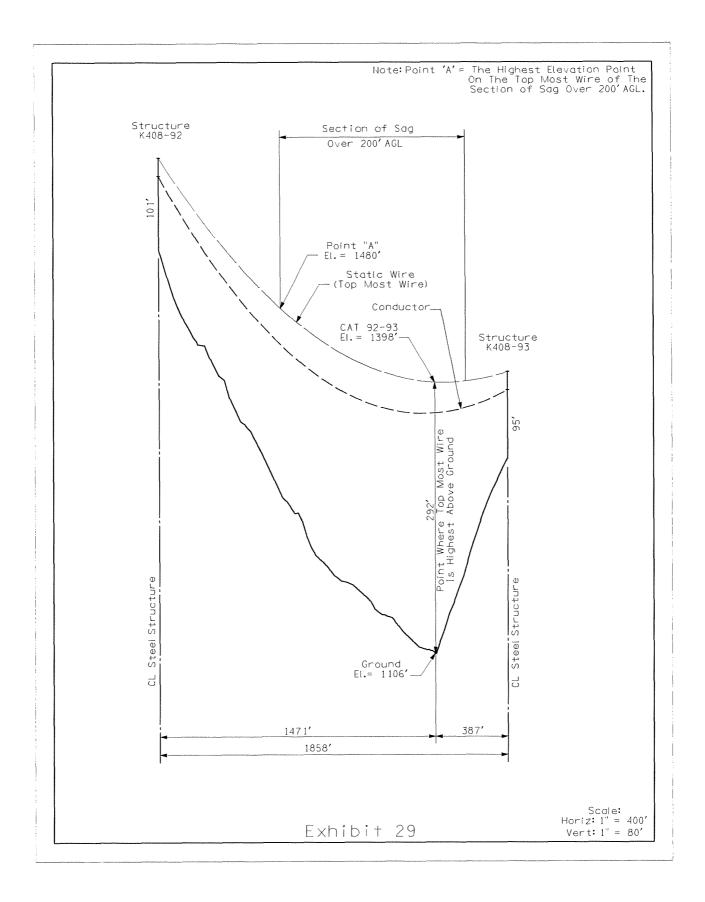
Kentucky

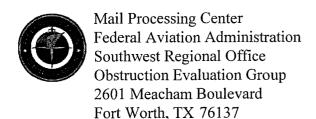
Description of Location: On the Project Summary page upload any certified survey. Mountainous terrain in eastern

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.





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)
X	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.

- (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.

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

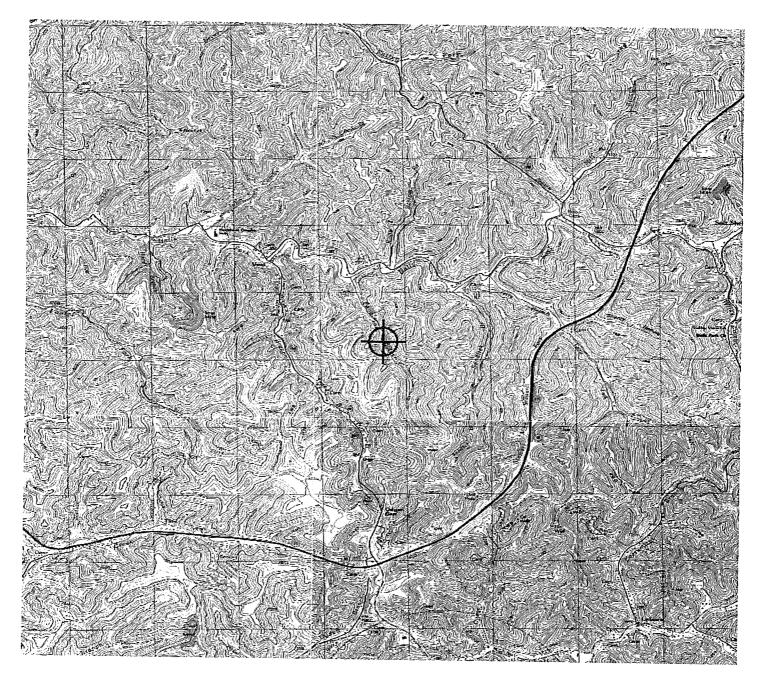
(DNE)

Fred Souchet Specialist

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.

TOPO Map for ASN 2012-ASO-10515-OE





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:

Date Accepted:

11/02/2012

Date Determined: 01/22/2013

Letters:

01/22/2013 🃆 DNE

Cat 94-95 (Point on Static Wire)

Documents:

Structure Summary

Structure Type:

Structure Name:

NOTAM Number:

FCC Number: Prior ASN:

11/01/2012 📆 FAA_94 to 95_Exb ...

Project Documents:

Transmission Line

Construction / Alteration Information

Notice Of:

Construction

Duration: if Temporary: Months: Days:

Permanent

Work Schedule - Start:

04/15/2013

Work Schedule - End:

10/16/2014

If it is not filed, please state the reason in the Description of Proposal.

*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.

State Filing:

Structure Details

Latitude:

37° 23' 13.21" N

Longitude:

82° 58' 51.95" W

Horizontal Datum:

NAD83

Site Elevation (SE): Structure Height (AGL): 1363 (nearest foot)

Current Height (AGL):

201 (nearest foot) (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):

* For Wind Turbines 500ft AGL or greater

(nearest foot)

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:

On the Project Summary page upload any certified survey.

Mountainous terrain in eastern

Description of Proposal:

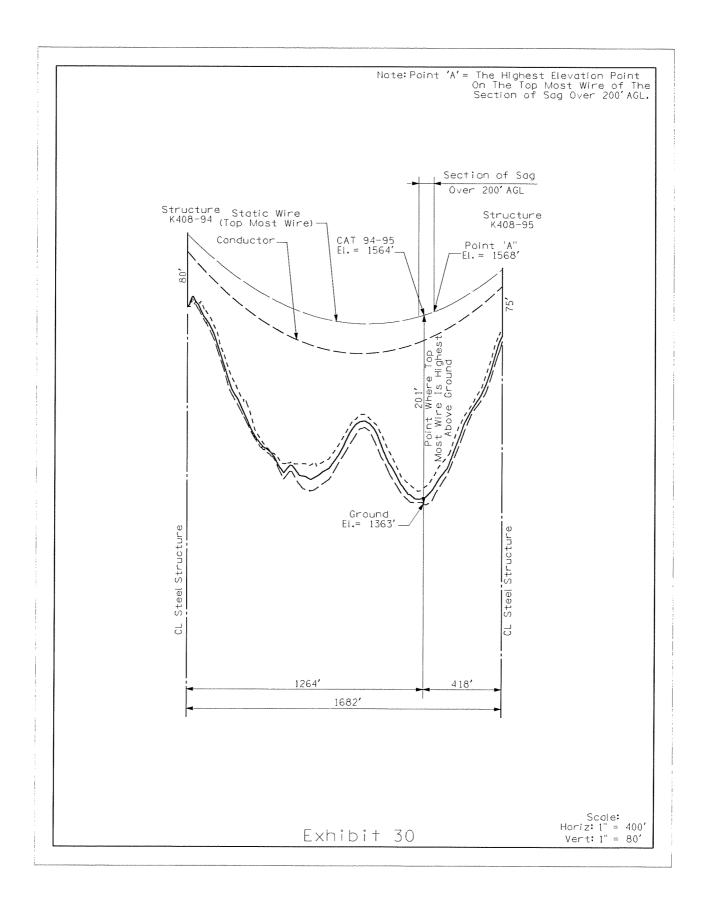
This filing is not for a structure, but is a point on a static wire where it is the highest AGL. (See attached exhibit) Bonnyman to Soft Shell 138kV K408.

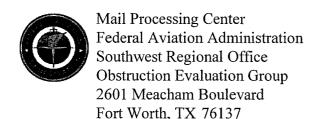
Common Frequency Bands

Low Frea High Freg Freq Unit ERP

ERP Unit

Specific Frequencies





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)
X_	_ 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.

- (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.

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

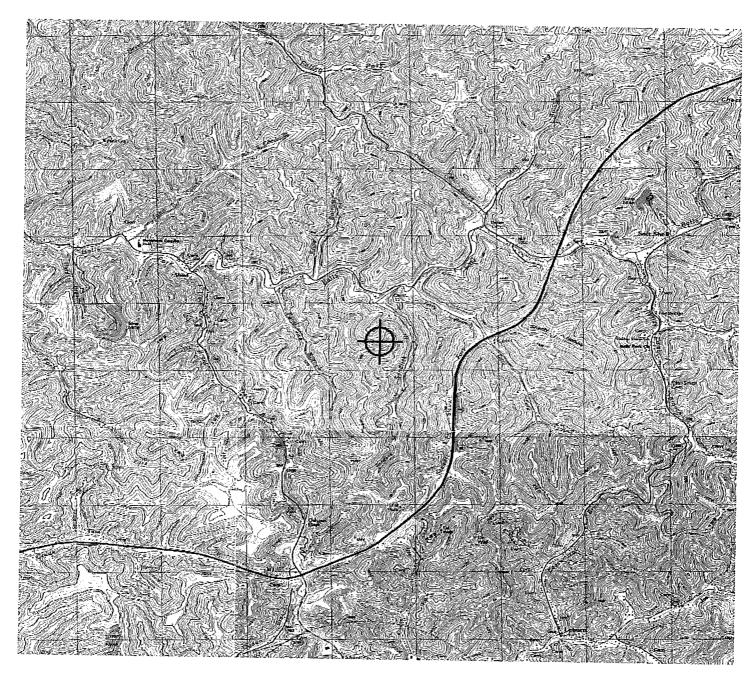
(DNE)

Fred Souchet Specialist

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.

TOPO Map for ASN 2012-ASO-10516-OE





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

Structure Type:

Date Accepted:

Letters:

Documents:

Transmission Line

Structure Name:

NOTAM Number: FCC Number: Prior ASN:

Construction / Alteration Information

Notice Of: **Duration:**

Construction 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: Longitude: 37° 23' 13.84" N 82° 58' 36.35" W

Horizontal Datum:

NAD83

Site Elevation (SE):

1103 (nearest foot)

Structure Height (AGL): Current Height (AGL):

444 (nearest foot) (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):

* For Wind Turbines 500ft AGL or greater

(nearest foot)

Requested Marking/Lighting:

Spherical Markers

Other:

Other:

Recommended Marking/Lighting:

Dual medium catenary

Current Marking/Lighting:

N/A New Structure

Nearest City:

Hindman

Nearest State:

Kentucky

Description of Location:

Mountainous terrain in eastern 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.

Project Documents: None

Date Determined: 01/22/2013

Structure Summary

Cat 95-96 (Point on Static Wire)

11/02/2012

01/22/2013 🃆 DNE

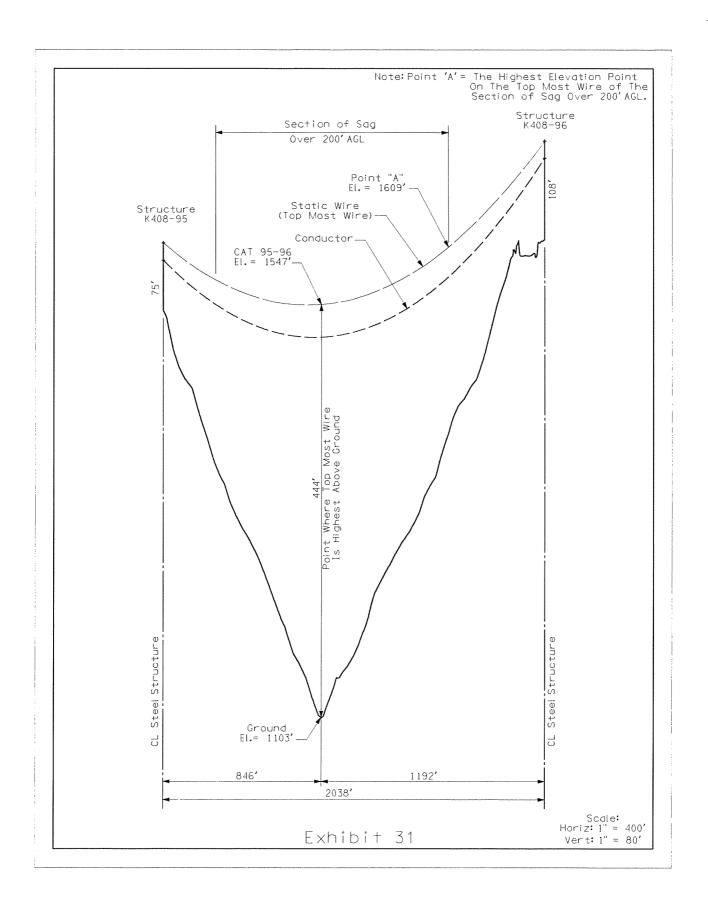
11/01/2012 📆 FAA_95 to 96_Exb ...

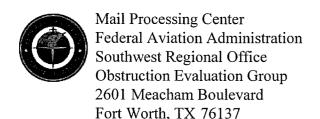
ERP Unit

Common Frequency Bands Frea Unit ERP

Specific Frequencies

Low Freq High Freg





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:

4	At least 10 days prior to start of construction (7460-2, Part I)	
X	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.

- (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.

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

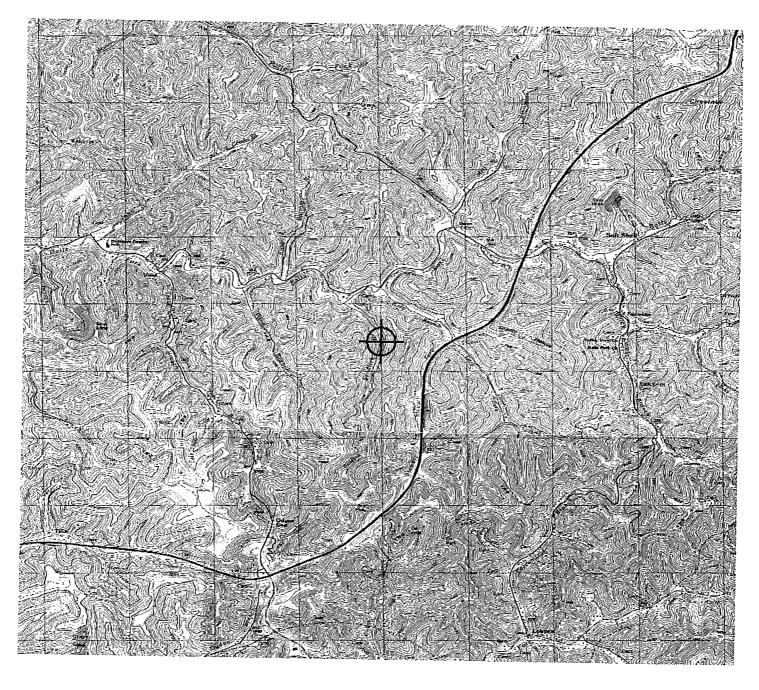
(DNE)

Fred Souchet Specialist

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.

TOPO Map for ASN 2012-ASO-10517-OE





Notice of Proposed Construction or Alteration - Off Airport

Sponsor: Power Engineers for AEP Project Name: POWER-000221073-12

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

Show Project Summary

Case Status

ASN:

2012-ASO-10518-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:

Letters:

Documents:

11/02/2012

Date Determined: 01/22/2013

Structure Summary

Structure Type:

Structure Name:

NOTAM Number:

FCC Number:

Prior ASN:

01/22/2013 📆 DNE

11/01/2012 📆 FAA_97 to 98_Exb ...

Project Documents:

Transmission Line

Cat 97-98 (Point on Static Wire)

None

Construction / Alteration Information

Notice Of:

Construction

Duration:

Permanent

if Temporary: Work Schedule - Start:

Months: Days: 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' 19.07" N

Longitude: **Horizontal Datum:** 82° 58' 4.25" W NAD83

Site Elevation (SE):

1084 (nearest foot)

(nearest foot)

Structure Height (AGL):

245 (nearest foot)

Current Height (AGL):

* 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):

* For Wind Turbines 500ft AGL or greater

(nearest foot)

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 Mountainous terrain in eastern

Description of Location:

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**

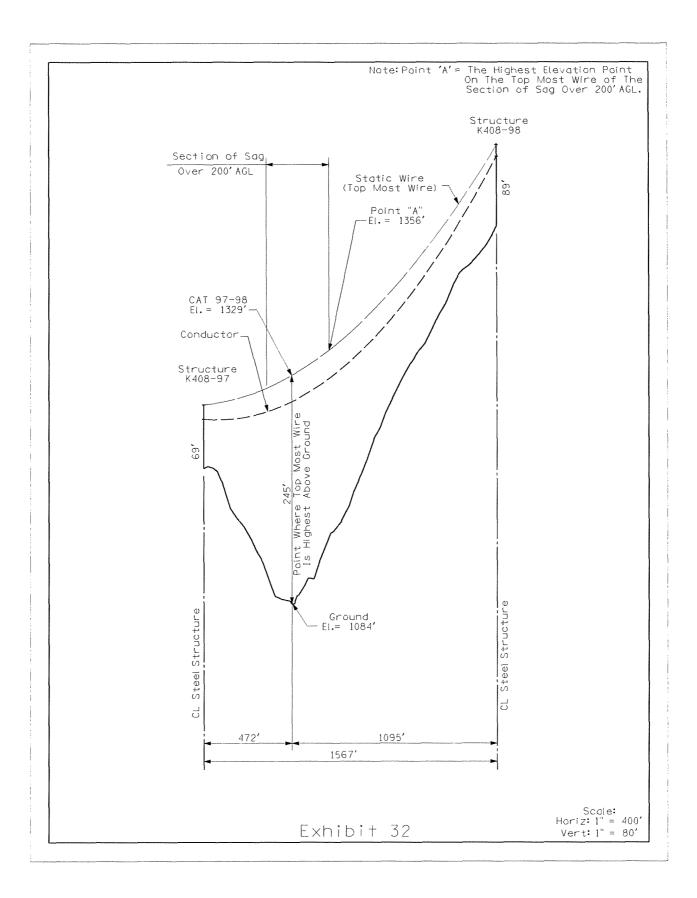
Low Freq

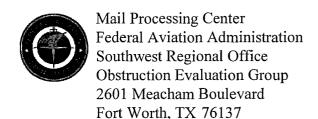
High Freq

Freq Unit ERP

ERP Unit

Specific Frequencies





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)	
X	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.

- (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.

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

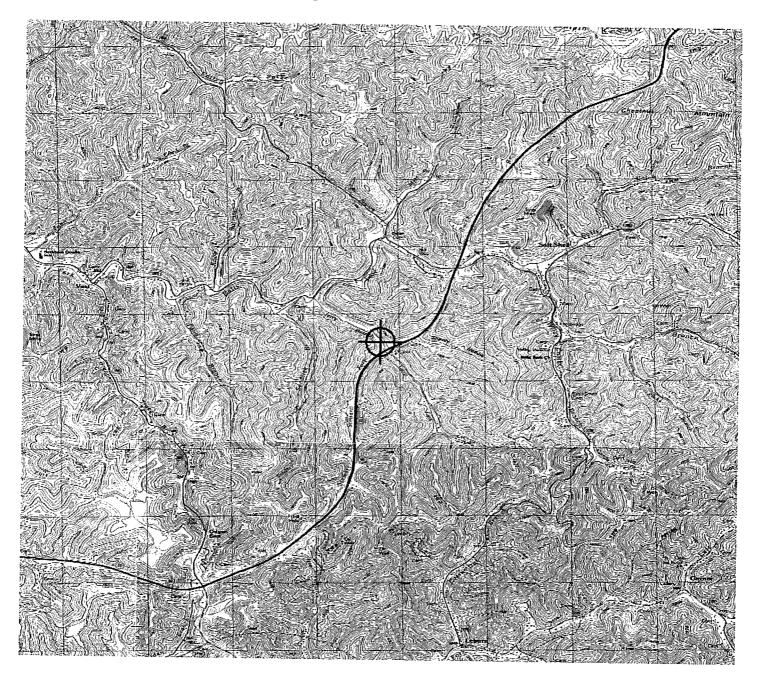
(DNE)

Fred Souchet Specialist

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.

TOPO Map for ASN 2012-ASO-10518-OE





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:

Date Accepted:

Letters:

11/02/2012

Date Determined: 01/22/2013

01/22/2013 TDNE

Documents:

11/01/2012 📆 FAA_100 to 101_Ex...

Project Documents:

None

Construction / Alteration Information

Notice Of: **Duration:**

Construction Permanent

if Temporary: Months: Days:

Work Schedule - Start: Work Schedule - End:

04/15/2013 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: Longitude:

82° 57' 38.45" W

Horizontal Datum:

NAD83 Site Elevation (SE): 1257 (nearest foot) Structure Height (AGL): 365 (nearest foot)

Current Height (AGL):

* 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):

* For Wind Turbines 500ft AGL or greater

(nearest foot)

(nearest foot)

Requested Marking/Lighting:

Spherical Markers

37° 23' 31.51" N

Other:

Recommended Marking/Lighting:

Dual medium catenary N/A New Structure

Other:

Nearest City: Nearest State: Hindman Kentucky

Description of Location:

Current Marking/Lighting:

On the Project Summary page upload any certified survey.

Description of Proposal:

Mountainous terrain in eastern

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 100-101 (Point on Static Wire)

NOTAM Number: FCC Number: Prior ASN:

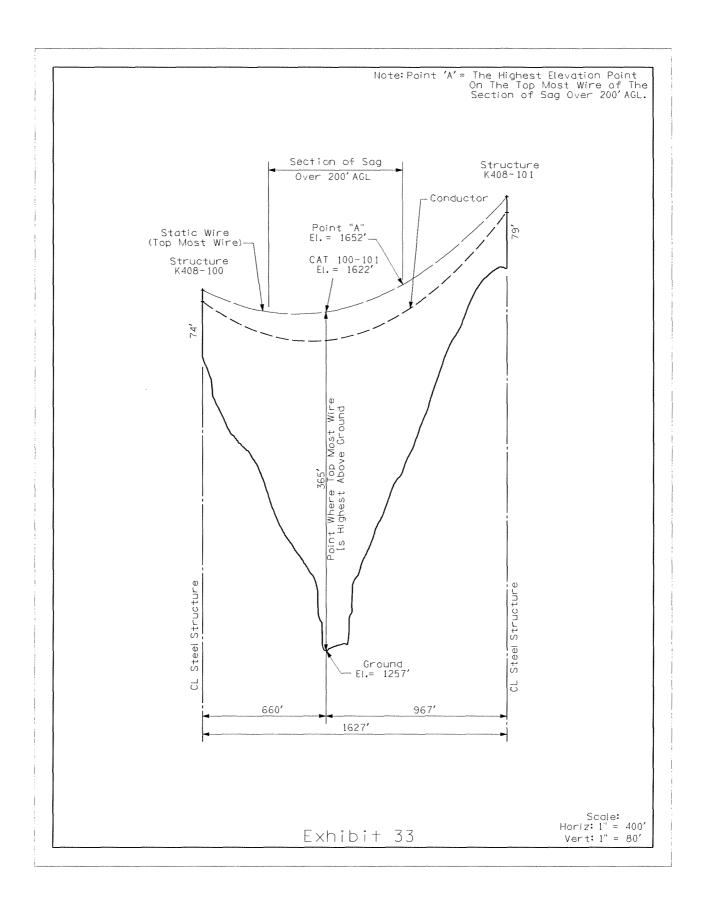
Common Frequency Bands

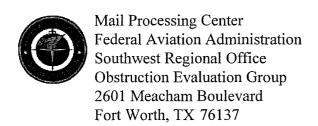
Low Freq

High Freq

Freq Unit ERP **ERP Unit**

Specific Frequencies





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 t	to start of construction	(7460-2, Part I)	
X	Within 5 days after the	e construction reaches i	its greatest height (7460-2	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.

- (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.

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

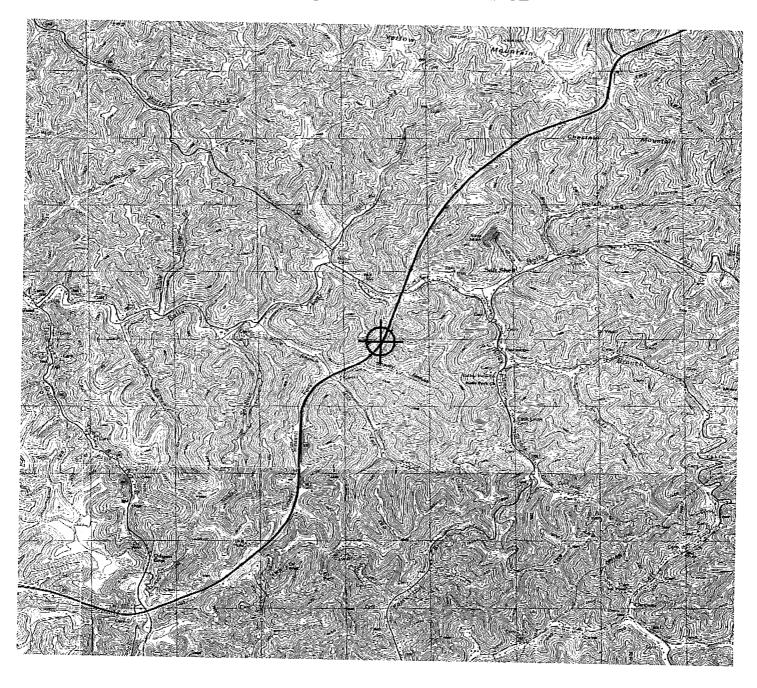
(DNE)

Fred Souchet Specialist

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.

TOPO Map for ASN 2012-ASO-10519-OE





Description of Proposal:

Notice of Proposed Construction or Alteration - Off Airport

Project Name: POWER-000221073-12	Sponsor: Power Engineers for AEP

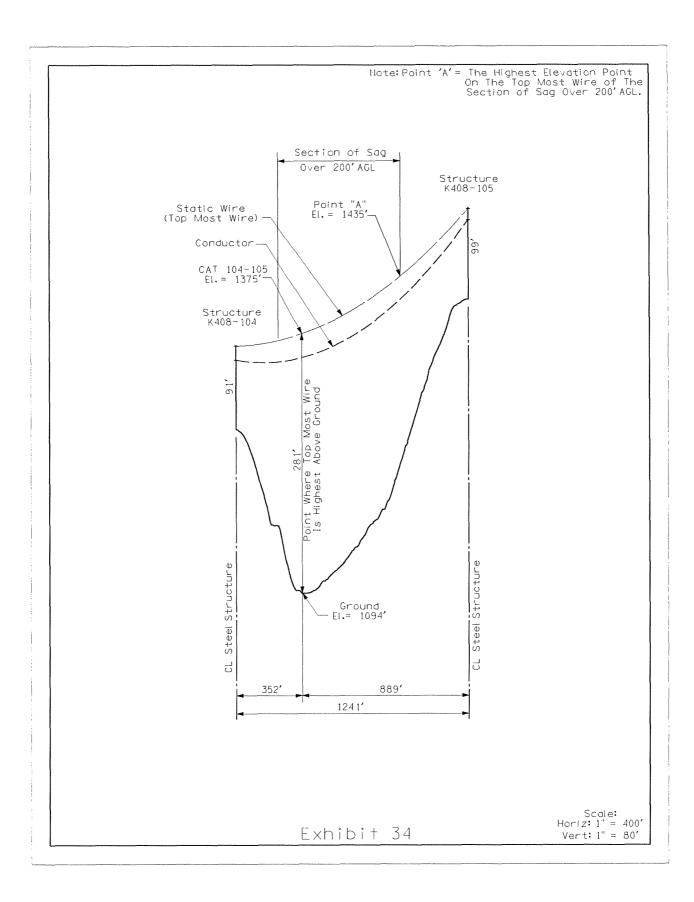
Details for Case: Cat 104-105 (Point on Static Wire)

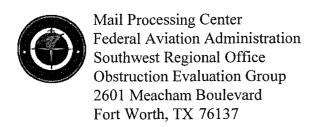
This filing is not for a structure, but is a point on a static wire where it is the highest AGL. (See attached exhibit) Bonnyman to Soft Shell 138kV K408.

Show Project Summary **Case Status** 2012-ASO-10520-OE ASN: Status: Determined 7460-2 (PART II) required within 5 days after the construction reaches its greatest height. Add Supplemental Notice (7460-2) **Public Comments: 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** 37° 23' 56.06" N Latitude: 82° 56' 54.77" W Longitude: **Horizontal Datum:** NAD83 1094 (nearest foot) Site Elevation (SE): Structure Height (AGL): 281 (nearest foot) (nearest foot) Current Height (AGL): * 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 Spherical Markers Requested Marking/Lighting: Other: Recommended Marking/Lighting: Dual medium catenary N/A New Structure Current Marking/Lighting: Other: Hindman **Nearest City: Nearest State:** Kentucky **Description of Location:** Mountainous terrain in eastern On the Project Summary page upload any certified survey. Kentucky

Date Accepted: 11/02/2012 Date Determined: 01/22/2013 01/22/2013 🔁 DNE Letters: 11/01/2012 📆 FAA_104 to 105_Ex... Documents: Project Documents: None **Structure Summary** Structure Type: Transmission Line Cat 104-105 (Point on Static Wire) Structure Name: **NOTAM Number:** FCC Number: Prior ASN: **Common Frequency Bands** High Freq Low Freq Freq Unit ERP **ERP Unit**

Specific Frequencies





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 day	s prior to start of	construction (7	7460-2, Part 1)		
X	Within 5 days	after the construc	tion reaches it	s 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.

- (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.
- 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-10520-OE.

Signature Control No: 176290032-181532571

(DNE)

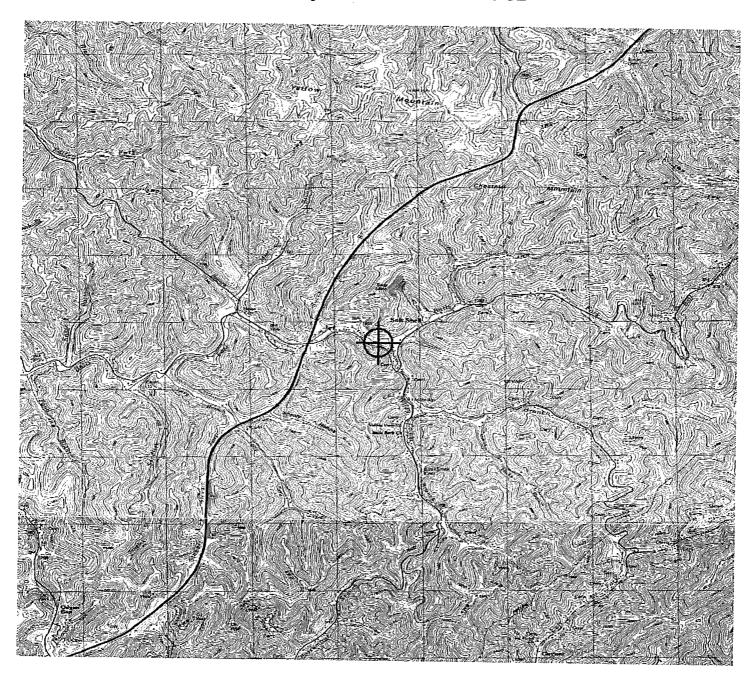
Fred Souchet Specialist

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.

TOPO Map for ASN 2012-ASO-10520-OE





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-K20-2013-059

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.

Yohn Houlihan Administrator





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

AERONAUTICIAL 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.

Ž:	Construction status is as follows: Structure reached its greatest height offt. AGLft. AMSL on(date).
	Date construction was completed.
	Type of obstruction marking/painting.
	Type of obstruction lighting.
	As built coordinates.
	Miscellaneous Information.
	DATE
	SIGNATURE/TITLE





TC 56-50 Rev. 07/2010 Page 2 of 2

KENTUCKY AIRPORT ZONING COMMISSION

APPLICANT (name)	PHONE	FAX	KY AERONAUTICAL STUDY #			
American Electric Power: John Edward	s 540-562-7118	540-562-7050	AS-097-KZ0-2013-059			
ADDRESS (street)			STATE ZIP			
P.O Box 2021	Roanoke		VA 24022-2121			
APPLICANT'S REPRESENTATIVE (name) PHONE	FAX				
POWER Engineers: Erica Cutler	281-765-5541	281-765-5599				
ADDRESS (street)	CITY		STATE ZIP			
509 North Sam Houston Pkwy East	Houston		TX 77060			
APPLICATION FOR New Constru	ction Alteration	Existing	WORK SCHEDULE			
DURATION Permanent Te	mporary (months	days)	Start 4/15/2013 End 10/16/2014			
TYPE Crane Building	MARKING/PAINTIN	IG/LIGHTING PREFE	RRED			
Antenna Tower	Red Lights & Pa	int White-med	ium Intensity			
Power Line Water Tank	Dual- red & me	dium intensity white	Dual-red & high intensity white			
Landfill Other	Lorenza de la companya della companya della companya de la companya de la companya della company	hperical Marker Ball	-			
LATITUDE	LONGITUDE		DATUM NAD83 NAD27			
37 ⁰ 17′59.92N"	83°13′22.82W"		Other			
NEAREST KENTUCKY	NEAREST KENTUCK	Y PUBLIC USE OR M	ILITARY AIRPORT			
City Hazard County Perry	Wendell H. Ford Ai	rport				
SITE ELEVATION (AMSL, feet)			CURRENT (FAA aeronautical study #)			
1049	338	, ,,,,	2012-ASO-10492-OE			
OVERALL HEIGHT (site elevation plus t	otal structure height.	feet)	PREVIOUS (FAA aeronautical study #)			
1387		- •	N/A			
DISTANCE (from nearest Kentucky pub	lic use or Military air,	port to structure)	PREVIOUS (KY aeronautical study #)			
5.7 miles from Cat. 7-8.						
DIRECTION (from nearest Kentucky pu	blic use or Military air	rport to structure)				
South to Cat. 7-8.	•	•				
DESCRIPTION OF LOCATION (Attach L	ISGS 7.5 minute quad	rangle map or an air	port 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 wir	e where it is the high	itest AGL. This is a proposoal for the use			
of painted shperical marker balls on th						
FAA Form 7460-1 (Has the "Notice of	Construction or Altera	tion" been filed with	the Federal Aviation Administration?)			
No						
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.)						
PENALITIES (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 TITLE	SIGNATURE	1 /	DATE			
Erica Cutler Design Engine	Toronto.	L (<	5/9/2013			
with the second						
COMMISSION ACTION Chairperson, KAZC						
	Administra	tor, KAZC				
Approved SIGNATURE	<u> </u>		DATE 6-27-13			
Disapproved	m					
	/					



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 Eletric Power American Eletric 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.

John Houlihan Administrator





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

AERONAUTICIAL STUDY NUMBER: AS-097-K20-2013-060

American Eletric Power American Eletric 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

1. The project () is abandoned. () is not abandoned.

LOCATION:

Hazard, KY 37° 18' 13.70" N / 83° 12' 52.98" W

COORDINATES: HEIGHT:

208' AGL/1439'AMSL

CONSTRUCTION/ALTERATION STATUS

SIGNATURE/TITLE

2.	Construction status is as follows: Structure reached its greatest height offt. AGLft. AMSL on(date).
	Date construction was completed.
	Type of obstruction marking/painting.
	Type of obstruction lighting.
	As built coordinates.
	Miscellaneous Information.
	DATE





TC 56-50 Rev. 07/2010 Page 2 of 2

KENTUCKY AIRPORT ZONING COMMISSION

APPLICANT (name)	PHONE	FAX	KY AERONAU	TICAL STUDY #		
American Electric Power: John Edwa	ords 540-562-7118	540-562-7050	A5-097-1	<20-2013-060		
ADDRESS (street)			STATE	ZIP		
P.O Box 2021	Roanoke			24022-2121		
APPLICANT'S REPRESENTATIVE (nai	me) PHONE	FAX				
POWER Engineers: Erica Cutler	281-765-5541	281-765-5599	}			
ADDRESS (street)	CITY	<u> </u>	STATE	ZIP		
509 North Sam Houston Pkwy East	Houston		TX	77060		
APPLICATION FOR New Cons	truction Alteration	n Existing	WORK SCHEE	WORK SCHEDULE		
DURATION Permanent	Temporary (months	days)	Start 4/15/20	13 End 10/16/2014		
TYPE Crane Building	MARKING/PAINTI	NG/LIGHTING PRE	FERRED			
Antenna Tower	Red Lights & Pa	aint White-m	edium intensity	White-high intensity		
🔯 Power Line 🔲 Water Tank	Dual- red & me	dium intensity whi	te Dual-re	d & high intensity white		
Landfill Other	Other Painted	Shperical Marker B	alls	-		
LATITUDE	LONGITUDE		DATUM	NAD83 NAD27		
37 ⁰ 18'13.70N"	83°12′52.98W"		Other			
NEAREST KENTUCKY	NEAREST KENTUC	KY PUBLIC USE OR	MILITARY AIRPO	RT		
City Hazard County Perry	Wendell H. Ford A	irport				
SITE ELEVATION (AMSL, feet)	TOTAL STRUCTUR	E HEIGHT (AGL, fee	t) CURRENT (FA	A aeronautical study #)		
1231	208		2012-ASO-10	521-0E		
OVERALL HEIGHT (site elevation plu	s total structure height,	, feet)	PREVIOUS (F	AA aeronautical study #)		
1439			N/A			
DISTANCE (from nearest Kentucky p	ubli c use or Military air	port to structure)	PREVIOUS (K	Y aeronautical study #)		
5.6 miles from Cat. 10-11. N/A						
	DIRECTION (from nearest Kentucky public use or Military airport to structure)					
South to Cat. 10-11.						
DESCRIPTION OF LOCATION (Attach	u USGS 7.5 minute quad	lrangle map or an d	rirport layout dra	wing with the precise site		
morked and any certified survey.)						
TOPO Map is located on Page 4 of each FAA Determination						
DECCRICTION OF ADDRESS						
DESCRIPTION OF PROPOSAL This filing is not for a structure, but is a point on a static wire where it is the hightest AGL. This is a proposoal for the use						
of painted shperical marker balls on						
FAA Form 7460-1 (Has the "Notice of	of Construction or Altero	ation" been filed wi	th the Federal Av	viation Administration?)		
No X Yes, when? 11/2/2012						
CERTIFICATION (I hereby certify tha	t all the above entries, r	made by me, are tr	u e, complete, an	d correct to the best of		
	my knowledge and belief.)					
PENALITIES (Persons failing to comply with KRS 183.861 to 183.990 and 602 KAR 050 are liable for fines and/or						
imprisanment as set forth in KRS 183.990(3). Noncompliance with FAA regulations may result in further penalties.)						
NAME TITLE	SIGNATURE	1-1	DATE			
Erica Cutler Design Engi	neer (1/5	5/9/2013			
Chairperson, KAZC						
COMINISSION ACTION V Administrator KAZC						
Approved SIGNATURE	/ \ T	•	DATE 6	27-13		
Disapproved	he		DATE U			
I Pughhiorea	W					
	Ø.					



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-K20-2013-061

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 Markets are required in accordance with 602 KAR 50:100.

John Houlihan Administrator





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

AERONAUTICIAL 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 37° 18' 18.60" N / 83° 12' 31.25" W COORDINATES: 259' AGL/1325'AMSL HEIGHT: 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 fl. AMSL on _____(date). Date construction was completed. Type of obstruction marking/painting. Type of obstruction lighting. As built coordinates. Miscellaneous Information.

SIGNATURE/TITLE____





TC 56-50 Rev. 07/2010 Page 2 of 2

KENTUCKY AIRPORT ZONING COMMISSION

1 ' '		PHONE	FAX	KY AERONAUTICAL STUDY #		
American Electric Power: John Edwards			540-562-7050	AS- 097- KZ		
ADDRESS (street)		CITY		STATE	ZIP	
P.O Box 2021		Roanoke		VA	24022-2121	
APPLICANT'S REPRESENT			FAX			
POWER Engineers: Erica C	Cutler	281-765-5541	281-765-5599			
ADDRESS (street)		CITY		STATE	ZIP	
509 North Sam Houston P		Houston		TX	77060	
	New Construct	PARTY NAME OF TAXABLE		WORK SCHEDULE		
DURATION Perman		porary (months	days)	Start 4/15/2013 En	ia 10/16/2014	
	Building		IG/LIGHTING PREFE			
Antenna Tower					Vhite-high intensity	
Towns to the second sec	er Tank		dium intensity white		igh intensity white	
Landfill Othe	<u> </u>		hperical Marker Ball	and the second s	02 [7:12===	
LATITUDE		LONGITUDE		DATUM NAD	83 NAD27	
37°18'18.60N"		83°12'31.25W"	V DUDLIC LICE OF \$4	Other		
NEAREST KENTUCKY		\	Y PUBLIC USE OR M	ILITAKY AIKPORT		
City Hazard County Perry		Wendell H. Ford Air		CHOPENT ICAA	consisting study 41	
SITE ELEVATION (AMSL, fi 1066	eetj	259	HEIGHT (AGL, feet)	CURRENT (FAA aei 2012-ASO-10491-0	• •	
	augtion plus to			PREVIOUS (FAA aeronautical study #)		
OVERALL HEIGHT (site ele 1325	svation hinz (0)	toi sa ucture neigni, jeetj		N/A		
DISTANCE (from nearest)	Kentucky public	c use or Military aird	ort to structure\	PREVIOUS (KY aero	onautical study #)	
5.6 miles from Cat. 12-13	• •			N/A	1	
DIRECTION (from nearest		lic use or Military air	port to structure)			
South to Cat. 12-13.						
DESCRIPTION OF LOCATION	ON (Attach US	GS 7.5 minute quadı	angle map or an air	port 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						
DESCRIPTION OF PROPOS				and ACI This is	vananci for ti	
This filing is not for a stru						
of painted shperical mark						
FAA Form 7460-1 (Has th		onstruction or Altera	tìon" been filed with	the Federal Aviation	n Administration?)	
☐ No 🛛 Yes, when? 1	CONTRACTOR					
	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.)						
PENALITIES (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.)						
1	TITLE	SIGNATURE	1-/-	DATE		
Erica Cutler D	Design Enginee	rlev		5/9/2013		
COMMISSION ACTION Chairperson, KAZC Administrator, KAZC						
Approved S	IGNATURE	1	•	DATE 6-27	-13	
Disapproved	A A A A A A A A A A A A A A A A A A A			DAIL D		
ITT nisabhi nasn						



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-K20-2013-062

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





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

AERONAUTICIAL 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: 37º 18' 25.97" N / 83º 12' 8.03" W

1. The project () is abandoned. () is not abandoned.

HEIGHT: 213' AGL/1542'AMSL

CONSTRUCTION/ALTERATION STATUS

2,	Construction status is as follows:
	Structure reached its greatest height of ft. AGL ft. AMSL on (date).
	fl. AMSL on(date).
	Date construction was completed.
	Type of obstruction marking/painting.
	Type of obstruction lighting.
	As built coordinates.
	Miscellaneous Information.
	DATE
	SIGNATURE/TITLE





TC 56-50 Rev. 07/2010 Page 2 of 2

KENTUCKY AIRPORT ZONING COMMISSION

APPLICANT (name)	PHONE	FAX	KY AERONAUTICAL STUDY #				
American Electric Power: John Edward	ds 540-562-7118	540-562-7050	AS-097- K20-2013-062				
ADDRESS (street)	CITY		STATE ZIP				
P.O Box 2021	Roanoke		VA 24022-2121				
APPLICANT'S REPRESENTATIVE (nam	e) PHONE	FAX					
POWER Engineers: Erica Cutler	281-765-5541	281-765-5599					
ADDRESS (street)	CITY		STATE ZIP				
509 North Sam Houston Pkwy East	Houston		TX 77060				
APPLICATION FOR New Constru	uction Alteration	Existing	WORK SCHEDULE				
DURATION Permanent To	emporary (months	days)	Start 4/15/2013 End 10/16/2014				
TYPE Crane Building	MARKING/PAINTI	NG/LIGHTING PREFE	RRED				
Antenna Tower		Red Lights & Paint White-medium intensity White-high inter					
Power Line Water Tank		dium intensity white					
Landfill Other	The state of the s	hperical Marker Ball					
LATITUDE	LONGITUDE		DATUM NAD83 NAD27				
37°18′25.97N″	83°12'08.03W"		Other				
NEAREST KENTUCKY	NEAREST KENTUCH	Y PUBLIC USE OR M	ILITARY AIRPORT				
City Hazard County Perry	Wendell H. Ford Ai						
SITE ELEVATION (AMSL, feet)	TOTAL STRUCTURE	HEIGHT (AGL, feet)	CURRENT (FAA aeronautical study #)				
1329	213	,,	2012-ASO-10522-OE				
OVERALL HEIGHT (site elevation plus	total structure height,	feet)	PREVIOUS (FAA aeronautical study #)				
1542		•	N/A				
DISTANCE (from nearest Kentucky pur	blic use or Military air	port to structure)	PREVIOUS (KY aeronautical study #)				
5.7 miles from Cat. 14-15. N/A							
DIRECTION (from nearest Kentucky po	DIRECTION (from nearest Kentucky public use or Military airport to structure)						
South to Cat. 14-15.							
DESCRIPTION OF LOCATION (Attach (JSGS 7.5 minute quad	rangle map or an air	port layout drawing with the precise sit				
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 wir	e where it is the high	ntest AGL. This is a proposoal for the us				
of painted shperical marker balls on t	he static wire of a spar	n in the Bonnyman -	Softshell 138kV Circuit.				
FAA Form 7460-1 (Has the "Notice of	Construction or Altero	tion" been filed with	the Federal Aviation Administration?)				
□ No							
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.)							
PENALITIES (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 TITLE SIGNATURE / DATE							
Erica Cutler Design Engine	1 4		5/9/2013				
COMMISSION ACTION Chairperson, KAZC							
المناف	Administfat	or, KAZL	1 - 2				
Approved SIGNATURE	(b)		DATE \$ -27-13				
☐ Disapproved /(yeu						
V							



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-K20-2013-063

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.

John Houlihan Administrator





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

2.

AERONAUTICIAL 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 1. The project () is abandoned. () is not abandoned.

Construction status is as follows: Structure reached its greatest height offt. AGLft. AMSL on(date).	
Date construction was completed.	
Type of obstruction marking/painting.	
Type of obstruction lighting.	
As built coordinates.	
Miscellaneous Information.	
DÁTE	
SIGNATURE/TITLE	





TC 56-50 Rev. 07/2010 Page 2 of 2

KENTUCKY AIRPORT ZONING COMMISSION

APPLICANT (name)	PHONE	FAX	KY AERONAUTICAL STUDY #			
American Electric Power: John Edwards	540-562-7118	540-562-7050	15-097-K20-2413-063			
ADDRESS (street)	CITY		STATE ZIP			
P.O Box 2021	Roanoke		VA 24022-2121			
APPLICANT'S REPRESENTATIVE (name)	PHONE	FAX				
POWER Engineers: Erica Cutler	281-765-5541	281-765-5599				
ADDRESS (street)	CITY		STATE ZIP			
509 North Sam Houston Pkwy East	Houston		TX 77060			
APPLICATION FOR New Construc	tion Alteration	Existing	WORK SCHEDULE			
DURATION Permanent Tem	porary (<i>months</i>	days)	Start 4/15/2013 End 10/16/2014			
TYPE Crane Building		IG/LIGHTING PREFE				
Antenna Tower	Red Lights & Pa	int []White-med	ium intensity 🔲 White- high intensity			
Power Line Water Tank	Dual- red & med	dium intensity white	Dual- red & high intensity white			
Landfill Other	Other Painted S	hperical Marker Ball	s			
LATITUDE	LONGITUDE		DATUM NAD83 NAD27			
37 ⁰ 18'27.07N" .	83 ⁰ 11'49.47W"		Other			
NEAREST KENTUCKY	NEAREST KENTUCK	Y PUBLIC USE OR M	ILITARY AIRPORT			
City Hazard County Perry	Wendell H. Ford Air	rport				
SITE ELEVATION (AMSL, feet)	TOTAL STRUCTURE	HEIGHT (AGL, feet)	CURRENT (FAA aeronautical study #)			
1272	370		2012-ASO-10523-OE			
OVERALL HEIGHT (site elevation plus to	tal structure height,	feet)	PREVIOUS (FAA aeronautical study #)			
1642			N/A			
DISTANCE (from nearest Kentucky publi	c use or Military airp	port to structure)	PREVIOUS (KY aeronautical study #)			
5.7 miles from Cat. 16-17. N/A						
DIRECTION (from nearest Kentucky public use or Military airport to structure)						
Southeast to Cat. 16-17.						
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						
			itest AGL. This is a proposoal for the use			
of painted shperical marker balls on the	static wire of a spa	n in the Bonnyman -	Softshell 138kV Circuit.			
FAA Form 7460-1 (Has the "Notice of Co	onstruction or Altera	ition" been filed with	the Federal Aviation Administration?)			
No						
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.)						
PENALITIES (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 TITLE	SIGNATURE	17	DATE			
Erica Cutler Design Enginee	1 6	1 (5/9/2013			
COMMISSION ACTION Chairperson, KAZC Administrator, KAZC						
M	A wanning	IOI, IMEC	DATE (3 7 -/2			
Approved SIGNATURE	dele_		DATE 6-27-13			
Disapproved	7-					



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-K20-2013-064

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





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

AERONAUTICIAL 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.

Power Line
Hazard, KY

SIGNATURE/TITLE

COORDINATES: 37° 18' 23.10" N / 83° 11' 26.47" W

1. The project () is abandoned. () is not abandoned.

HEIGHT:

355' AGL/1419'AMSL

CONSTRUCTION/ALTERATION STATUS

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





TC 56-50 Rev. 07/2010 Page 2 of 2

KENTUCKY AIRPORT ZONING COMMISSION

APPLICANT (name)	PHONE	FAX	KY AERONAUTICAL	LSTUDY#			
American Electric Power: John Edwards		540-562-7050	A5-097-KZ	· ·			
ADDRESS (street)	CITY		STATE	ZIP			
P.O Box 2021	Roanoke		VA	24022-2121			
APPLICANT'S REPRESENTATIVE (name)		FAX		<u> </u>			
POWER Engineers: Erica Cutler	281-765-5541	281-765-5599					
ADDRESS (street)	CITY	<u> </u>	STATE	ZIP			
509 North Sam Houston Pkwy East	Houston		XX	77060			
APPLICATION FOR New Construc	tion Alteration	Existing	WORK SCHEDULE				
	nporary (months	days)	Start 4/15/2013 End 10/16/2014				
TYPE Crane Building	MARKING/PAINTIN	G/LIGHTING PREFE	RRED				
Antenna Tower	Red Lights & Pa	int White-med	ium intensity 🔲 V	White-high intensity			
Power Line Water Tank	Dual- red & med	dium intensity white	Dual- red & h	igh intensity white			
Landfill Other	Other Painted S	hperical Marker Ball	S				
LATITUDE	LONGITUDE		DATUM X NAC	83 NAD27			
37 ⁰ 18'23.10N"	83 ⁰ 11'26.47W"		Other				
NEAREST KENTUCKY	NEAREST KENTUCH	CY PUBLIC USE OR M	ILITARY AIRPORT				
City Hazard County Perry	Wendell H. Ford Ai	rport					
SITE ELEVATION (AMSL, feet)	TOTAL STRUCTURE	HEIGHT (AGL, feet)	CURRENT (FAA ae	ronautical study #)			
1064	355		2012-ASO-10493-OE				
OVERALL HEIGHT (site elevation plus to	ntal structure height,	feet)	1	eronautical study #)			
1419			N/A				
	DISTANCE (from nearest Kentucky public use or Military airport to structure) PREVIOUS (KY aeronautical study #)						
5.9 miles from Cat. 17-18. N/A							
DIRECTION (from nearest Kentucky public use or Military airport to structure)							
Southeast to Cat. 17-18.							
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 BRODOSAL							
DESCRIPTION OF PROPOSAL This filling is not for a structure, but is a point on a static wire where it is the hightest AGL. This is a proposoal for the use							
of painted shperical marker balls on the							
FAA Form 7460-1 (Has the "Notice of C	onstruction or Altera	ition- been Jilea witr	tne reaerai Aviatio	n Aaministratione)			
☐ No ☐ 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.)							
PENALITIES (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 TITLE	SIGNATURE		DATE				
Erica Cutler Design Enginee			5/9/2013				
COMMISSION ACTION Chairperson, KAZC							
Administrator, KAZC							
Approved SIGNATURE	11		DATE 6-27	-/3			
Disapproved	ye -		-	- -			
							



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-K20-2013-065

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





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

AERONAUTICIAL 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

SIGNATURE/TITLE

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
	Date construction was completed.
	Type of obstruction marking/painting.
	Type of obstruction lighting.
	As built coordinates.
	Miscellaneous Information.
	DATE





TC 56-50 Rev. 07/2010 Page 2 of 2

KENTUCKY AIRPORT ZONING COMMISSION

APPLICANT (name)	PHONE	FAX	KY AERONAUTICAL STUDY #	
American Electric Power: John Edwards	540-562-7118	540-562-7050	A5-097-K20-2013-065	
ADDRESS (street)	CITY		STATE ZIP	
P.O Box 2021	Roanoke		VA 24022-2121	
APPLICANT'S REPRESENTATIVE (name)		FAX		
POWER Engineers: Erica Cutler	281-765-5541	281-765-5599		
ADDRESS (street)	CITY		STATE ZIP	
509 North Sam Houston Pkwy East	Houston		TX 77060	
APPLICATION FOR New Construct			WORK SCHEDULE	
	porary (months		Start 4/15/2013 End 10/16/2014	
TYPE Crane Building		ig/lighting prefer		
Antenna Tower	Red Lights & Pai	int White-medi	ium intensity 🔲 White- high Intensity	
Power Line Water Tank		dium intensity white		
Landfill Other	Other Painted Si	hperical Marker Balls		
LATITUDE	LONGITUDE		DATUM NAD83 NAD27	
37 ⁰ 18′20,86N″	83 ⁰ 11'13.90W"		Other	
NEAREST KENTUCKY	NEAREST KENTUCK	Y PUBLIC USE OR MI	LITARY AIRPORT	
City Hazard County Perry	Wendell H. Ford Air	port		
SITE ELEVATION (AMSL, feet)	TOTAL STRUCTURE	HEIGHT (AGL, feet)	CURRENT (FAA aeronautical study #)	
1243	259	 	2012-ASO-10494-OE	
OVERALL HEIGHT (site elevation plus to	tal structure height, j	feet)	PREVIOUS (FAA aeronautical study #)	
1502			N/A	
DISTANCE (from nearest Kentucky public	c use or Military airp	ort to structure)	PREVIOUS (KY aeronautical study #)	
6.2 miles from Cat. 18-19.			N/A	
DIRECTION (from nearest Kentucky publ	lic use or Military air	port to structure)		
Southeast to Cat. 18-19.	• ···			
DESCRIPTION OF LOCATION (Attach US	GS 7.5 minute quadr	angle map or an airp	port 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				
-		_	test AGL. This is a proposoal for the use	
of painted shperical marker balls on the	static wire of a span	in the Bonnyman - S	Softshell 138kV Circuit.	
FAA Form 7460-1 (Has the "Notice of Co	enstruction or Altera	tion" been filed with	the Federal Aviation Administration?)	
☐ No 🗵 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.)				
PENALITIES (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 183.99				
NAME TITLE	SIGNATURE /	7	DATE	
Erica Cutler Design Enginee	1 2 .	. (5/9/2013	
1		VA7C	<u> </u>	
COMMISSION ACTION Chairpelson, KAZC Administrator, KAZC				
men .	Amministrat	UL, NALL	m - 13	
Approved SIGNATURE	leca		DATE 4-27-13	
Disapproved **				
17			• •	



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-K20-2013-066

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.

Jøhn Houlihan Administrator





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

2.

AERONAUTICIAL STUDY NUMBER: AS-097-K20-2013-066

AMERICAN ELECTRIC POWER AMERICAN ELECTRIC POWER P Q 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.

Construction status is as follows: Structure reached its greatest height of ft. AMSL on	ft. AGL (date).	
Date construction was completed.		
Type of obstruction marking/painting.		
Type of obstruction lighting.		
As built coordinates.		
Miscellaneous Information.		
DATE		
SIGNATURE/TITLE		





TC 56-50 Rev. 07/2010 Page 2 of 2

KENTUCKY AIRPORT ZONING COMMISSION

APPLICANT (name)			FAX	KY AERONAUTICAL	
American Electric Power:	John Edwards 54	40-562-7118	540-562-7118	AS-697-120	
ADDRESS (street)	C	ITY		STATE	ZIP
P.O Box 2021		oanoke		VA	24022-2121
APPLICANT'S REPRESENT	'ATIVE (name) P	HONE	FAX		
POWER Engineers: Erica (Cutier 2	81-765-5541	281-765-5599		
ADDRESS (street)	c	ITY		STATE	ZIP
509 North Sam Houston F	Pkwy East H	louston		TX	77060
APPLICATION FOR 🛛	New Constructio	on Alteration	Existing	WORK SCHEDULE	
DURATION Perman		orary (months	days)	Start 4/15/2013 Er	rd 10/16/2014
TYPE Crane	Building N		G/LIGHTING PREFE		
Antenna Tower		🗌 Red Lights & Pai	nt White-med		White- high intensity
🛛 Power Line 🔲 Wat	ter Tank		lium intensity white		igh intensity white
☐ Landfill ☐ Othe			hperical Marker Ball		
LATITUDE		ONGITUDE		DATUM NAD	83 NAD27
37 ⁰ 18′30,42N″		3 ⁰ 10′58.31W"		Other	
NEAREST KENTUCKY		•	Y PUBLIC USE OR M	ILITARY AIRPORT	·
City Hazard County Perry		Vendell H. Ford Air			
SITE ELEVATION (AMSL,)			HEIGHT (AGL, feet)		ronautical study #)
1406		36		2012-ASO-10495-0	·
OVERALL HEIGHT (site el	evation plus total	l structure height, j	feet)		ronautical study #)
1642				N/A	
DISTANCE (from nearest	• •	use or Military airp	ort to structure)	PREVIOUS (KY aero	onautical study #)
6.2 miles from Cat, 20-21, N/A					
DIRECTION (from neares	t Kentucky public	use or Military air	port to structure)		
Southeast to Cat. 20-21.				1	
DESCRIPTION OF LOCATI	•	S 7.5 minute quadr	angle map or an air	port layout drawing	with the precise site
marked and any certified					
TOPO Map is located on I	Page 4 of each FA	AA Determination			
DESCRIPTION OF PROPO			a and a second		na na ann an t-air
This filing is not for a stru					
of painted shperical mark					
FAA Form 7460-1 (Has th	-	struction or Altera	tion" been filed with	the Federal Aviatio	n Administration?)
☐ No ☐ Yes, when? 11/2/2012					
CERTIFICATION (I hereby		ne above entries, m	ade by me, are true	, complete, and corr	rect to the best of
my knowledge and belief.)					
PENALITIES (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 1	FITLE	SIGNATURE	1/	DATE	
Erica Cutler	Design Engineer	12		5/9/2013	
		Chairperson	KA7C		
COMMISSION ACTION	COMMISSION ACTION Administrator, KAZC				
Λ71 	10011 A	2 Administrati	with the second	DATE 6-27	-/3
	SIGNATURE	Ken		DAIL 6 27	, ,
□ Disapproved	140				
	17				



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-K20-2013-067

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.

John Houlihan Administrator





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

AERONAUTICIAL 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

The project () is abandoned. () is not abandoned.
 Construction status is as follows:

Construction status is as follows: Structure reached its greatest height of	fl. AGL (date).
Date construction was completed.	
Type of obstruction marking/painting.	
Type of obstruction lighting.	
As built coordinates.	
Miscellaneous Information.	
DATE	
SIGNATURE/TITLE	





TC 56-50 Rev. 07/2010 Page 2 of 2

KENTUCKY AIRPORT ZONING COMMISSION

APPLICANT (name)		PHONE	FAX	KY AERONAUTICA		
American Electric Power	r: John Edwards		540-562-7050		-2013-067	
ADDRESS (street)		CITY		STATE	ZIP	
P.O Box 2021		Roanoke	Y	VA	24022-2121	
APPLICANT'S REPRESEN			FAX			
POWER Engineers: Erica	Cutier	281-765-5541	281-765-5599	ar are	Tin	
ADDRESS (street)	Dlaviu Frisk	CITY		STATE	ZIP 77060	
509 North Sam Houston	New Construct	Houston	Turnet	TX		
APPLICATION FOR DURATION Perma		cion	☐ Existing days)	WORK SCHEDULE Start 4/15/2013 E		
TYPE Crane	Building	MARKING/PAINTIN			14 10/10/2014	
Antenna Tower	1 panama	· ·			White- high intensity	
	ater Tank		dium intensity white		igh intensity white	
	her		hperical Marker Ba		aga miceriory winte	
LATITUDE		LONGITUDE		DATUM NAC	083 NAD27	
37 ⁰ 18'48.21N"		83 ⁰ 10'35.88W"		Other		
NEAREST KENTUCKY		NEAREST KENTUCK	Y PUBLIC USE OR N	MILITARY AIRPORT	I bear and a second a second and a second an	
City Hazard County Perr	У	Wendell H. Ford Ali	port			
SITE ELEVATION (AMSL,	, feet)	TOTAL STRUCTURE	HEIGHT (AGL, feet	CURRENT (FAA ae	ronautical study #)	
1107		269		2012-ASO-10496-0	OE	
-	elevatio <mark>n plus to</mark> t	tal structure height, feet)		PREVIOUS (FAA as	eronautical study #)	
1376				N/A		
DISTANCE (from neares		cuse or Military airp	ort to structure)		onautical study #}	
6.2 miles from Cat. 23-24.						
DIRECTION (from nearest Kentucky public use or Military airport to structure)						
	Southeast to Cat. 23-24.					
DESCRIPTION OF LOCAT		GS 7.5 minute quadi	angle map or an ai	rport layout drawing	with the precise site	
marked and any certifie	-					
TOPO Map is located on Page 4 of each FAA Determination						
DESCRIPTION OF PROPOSAL						
		onint on a static wire	where it is the hig	htest AGI. This is a r	proposoal for the use	
This filing is not for a structure, but is a point on a static wire where it is the hightest AGL. This is a proposoal for the use of painted shperical 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?)						
No System 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.)						
PENALITIES (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	TITLE	SIGNATURE	1/	DATE		
Erica Cutler	Design Engineer	1 5 ~	-d()	5/9/2013		
Chairperson, KAZC						
COMMINISTON ACTION						
				-1.3		
Disapproved	/5					



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-K20-2013-068

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





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

AERONAUTICIAL 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 offt. AGLft. AMSL on(date).
	Date construction was completed,
	Type of obstruction marking/painting.
	Type of obstruction lighting,
	As built coordinates.
	Miscellaneous Information.
	DATE
	SIGNATURE/TITLE





TC 56-50 Rev. 07/2010 Page 2 of 2

KENTUCKY AIRPORT ZONING COMMISSION

APPLICANT (name)	To the second se	PHONE	FAX	KY AERONAUTICAL	STUDY#
American Electric Power	1		540-562-7050	A5-097-K20-	
ADDRESS (street)		CITY		STATE	ZIP
P.O Box 2021		Roanoke		VA	24022-2121
APPLICANT'S REPRESEN			FAX		
POWER Engineers: Erica		281-765-5541	281-765-5599		
ADDRESS (street)		CITY		STATE	ZIP
509 North Sam Houston	- 1	Houston		TX	77060
	New Constructi		Existing	WORK SCHEDULE	*** ***
DURATION Perma		orary (months	days)	Start 4/15/2013 En	d 10/16/2014
TYPE Crane			G/LIGHTING PREFE		**************************************
Antenna Tower					White- high intensity
	ter Tank	1	lium intensity white	- monage-	gh intensity white
Landfill Oth	ner		hperical Marker Ball	Manager 1	-
LATITUDE		LONGITUDE		DATUM NAD	83 NAD27
37 ⁰ 18′56.37N″	1	83 ⁰ 10'23.83W"		Other	· -
NEAREST KENTUCKY		NEAREST KENTUCK	Y PUBLIC USE OR M	ILITARY AIRPORT	***************************************
City Hazard County Perry	i	Wendell H. Ford Air			
SITE ELEVATION (AMSL,				CURRENT (FAA aer	onautical study #)
1124	* '	286	•	2012-ASO-10497-C	
OVERALL HEIGHT (site e	levation plus tota	al structure height,	feet)	PREVIOUS (FAA ae	ronautical study #)
1410				N/A	
DISTANCE (from nearest	Kentucky public	use or Military airp	ort to structure)	PREVIOUS (KY aero	onautical study #)
6.2 miles from Cat. 24-25. N/A					
DIRECTION (from neares	t Kentucky publi	c use or Military air	port to structure)		
Southeast to Cat. 24-25.					
DESCRIPTION OF LOCAT	ION (Attach USG	SS 7.5 minute quadr	angle map or an air	port layout drawing	with the precise site
marked and any certified		•	·	-	
TOPO Map Is located on Page 4 of each FAA Determination					
DESCRIPTION OF PROPOSAL					
This filing is not for a str					
of painted shperical mar		*			
FAA Form 7460-1 (Has to	he "Notice of Coi	nstruction or Altera	tion" been filed with	the Federal Aviation	n Administration?)
☐ No ☐ 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.)					
PENALITIES (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	TITLE	SIGNATURE	1/	DATE	
Erica Cutler	Design Engineer	2-	40	5/9/2013	
		Chairperson	KAZC		
COMMISSION ACTION No. 12 Administrator KAZC					
IX American	SIGNIATION (17/	way the tento	DATE 6-27-	-13
Section 2	SIGNATURE			DATE .	
Disapproved					



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 Rbanoke, 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





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

AERONAUTICIAL STUDY NUMBER: AS-097-K20-2013-069

AMERICAN ELECTRIC POWER AMERICAN ELECTRIC POWER P O Box 2010 Roanoke, VA 24022

This 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: LOCATION: COORDINATES: HEIGHT:	Power Line Hazard, KY 37° 19' 6.44" N / 83° 10' 1.74" W 312' AGL /1388'AMSL					
	ALTERATION STATUS is abandoned. () is not abandoned.					
ft.	its greatest height of ft. AGL AMSL on (date).					
	Date construction was completed. Type of obstruction marking/painting.					
Type of obstructi	ion lighting.					
As built coordina	As built coordinates.					
	formation.					
DATE						
SIGNATURE/TI						





TC 56-50 Rev. 07/2010 Page 2 of 2

KENTUCKY AIRPORT ZONING COMMISSION

APPLICANT (name)	PHONE	FAX	KY AERONAUTICAL STUDY #		
American Electric Power: John Edwa	ards 540-562-7118	540-562-7050	A5-097-K2U-203-069		
ADDRESS (street)	CITY		STATE ZIP		
P.O Box 2021	Roanoke		VA 24022-2121		
APPLICANT'S REPRESENTATIVE (na.	me) PHONE	FAX			
POWER Engineers: Erica Cutler	281-765-5541	281-765-5599			
ADDRESS (street)	CITY		STATE ZIP		
509 North Sam Houston Pkwy East	Houston		TX 77060		
APPLICATION FOR New Cons	truction	☐ Existing	WORK SCHEDULE		
DURATION Permanent	Temporary (months	days)	Start 4/15/2013 End 10/16/2014		
TYPE Crane Building	MARKING/PAINTIN	IG/LIGHTING PREFE	RRED		
Antenna Tower	Red Lights & Pa	int White-med	lum intensity White- high intensity		
Power Line	Dual- red & med	dium intensity white	Dual- red & high intensity white		
Landfill Other	Other Painted S	hperical Marker Ball	s		
LATITUDE	LONGITUDE		DATUM NAD83 NAD27		
37 ⁰ 19′06.44N"	83 ⁰ 10'01.74W"		Other		
NEAREST KENTUCKY	NEAREST KENTUCK	Y PUBLIC USE OR M	ILITARY AIRPORT		
City Hazard County Perry	Wendell H. Ford Air	rport			
SITE ELEVATION (AMSL, feet)	TOTAL STRUCTURE	HEIGHT (AGL, feet)	CURRENT (FAA aeronautical study #)		
1076	312		2012-ASO-10498-OE		
OVERALL HEIGHT (site elevation plu	is total structure height,	feet)	PREVIOUS (FAA aeronautical study #)		
1388			N/A		
DISTANCE (from nearest Kentucky p	DISTANCE (from nearest Kentucky public use or Military airport to structure) PREVIOUS (KY aeronautical study #)				
6.2 miles from Cat. 26-27.			N/A		
DIRECTION (from nearest Kentucky	DIRECTION (from nearest Kentucky public use or Military airport to structure)				
Southeast to Cat. 26-27.					
	h USGS 7.5 minute quadi	angle map or an air _l	port 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					
	-		itest AGL. This is a proposoal for the use		
of painted shperical marker balls or	the static wire of a spar	ı in the Bonnyman -	Softshell 138kV Circuit.		
FAA Form 7460-1 (Has the "Notice of	of Construction or Altera	tion" been filed with	the Federal Aviation Administration?)		
No ⊠ Yes, when? 11/2/2012	No ☐ No Yes, when? 11/2/2012				
CERTIFICATION (I hereby certify tha	t all the above entries, n	nade by me, are true,	, complete, and correct to the best of		
my knowledge and belief.)					
PENALITIES (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 TITLE	SIGNATURE	1/	DATE		
Erica Cutler Design Eng	1 /		5/9/2013		
COMMISSION ACTION Chairperson, KAZC Administrator, KAZC					
Approved SIGNATURI	Olin		DATE 6-27-13		
TT CITABLE CAPT					



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-K20-2013-070

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,





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

OWN LOW IND

AERONAUTICIAL 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:		
LOCATION:	Hazard, KY	
COORDINATES:	37° 19' 13.08" N / 83° 9' 45.79" W	
HEIGHT:	327' AGL/1466'AMSL	
	ALTERATION STATUS is abandoned. () is not abandoned.	
	l its greatest height of ft. AGL	
Diractare reactica	AMSL on (date).	
	(date).	
Date construction	n was completed.	
Type of obstructi	tion marking/painting.	·
Type of obstructi	ion lighting.	
As built coordina	áles.	
	nformation.	
SIGNATURE/TI		
DIGHT UKE/ [1166	





TC 56-50 Rev. 07/2010 Page 2 of 2

KENTUCKY AIRPORT ZONING COMMISSION

APPLICANT (name)	PHONE	FAX	KY AERONAUTICAL STUDY #		
American Electric Power: John Edward	ds 540-562-7118	540-562-7050	AS-097-K20-2013-070		
ADDRESS (street)	CITY		STATE ZIP		
P.O Box 2021	Roanoke		VA 24022-2121		
APPLICANT'S REPRESENTATIVE (nam	e) PHONE	FAX			
POWER Engineers: Erica Cutler	281-765-5541	281-765-5599			
ADDRESS (street)	CITY		STATE ZIP		
509 North Sam Houston Pkwy East	Houston		TX 77060		
APPLICATION FOR New Constr	uction 🔲 Alteration	Existing	WORK SCHEDULE		
	emporary (months	days)	Start 4/15/2013 End 10/16/2014		
TYPE Crane Building	1 '	NG/LIGHTING PREFE			
Antenna Tower	1 === -		lum intensity		
Power Line		dium intensity white			
Landfill Other		hperical Marker Ball			
LATITUDE	LONGITUDE		DATUM NAD83 NAD27		
37 ⁰ 19'13.08N"	83 ⁰ 09'45.79W"		Other Other		
NEAREST KENTUCKY		Y PUBLIC USE OR M	ILITARY AIRPORT		
City Hazard County Perry	Wendell H. Ford Ai		·		
SITE ELEVATION (AMSL, feet)	ł .	HEIGHT (AGL, feet)	CURRENT (FAA aeronautical study #)		
1139	327		2012-ASO-10499-OE		
OVERALL HEIGHT (site elevation plus	total structure height,	feet)	PREVIOUS (FAA aeronautical study #)		
1466			N/A		
DISTANCE (from nearest Kentucky pu	blic use or Military airp	oort to structure)	PREVIOUS (KY aeronautical study #)		
6.4 miles from Cat, 27-28.			N/A		
DIRECTION (from nearest Kentucky po	ıblic use or Military aiı	rport to structure)			
Southeast to Cat. 27-28.					
	JSGS 7,5 minute quadi	rangle map or an air _l	port layout drawing with the precise site		
marked and any certified survey.)	.l. maa maa				
TOPO Map is located on Page 4 of each	n FAA Determination				
DESCRIPTION OF PROPOSAL					
	a point on a static wir	a whara it is the high	itest AGL. This is a proposoal for the use		
of painted shperical marker balls on t					
	Construction or Aitera	tion" been jilea with	the Federal Aviation Administration?)		
	.11 41				
CERTIFICATION (I hereby certify that a	uii the above entries, n	naae by me, are true,	complete, and correct to the pest of		
my knowledge and belief.)					
PENALITIES (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.)					
		e willi FAA legulatioi			
NAME TITLE	SIGNATURE	11	DATE		
Erica Cutler Design Engine	eer		5/9/2013		
COMMISSION ACTION	Chairpersor				
	Administrat	ór, KAZC			
Approved SIGNATURE			DATE 6 27-13		
Disapproved	w				
1	7				



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: Pówer Line LOCATION: Hazard, KY

COORDINATES: 37° 19' 35,20" N / 83° 9' 19.04" W

HEIGHT: 240' AGL/1617'AM\$L

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.





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

AERONAUTICIAL 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.

21KOCTOKE:	Power Line	
LOCATION:	Hazard, KY	
COORDINATES:	37° 19' 35.20" N / 83° 9' 19.	04" W
HEIGHT:	240' AGL/1617'AMSL	
CONSTRUCTION/A	ALTERATION STATUS	
1. The project ()	is abandoned. () is not aba	ndoned.
2. Construction statu	ıs iş as follows:	
Structure reached	l its greatest height of	ft. AGL
	AMSL on	
Date construction	n was completed!.	
Type of obstruct	ion marking/painting.	

SIGNATURE/TITLE ____

Type of obstruction lighting.

As built coordinates.

Miscellaneous Information.

DATE____





TC 56-50 Rev. 07/2010 Page 2 of 2

KENTUCKY AIRPORT ZONING COMMISSION

APPUCANT (name)	PI	HONE	FAX	KY AERONAUTICA	L STUDY #
American Electric Power:			540-562-7050	AS-097-K20	-2013-071
ADDRESS (street)	CI	ΤY		STATE	ZIP
P.O Box 2021	Ro	oanoke		VA	24022-2121
APPLICANT'S REPRESENT	ATIVE (name) PI	HONE	FAX		······································
POWER Engineers; Erica (Cutier 28	81-765-5541	281-765-5599		
ADDRESS (street)	CI	TY	,	STATE	ZIP
509 North Sam Houston I	Pkwy East He	ouston		TX	77060
APPLICATION FOR 🛛	New Constructio	n Alteration	Existing	WORK SCHEDULE	
DURATION Perman	nent 🔲 Tempo	orary (months	days)	Start 4/15/2013 Er	nd 10/16/2014
TYPE Crane	Building M	JARKING/PAINTIN	ig/lighting prefei	RRED	
Antenna Tower		Red Lights & Pai	int White-med	ium intensity 🔲 🗎	White-high intensity
Power Line Wat	er Tank	Dual- red & med	lium intensity white	Dual- red & h	lgh intensity white
Landfill Oth	er 🗵	Other Painted S	hperical Marker Ball	S	
LATITUDE		ONGITUDE		DATUM NAC	83 NAD27
37 ⁰ 19'35.20N"	8	3 ⁰ 09'19.04W"		Other	
NEAREST KENTUCKY	1.1		Y PUBLIC USE OR M	ILITARY AIRPORT	
City Hazard County Perry		/endell H. Ford Air			
SITE ELEVATION (AMSL,)			HEIGHT (AGL, feet)		- ·
1377		40		2012-ASO-10500-OE	
OVERALL HEIGHT (site ele	evation plus total	structure height,	feet)	1	ronautical study #)
1617 N/A					· · · · · · · · · · · · · · · · · · ·
.	DISTANCE (from nearest Kentucky public use or Military airport to structure) PREVIOUS (KY aeronautical study #)				
6.5 miles from Cat. 30-31				N/A	
DIRECTION (from nearest	t Kentucky public	use or Military air	port to structure)		
Southeast to Cat. 30-31.				<u> </u>	
DESCRIPTION OF LOCATI		7,5 minute quadr	angle map or an airp	port layout drawing	with the precise site
marked and any certified		4 5 4 4			
TOPO Map is located on I	Page 4 of each FA	A Determination			
DESCRIPTION OF PROPOSAL					
This filing is not for a stru		int an a static wire	s whara it is tha bigh	stact ACI. This is a n	ranacaal fartha usa
of painted shperical mark			-	•	•
		· · · · · · · · · · · · · · · · · · ·			
FAA Form 7460-1 (Has th	•	struction or Aitera	tion" been jiled with	tne Federal Aviatia	n Aaministration?)
No Yes, when?	····				
CERTIFICATION (I hereby	• ,	e above entries, m	iaae by me, are true,	, complete, and cori	rect to the best of
my knowledge and belief	•	. uncannoca	02 000 1 002 1/45	000 1:11 61	Y
PENALITIES (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.)					
			With FAA regulation		ner penaities.)
	TITLE	SIGNATURE	116	DATE	
Erica Cutler C	Design Engineer		\mathcal{U}	5/9/2013	
COMMISSION ACTION		Chairpersor	r		
A KJAdministrator, KAZC					
Approved S	IGNATURE (in		DATE 6-2-	7-13
Disapproved	1410	-			
	//				



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-K20-2013-072

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.





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

AERONAUTICIAL 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:		
LOCATION:	Hazard, KY	
COORDINATES:	37° 19′ 43.79″ N / 83° 9′ 3.44″ W	
	262° AGL /1439° AMSL	
	ALTERATION STATUS	
1. The project () i	is abandoned. () is not abandoned.	
2. Construction statu	us is as follows:	
Structure reached	l its greatest height of ft. AGL	
ft.	. AMSL on (date).	
Date construction	n was completed.	
Type of obstructi	tion marking/painting,	
type at abstract	ion marking panning.	
Type of obstructi	tion lighting.	***************************************
As built coordina	ates.	
Miscellaneous In	nformation:	
DATE		
SIGNATURE/TI	TTI F	
JUNATURE I	I WAZ	





TC 56-50 Rev. 07/2010 Page 2 of 2

KENTUCKY AIRPORT ZONING COMMISSION

APPLICANT (name)	PH	IONE	FAX	KY AERONAUTICAL	STUDY#
American Electric Power: John	1		540-562-7050		-2013-077
ADDRESS (street)	CIT			STATE	ZIP
P.O Box 2021	i	anoke		VA	24022-2121
APPLICANT'S REPRESENTATIV		IONE	FAX		
POWER Engineers: Erica Cutle		1-765-5541	281-765-5599		
ADDRESS (street)	ci			STATE	ZIP
509 North Sam Houston Pkwy		buston	i	TX	77060
	Construction		Existing	WORK SCHEDULE	<u> </u>
DURATION Permanent		rary (months	days)	Start 4/15/2013 En	d 10/16/2014
TYPE Crane Build			G/LIGHTING PREFE	RRED	
Antenna Tower					Vhite-high intensity
Power Line Water Ta	ank		lium intensity white		
Landfill Other	1 ==	X	perical Marker Ball		
LATITUDE		NGITUDE		DATUM NAD	83 NAD27
37 ⁰ 19'43.79N"		⁰ 09'03.44W"		Other	Parameter S. C.
NEAREST KENTUCKY	NE	EAREST KENTUCK	Y PUBLIC USE OR M		<u></u>
City Hazard County Perry	- 1	endell H. Ford Air		,	
SITE ELEVATION (AMSL, feet)			HEIGHT (AGL, feet)	CURRENT (FAA aer	onautical study #)
1177	26			2012-ASO-10501-OE	
OVERALL HEIGHT (site elevati			feet)		ronautical study #)
1439	0., 6.00 .0.0.	21, 44to, 4 1.4.giv.)	,201,	N/A	
DISTANCE (from nearest Kent	ucky public u	se or Military aira	ort to structure)	PREVIOUS (KY aero	onautical study #)
6.5 miles from Cat. 31-32.		4. ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,	N/A	,,,,
DIRECTION (from nearest Ken	tucky public i	use or Military air	port to structure)		
Southeast to Cat. 31-32.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
DESCRIPTION OF LOCATION	Attach USGS	7.5 minute auadr	anale man or an airi	port lavout drawina	with the precise site
marked and any certified surv		, ,		, . , ,	
TOPO Map is located on Page		A Determination			
DESCRIPTION OF PROPOSAL					
This filing is not for a structur	e, but is a poi	int on a static wire	where it is the high	itest AGL. This is a p	roposoal for the use
of painted shperical marker b					
FAA Form 7460-1 (Has the "N					
☐ No X Yes, when? 11/2	-	() ((()))	.,		
CERTIFICATION (I hereby cert		e nhove entries m	ande hu me are true	complete, and corr	ect to the hest of
my knowledge and belief.)	gy that an the	c upove entries, in	nuce by me, are mue,	, compicie, and con	cat to the oust of
PENALITIES (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.)					
			With FAA regulation	DATE	ner penarites.
NAME TITLE		SIGNATORE	1.	5/9/2013	
Erica Cutler Desig	n Engineer	1 1,00	f 5	[3/3/2013	
COMMISSION ACTION		Chairpers or	, KAZC		
/ IX-Padministrator, KAZC					
Approved SIGN	ATURE /	1/2		DATE 6-27	7-13
Disapproved	M			• • •	
(L) Stocker (S)	!:/				



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-K20-2013-073

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.





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

AERONAUTICIAL 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.

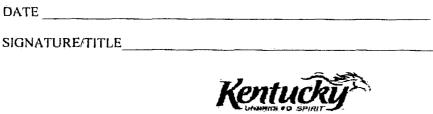
STRUCTURE; LOCATION: COORDINATES: HEIGHT:	Pówer Line Hazard, KY 37° 20' 2.90" N / 83° 8' 30 274' AGL /1357'AMSL).02" W	
	LTERATION STATUS s abandoned. () is not a	bandoned,	
	its greatest height of AMSL on		

Type of obstruction marking/painting.

Type of obstruction lighting.

As built coordinates.

Miscellaneous Information.





TC 56-50 Rev. 07/2010 Page 2 of 2

KENTUCKY AIRPORT ZONING COMMISSION

APPLICANT (name)	PHONE	FAX	KY AERONAUTICAL STUDY #		
American Electric Power: John Edwards	540-562-7118	540-562-7050	15-097-K20-2013-673		
ADDRESS (street)	CITY		STATE ZIP		
P.O Box 2021	Roanoke		VA 24022-2121		
APPLICANT'S REPRESENTATIVE (name)	PHONE	FAX			
POWER Engineers: Erica Cutler	281-765-5541	281-765-5599			
ADDRESS (street)	CITY		STATE ZIP		
509 North Sam Houston Pkwy East	Houston		TX 77060		
APPLICATION FOR New Construct	tion Alteration	Existing	WORK SCHEDULE		
DURATION Permanent Tem	porary (months	days)	Start 4/15/2013 End 10/16/2014		
TYPE Crane Building	MARKING/PAINTIN				
Antenna Tower	Red Lights & Pa	Int	lium intensity 🔲 White- high intensity		
Nower Line Water Tank	Dual- red & med	dium intensity white	Dual- red & high intensity white		
Landfill Other	Other Painted S	hperical Marker Bal	ls		
LATITUDE	LONGITUDE		DATUM NAD83 NAD27		
37 ⁰ 20′02.90N″	83 ⁰ 08'30.02W"		Other		
NEAREST KENTUCKY	NEAREST KENTUCK	Y PUBLIC USE OR N	IILITARY AIRPORT		
City Hazard County Perry	Wendell H. Ford Air	port			
SITE ELEVATION (AMSL, feet)	TOTAL STRUCTURE	HEIGHT (AGL, feet)	CURRENT (FAA aeronautical study #)		
1083	274		2012-ASO-10502-OE		
OVERALL HEIGHT (site elevation plus to	tal structure height,	feet)	PREVIOUS (FAA aeronautical study #)		
1357			N/A		
DISTANCE (from nearest Kentucky publi	c use or Military airp	ort to structure)	PREVIOUS (KY aeronautical study #)		
6.7 miles from Cat. 34-35.			N/A		
DIRECTION (from nearest Kentucky pub	lic use or Military air	port to structure)			
Southeast to Cat. 34-35.					
DESCRIPTION OF LOCATION (Attach US	GS 7.5 minute quadi	angle map or an air	port 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					
_	•		htest AGL. This is a proposoal for the use		
of painted shperical marker balls on the					
FAA Form 7460-1 (Has the "Notice of Co	onstruction or Altera	tion" been filed with	the Federal Aviation Administration?)		
No No Yes, when? 11/2/2012					
CERTIFICATION (I hereby certify that all	the above entries, n	nade by me, are true	, complete, and correct to the best of		
my knowledge and belief.)					
PENALITIES (Persons failing to comply w	ith KRS 183.861 to 1	183,990 and 602 KA	R 050 are liable for fines and/or		
imprisonment as set forth in KRS 183.99	10(3). Noncompliance	e with FAA regulation	ns may result in further penalties.)		
NAME TITLE	SIGNATURE	1/	DATE		
Erica Cutler Design Enginee	r 22	10	5/9/2013		
	Chairperson	KA7C			
COMMISSION ACTION Administrator, KAZC					
A man man					
編 パート・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・					
Disapproved 7					
<i>!</i> /					



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-K20-2013-074

STRUCTURE:

Power Line Hazard, KY

LOCATION:

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.





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

AERONAUTICIAL 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

1. The project () is abandoned. () is not abandoned.

HEIGHT: 215' AGL/1382'AMSL

CONSTRUCTION/ALTERATION STATUS

SIGNATURE/TITLE _____





TC 56-50 Rev. 07/2010 Page 2 of 2

KENTUCKY AIRPORT ZONING COMMISSION

APPLICANT (name)	77.00	PHONE	FAX	KY AERONAUTICAL	STUDY #
American Electric Powe	r: John Edwards	540-562-7118	540-562-7050	A5-097-K20	-2013-074
ADDRESS (street)		\$		STATE	ZIP
P.O Box 2021		Roanoke		VA	24022-2121
APPLICANT'S REPRESEN	STATIVE (name)	PHONE	FAX		
POWER Engineers: Erica	Cutler	281-765-5541	281-765-5599		
ADDRESS (street)		CITY		STATE	ZIP
509 North Sam Houston	Pkwy East	Houston		TX	77060
APPLICATION FOR	New Construct	ion 🔲 Alteration	Existing	WORK SCHEDULE	
DURATION Permi	anent 🔲 Tem	porary (months	days)	Start 4/15/2013 En	d 10/16/2014
TYPE Crane	Building	MARKING/PAINTIN	IG/LIGHTING PREFE	RRED	
Antenna Tower		Red Lights & Pai	nt White-med	ium intensity 🔲 W	Vhite-high intensity
	ater Tank	Dual- red & med	lium intensity white	Dual- red & hi	gh intensity white
Landfill Ot	her	Other Painted S	hperical Marker Ball	5	
LATITUDE		LONGITUDE		DATUM NAD	83 NAD27
37 ⁰ 20'10.52N"		83 ⁰ 08'16.05W"		Other	
NEAREST KENTUCKY		NEAREST KENTUCK	Y PUBLIC USE OR M	ILITARY AIRPORT	
City Hazard County Perr	v	Wendell H. Ford Air	port		
SITE ELEVATION (AMSL,	, feet)	TOTAL STRUCTURE	HEIGHT (AGL, feet)	CURRENT (FAA aer	onautical study #)
1167		215	,	2012-ASO-10503-OE	
OVERALL HEIGHT (site e	elevation plus tot	al structure height,	feet)	PREVIOUS (FAA ae	ronautical study #)
1382		•	·	N/A	- '
DISTANCE (from neares	t Kentucky public	use or Military airp	ort to structure)	PREVIOUS (KY aero	onautical study #)
6.9 miles from Cat. 35-36.					,
DIRECTION (from neare		ic use or Military air	port to structure)		
Southeast to Cat. 35-36			,,		
DESCRIPTION OF LOCA	TION (Attach USO	GS 7.5 minute auadr	anale map or an airi	port lavout drawina	with the precise site
marked and any certifie		•			
TOPO Map is located or	- ·	FAA Determination			
The state of the s					
DESCRIPTION OF PROP	OSAL				
This filing is not for a str	ructure, but is a p	oint on a static wire	e where it is the high	itest AGL. This is a pi	roposoal for the use
of painted shperical ma	rker balls on the	static wire of a spar	in the Bonnyman -	Softshell 138kV Circ	uit.
FAA Form 7460-1 (Has i	The state of the s				
☐ No ⊠ Yes, when?			.,	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
CERTIFICATION (I hereb		the above entries m	ande hy me are true	complete and corr	ect to the hest of
my knowledge and belie		the obore entries, in	idde by me, die mae,	, complete, and com	aut to the best of
, , , ,		ith KRS 183 861 to 1	83 990 and 602 KAR	NOSO are liable for fi	nes and/or
PENALITIES (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	TITLE	SIGNATURE	. Willi I AA TEGUIALIOI	DATE	ici penanes.)
Erica Cutler	Design Engineer	1 5	6	5/9/2013	
Liles Catlet	Design Engineer		<i>f</i>	3/3/2013	
COMMISSION ACTION		Chairperson	•		
	_	Administrat	or, KAZC		
	SIGNATURE/ /			DATE 6 - 27.	-13
Disapproved	bk	N			



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-K20-2013-075

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.





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

STRUCTURE.

AERONAUTICIAL STUDY NUMBER: AS-097-K20-2013-075

Power Line

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.

bires reita.	1 Office Diffic		
LOCATION:	Hazard, KY		
COORDINATES:	37° 20' 46.95" N / 83° 7' 40	0,52" W	
HEIGHT:	318' AGL/1199'AMSL		
	ALTERATION STATUS		
1. The project ()	is abandoned. () is not ab	andoned.	
	and the second second		
2. Construction statu		a a mai a	
	I its greatest height of		
	AMSL on	(date).	
	-1		
Date construction	n was completed,		
Type of obstruct	tion marking/painting.		<u> </u>
Ťroma a Palemaia sa	dan Batasan		
Type of obstruct	ion ugnung.		
As built coordin	álec		
As built cooldin	ates.		
Miscellaneous I	กร็อยทาสเรื่อง.		
DATE			
SIGNATURE/T	TTLE		





TC 56-50 Rev. 07/2010 Page 2 of 2

KENTUCKY AIRPORT ZONING COMMISSION

480104	Taucas:	Fav	IN APPARALLE	CHINY "	
APPLICANT (name)	PHONE	FAX	KY AERONAUTICAL		
American Electric Power: John Edwards		540-562-7050	45-097-K20-2013-075		
ADDRESS (street)	CITY	İ	1	ZIP	
P.O Box 2021	Roanoke	Trate	VA	24022-2121	
APPLICANT'S REPRESENTATIVE (name)	· 1	FAX		į	
POWER Engineers: Erica Cutler	281-765-5541	281-765-5599		Lin	
ADDRESS (street)	CITY		1	ZIP	
509 North Sam Houston Pkwy East	Houston		TX	77060	
APPLICATION FOR New Constru			WORK SCHEDULE	Janiar inna	
	nporary (months	days)	Start 4/15/2013 En	a 10/16/2014	
TYPE Crane Building		IG/LIGHTING PREFEI		Material Review	
Antenna Tower		int White-med			
Power Line Water Tank		dium Intensity white	Printered .	gh intensity white	
Landfill Other		hperical Marker Ball			
LATITUDE	LONGITUDE		DATUM NAD	83 NAD27	
37 ⁰ 20'46.95N"	83 ⁰ 07'40.52W"		Other Other		
NEAREST KENTUCKY		Y PUBLIC USE OR M	ILITARY AIRPORT		
City Hazard County Perry	Wendell H. Ford Air		-		
SITE ELEVATION (AMSL, feet)	į.	HEIGHT (AGL, feet)	CURRENT (FAA aer	• •	
881	318		2012-ASO-10504-0		
OVERALL HEIGHT (site elevation plus to	otal structure height,	feet)	PREVIOUS (FAA ae	ronautical study #)	
1199			N/A		
DISTANCE (from nearest Kentucky pub	lic use or Military air,	oort to structure)	PREVIOUS (KY aero	nautical study #)	
7.1 miles from Cat. 41-42.	1, 23	And and # = *	N/A		
DIRECTION (from nearest Kentucky put	onc use or Military aid	port to structure)			
East to Cat. 41-42.			1	AL AL	
DESCRIPTION OF LOCATION (Attach U	SGS 7.5 minute quad.	rangle map or an air _l	port layout drawing	with the precise site	
marked and any certified survey.)					
TOPO Map is located on Page 4 of each	n FAA Determination			i I	
DESCRIPTION OF BROCKS					
DESCRIPTION OF PROPOSAL This filling is not for a structure, but is a	majat an a static	a whara it in the high	stoct AGI Thin in	ronoscal for the use	
This filing is not for a structure, but is a					
of painted shperical marker balls on th					
FAA Form 7460-1 (Has the "Notice of C	Construction or Altera	tion" been filed with	the Federal Aviation	n Administration?)	
☐ No X Yes, when? 11/2/2012					
CERTIFICATION (I hereby certify that a	II the above entries, r	nade by me, are true	, complete, and corr	ect to the best of	
my knowledge and belief.)				.,	
PENALITIES (Persons failing to comply					
imprisonment as set forth in KRS 183.990(3). Noncompliance with FAA regulations may result in further penalties.)					
NAME TITLE	SIGNATURE	1/	DATE		
Erica Cutler Design Engine	er 2n	100	5/9/2013		
COMMISSION ACTION	Chairperson				
Approved SIGNATURE	7/2		DATE 6 - 27	-13	
Disapproved	gr		·		
The second secon	/				



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-K20-2013-076

STRUCTURE:

Power Line Hazard, KY

LOCATION:

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.





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

AERONAUTICIAL STUDY NUMBER: AS-097-K20-2013-076

AMERICAN ELECTRIC POWER AMERICAN ELECTRIC POWER P O Box 2010 Roanoke, VA 24022

SIGNATURE/TITLE

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/A 1. The project () is 2. Construction status structure reached ft.	ALTERATION STATUS is abandoned. () is not abandoned.	
Type of obstructi	ion marking/painting.	
Type of obstructi	ion lighting.	
As built coordina	atęs.	
Miscellaneous In	nformation.	
DATE		





TC 56-50 Rev. 07/2010 Page 2 of 2

KENTUCKY AIRPORT ZONING COMMISSION

APPLICANT (name)	Ph	IONE	FAX	KY AERONAUTICAL	STUDY#
American Electric Power: Joi	n Edwards 54	0-562-7118	540-562-7050	48-097-K20	-2013-076
ADDRESS (street)	CI	ΤY		STATE	ZIP
P.O Box 2021	Ro			VA	24022-2121
APPLICANT'S REPRESENTAT	IVE (name) Ph	IONE	FAX		
POWER Engineers: Erica Cut	ler 28	31-765-5541	281-765-5599		
ADDRESS (street)		TY		STATE	ZIP
509 North Sam Houston Pkw		ouston		TX	77060
	w Construction		Existing	WORK SCHEDULE	
DURATION Permanen		rary (months	days)	Start 4/15/2013 En	d 10/16/2014
	iding M		G/LIGHTING PREFER		
Antenna Tower	<u> </u>			um intensity White- high intensity	
Power Line Water			ium intensity white		gh intensity white
Landfill Other		Other Painted SI	perical Marker Balls		
LATITUDE	1	NGITUDE		DATUM NAD	33 🔲 NAD27
37 ⁰ 20′55.74N"		3 ⁰ 07'31.98W"		Other	
NEAREST KENTUCKY	1		Y PUBLIC USE OR MI	LITARY AIRPORT	
City Hazard County Perry		endell H. Ford Air			
SITE ELEVATION (AMSL, feet	• ,	the state of the s	HEIGHT (AGL, feet)	CURRENT (FAA aer	
956	24			2012-ASO-10505-OE	
OVERALL HEIGHT (site elevation plus total structure height, feet) PREVIOUS (FAA aeronautical study f				onautical study #)	
1204 N/A					
DISTANCE (from nearest Kentucky public use or Military airport to structure) PREVIOUS (KY aeronautical study #)					
7.3 miles from Cat. 42-43. N/A					
DIRECTION (from nearest Kentucky public use or Military airport to structure)					
East to Cat. 42-43.					
DESCRIPTION OF LOCATION (Attach USGS 7.5 minute quadrangle map or an airport layout drawing with the precise site					
marked and any certified sur					
TOPO Map is located on Page 4 of each FAA Determination					
DESCRIPTION OF PROPOSAL					
DESCRIPTION OF PROPOSAL This filing is not for a structure, but is a point on a static wire where it is the hightest AGL. This is a proposoal for the use					
of painted shperical marker	• .			-	•
FAA Form 7460-1 (Has the "		truction or Aiterat	ion" been filed with	the Federal Aviation	Administrațion /)
☐ No ☐ Yes, when? 11/					
CERTIFICATION (I hereby cer	tify that all the	e above entries, m	ade by me, are true,	complete, and corre	ect to the best of
my knowledge and belief.)					
PENALITIES (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 TITL		SIGNATURE	1.	DATE	
Erica Cutler Desi	gn Engineer	1 cm		5/9/2013	
COMMISSION ACTION Chairperson, KAZC Administrator, KAZC					
Approved SIGN	IATU6E	Ψ_1 · ΜΠΠΠΙΟΙΙ αΙΙ		DATE 6-27-	-/7
	NATURE 1			DAIL W	
Disapproved	-/				



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-K20-2013-077

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



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

AERONAUTICIAL 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





TC 56-50 Rev. 07/2010 Page 2 of 2

KENTUCKY AIRPORT ZONING COMMISSION

APPLICANT (name)	PHONE		KY AERONAUTICAL	· ·		
American Electric Power: John Edwards			AS-060-KZU-ZUI3-077			
ADDRESS (street)			STATE	ZIP		
P.O Box 2021	Roanoke		VA	24022-2121		
APPLICANT'S REPRESENTATIVE (name)		FAX		į		
POWER Engineers: Erica Cutler	281-765-5541	281-765-5599				
ADDRESS (street)	CITY		STATE	ZIP		
509 North Sam Houston Pkwy East	Houston	Houston		77060		
APPLICATION FOR New Construct			WORK SCHEDULE			
	porary (months	days)	Start 4/15/2013 En	d 10/16/2014		
TYPE Crane Bullding		IG/LIGHTING PREFEI				
Antenna Tower		Int White-medi				
Power Line	1	dium intensity white		gh intensity white		
Landfill Other		hperical Marker Ball				
LATITUDE	LONGITUDE	· · · · · · · · · · · · · · · · · · ·	DATUM NAD	83 🔲 NAD27		
37 ⁰ 21′57.92N"	83°06′17.47W"		Other			
NEAREST KENTUCKY		Y PUBLIC USE OR M	ILITARY AIRPORT			
City Hindman County Knott	Wendell H. Ford Ali					
SITE ELEVATION (AMSL, feet)	1	HEIGHT (AGL, feet)	1			
955	349	*	2012-ASO-10506-C			
OVERALL HEIGHT (site elevation plus to	tal structure height,	feet)	1	ronautical study #)		
1304			N/A			
DISTANCE (from nearest Kentucky publi	c use or Military airp	ort to structure)	PREVIOUS (KY aero	onautical study #)		
8.1 miles from Cat. 52-53.			N/A			
DIRECTION (from nearest Kentucky pub	lic use or Military air	port to structure)				
East to Cat, 52-53.			<u></u>			
DESCRIPTION OF LOCATION (Attach US	GS 7.5 minute quadi	angle map or an air	port 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						
of painted shperical marker balls on the	static wire of a span	n in the Bonnyman -	Softshell 138kV Circ	uit.		
FAA Form 7460-1 (Has the "Notice of Co	onstruction or Altera	tion" been filed with	the Federal Aviation	n Administration?)		
☐ No		-				
CERTIFICATION (I hereby certify that all	the above entries, n	nade by me, are true	, complete, and corr	ect to the best of		
my knowledge and belief.)						
PENALITIES (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.)						
NAME TITLE	SIGNATURE	10	DATE			
Erica Cutler Design Enginee		10	5/9/2013			
	Chairpersø		<u> </u>	· · · · · · · · · · · · · · · · · · ·		
COMMISSION ACTION	Administrat					
Approved SIGNATURE	He		DATE 6-27-	-13		
Disapproved /	1 -					



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-K20-2013-078

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.





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

AERONAUTICIAL 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

1. The project () is abandoned. () is not abandoned.

SIGNATURE/TITLE____

HEIGHT: 316' AGL /1280'AMSL

CONSTRUCTION/ALTERATION STATUS





TC 56-50 Rev. 07/2010 Page 2 of 2

KENTUCKY AIRPORT ZONING COMMISSION

APPLICANT (name)	PHONE	FAX	KY AERONAUTIC			
American Electric Power: John Edward		540-562-7050	**************************************	0-2013-078		
ADDRESS (street)	CITY		STATE	ZIP		
P.O Box 2021	Roanoke	1	VA	24022-2121		
APPLICANT'S REPRESENTATIVE (name	' [FAX				
POWER Engineers: Erica Cutler	281-765-5541	281-765-5599				
ADDRESS (street)	CITY		STATE	ZIP		
509 North Sam Houston Pkwy East	Houston		TX	77060		
APPLICATION FOR ⊠ New Constru DURATION Permanent Ter	ction	n	1	WORK SCHEDULE Start 4/15/2013 End 10/16/2014		
TYPE Crane Building				THU TO LTO L COLTA		
Antenna Tower		MARKING/PAINTING/LIGHTING PREFERRED Red Lights & Paint White- medium intensity White- high intensity				
Power Line Water Tank		dium intensity white	-	high intensity white		
Landfill Other		Shperical Marker Bal		complementary white		
LATITUDE	LONGITUDE	-2. E. m. r. m. m. r. r. m. d. 2. m. b. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10	DATUM N	AD83 NAD27		
37 ⁰ 22′04.12N″	83°05′17.66W"		Other			
NEAREST KENTUCKY		(Y PUBLIC USE OR IV				
City Hindman County Knott	Wendell H. Ford Ai					
SITE ELEVATION (AMSL, feet)			CURRENT (FAA	aeronautical study #)		
964	316	,	2012-ASO-1050	- · · · · · · · · · · · · · · · · · · ·		
OVERALL HEIGHT (site elevation plus t	otal structure height,	<u> </u>		PREVIOUS (FAA aeronautical study #)		
1280			N/A			
DISTANCE (from nearest Kentucky pub	lic use or Military air	oort to structure)	PREVIOUS (KY a	eronautical study #)		
8.9 miles from Cat. 57-58.			N/A			
DIRECTION (from nearest Kentucky pu	blic use or Military ai	rport to structure)				
East to Cat. 57-58.						
DESCRIPTION OF LOCATION (Attach U	SGS 7.5 minute quad	rangle map or an air	port layout drawi	ng with the precise site		
marked and any certified survey.)						
TOPO Map is located on Page 4 of each	n FAA Determination					
DESCRIPTION OF RECOGNI						
DESCRIPTION OF PROPOSAL This filing is not for a structure, but is:	ngint on a chatic wit	a whore it is the his	ntact ACI Thin in	a nranacaal for the		
This filing is not for a structure, but is a of painted shperical marker balls on th	•					
FAA Form 7460-1 (Has the "Notice of (onstruction or Altero	ition" been filed with	tne Federal Avia	tion Administration?)		
No Yes, when? 11/2/2012	// // // // // // // // // // // // //			august to the least of		
CERTIFICATION (I hereby certify that a	ıı tne apove entries, r	naae by me, are true	, complete, and c	orrect to the best of		
my knowledge and belief.)						
PENALITIES (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 TITLE	SIGNATURE	1/6	DATE			
Erica Cutler Design Engine	er _ GA		5/9/2013			
COMMISSION ACTION	Chairperso	, -				
	Administra 🗡	tor, KAZC				
Approved SIGNATURE			DATE 6 7	7-13		
Disapproved	N					
- in the second						



STEVEN BESHEAR

Governor

90 Airport Road, Bldg 400 Frankfort, KY 40601 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.





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

AERONAUTICIAL STUDY NUMBER: AS-060-K20-2013-079

AMÉRICAN ÉLECTRIC 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:			
LOCATION:	Hindman, KY 37° 22' 6.40" N / 83° 4' 31.60		
COORDINATES:	37° 22' 6.40" N / 83° 4' 31.60)" W	
HEIGHT:	212' AGL/1421'AMSL		
CONSTRUCTION/A	ALTERATION STATUS		
1. The project ()	is abandoned. () is not aban	doned.	
2. Construction state	us is as follows:		
Structure reached	d its greatest height of	ft. AGL	
ft	. AMSL on	(date).	
Date construction	on was completed.		
Type of obstruct	tion marking/painting.		
Type of obstruct	tion lighting.		
As built coordin	ates		
Miscellaneous I	nformation.		
SIGNATURE/T	TTLE		





TC 56-50 Rev. 07/2010 Page 2 of 2

KENTUCKY AIRPORT ZONING COMMISSION

APPLICANT (name)	PHONE	FAX	KY AERONAUTICAL			
American Electric Power: John Edwards	540-562-7118 540-562-7050		AS-060-K20-2013-079			
ADDRESS (street)	CITY		STATE	ZIP		
P.O Box 2021	Roanoke		VA	24022-2121		
APPLICANT'S REPRESENTATIVE (name)	PHONE	FAX				
POWER Engineers: Erica Cutler	281-765-5541	281-765-5599				
ADDRESS (street)			STATE	ZIP		
509 North Sam Houston Pkwy East	Houston		TX	77060		
APPLICATION FOR New Construc	tion Alteration Existing		WORK SCHEDULE			
DURATION Permanent Ten	porary (months	days)	Start 4/15/2013 End 10/16/2014			
TYPE Crane Building	MARKING/PAINTIN	MARKING/PAINTING/LIGHTING PREFERRED				
Antenna Tower	Red Lights & Paint White- medium intensity White- high intensity					
🔀 Power Line 🔲 Water Tank	Dual- red & me	dium intensity white	Dual- red & hi	gh intensity white		
Landfill Other	Other Painted S	hperical Marker Balls	s			
LATITUDE	LONGITUDE		DATUM 🛭 NAD	83 NAD27		
37 ⁰ 22'06.40N"	83 ⁰ 04'31.60W"		Other			
NEAREST KENTUCKY		Y PUBLIC USE OR M	ILITARY AIRPORT			
City Hindman County Knott	Wendell H. Ford Ai					
SITE ELEVATION (AMSL, feet)	1	HEIGHT (AGL, feet)	CURRENT (FAA aeronautical study #)			
1209	212		2012-ASO-10508-OE			
OVERALL HEIGHT (site elevation plus to	tal structure height, feet)		PREVIOUS (FAA aeronautical study #)			
1421			N/A			
DISTANCE (from nearest Kentucky publ	ic use or Military airp	oort to structure)	PREVIOUS (KY aeronautical study #)			
9.7 miles from Cat. 61-62. N/A						
DIRECTION (from nearest Kentucky pub	lic use or Military air	rport to structure)				
East to Cat. 61-62.			<u> </u>			
DESCRIPTION OF LOCATION (Attach US	GS 7.5 minute quadi	rangle map or an air _l	oort 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						
DESCRIPTION OF PROPOSAL		b	took ACI This is a m	ranaraal fambles		
This filing is not for a structure, but is a						
of painted shperical marker balls on the						
FAA Form 7460-1 (Has the "Notice of C	onstruction or Altera	ition" been filed with	the Federal Aviation	n Administration?)		
No ⊠ Yes, when? 11/2/2012						
CERTIFICATION (I hereby certify that all	I the above entries, n	nade by me, are true	, complete, and corr	ect to the best of		
my knowledge and belief.)						
PENALITIES (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 TITLE	SIGNATURE	1./	DATE			
Erica Cutler Design Enginee	er (5/9/2013	A		
Chairperson, KAZC						
COMMISSION ACTION	Administrat					
Approved SIGNATURE) 7		DATE 6 28	-17		
Disapproved	kr		6 -0	•		
T Desarbuoren / 04	`					



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



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

2.

AERONAUTICIAL 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.

Construction status is as follows: Structure reached its greatest height offt. AGLft. (date).
Date construction was completed.
Type of obstruction marking/painting.
Type of obstruction lighting.
As built coordinates.
Miscellaneous Information.
DATE
SIGNATURE/TITLE





TC 56-50 Rev. 07/2010 Page 2 of 2

KENTUCKY AIRPORT ZONING COMMISSION

APPLICANT (name)	PI	IONE	FAX	KY AERONAUTICAL	. STUDY #
American Electric Power: John Ed	lwards 54	10-562-7118	540-562-7050	115-060-KZO	-2013-080
ADDRESS (street)	CI			STATE	ZIP
P.O Box 2021		panoke		VA	24022-2121
APPLICANT'S REPRESENTATIVE (name) Pl	HONE	FAX		
POWER Engineers: Erica Cutler	28	31-765-5541	281-765-5599		
ADDRESS (street)	CI	1		STATE	ZIP
509 North Sam Houston Pkwy Ea		Houston		TX	77060
APPLICATION FOR New Co	nstructio	tion Alteration Existing		WORK SCHEDULE	
DURATION Permanent		porary (months days)		Start 4/15/2013 End 10/16/2014	
TYPE Crane Building	M	ARKING/PAINTIN	G/LIGHTING PREFE	RRED	
Antenna Tower		Red Lights & Pai	nt White-med	ium intensity 🔲 V	Vhite-high intensity
Power Line Water Tank		Dual- red & med	lium intensity white	Dual- red & hi	igh intensity white
Landfill Other	\S	Other Painted S	hperical Marker Ball		
LATITUDE	LC	ONGITUDE		DATUM NAD	83 NAD27
37 ⁰ 22'11.46N"	83	3 ⁰ 04'16.19W"		Other	
NEAREST KENTUCKY	N	EAREST KENTUCK	Y PUBLIC USE OR M	ILITARY AIRPORT	
City Hindman County Knott	w	endell H. Ford Air	port		
SITE ELEVATION (AMSL, feet)	TO	OTAL STRUCTURE	HEIGHT (AGL, feet)	CURRENT (FAA aei	onautical study #)
1052	30	03		2012-ASO-10509-OE	
OVERALL HEIGHT (site elevation	plus total	structure height,	feet)	PREVIOUS (FAA ae	ronautical study #)
1355 N/A					
DISTANCE (from nearest Kentuck	DISTANCE (from nearest Kentucky public use or Military airport to structure) PREVIOUS (KY aeronautical study #)				onautical study #)
9.9 miles from Cat. 62-63. N/A					
DIRECTION (from nearest Kentucky public use or Military airport to structure)					
East to Cat. 62-63.	· ·				
DESCRIPTION OF LOCATION (Att		7.5 minute quadr	angle map or an air	port layout drawing	with the precise site
marked and any certified survey.					
TOPO Map is located on Page 4 of each FAA Determination					
DESCRIPTION OF BROBOSAL					
DESCRIPTION OF PROPOSAL This filing is not for a structure, but is a point on a static wire where it is the hightest AGL. This is a proposoal for the use					
of painted shperical marker balls					
FAA Form 7460-1 (Has the "Notic		truction or Altera	tion" been filed with	the Federal Aviation	n Administration?)
No ⊠ Yes, when? 11/2/20			·		
CERTIFICATION (I hereby certify t	hat all the	e above entries, m	ade by me, are true	, complete, and corr	ect to the best of
my knowledge and belief.)					
PENALITIES (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 TITLE		SIGNATURE	1 /	DATE	
Erica Cutler Design E	ngineer	17-1		5/9/2013	
COMMISSION ACTION Chairperson, KAZC					
		Administrat	or, KAZC		
Approved SIGNATU	IRE			DATE 6-27-	-13
Disapproved	M	10 -			
	/ /				



STEVEN BESHEAR

Governor

90 Airport Road, Bldg 400 Frankfort, KY 40601 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.





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

STRUCTURE:

AERONAUTICIAL STUDY NUMBER: AS-060-K20-2013-081

Power Line

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.

LOCATION:	Hindman, KY
COORDINATES:	37° 22' 21.72" N / 83° 3' 52.70" W
	237' AGL/(328'AMSL
	ALTERATION STATUS
1. The project () i	s abandoned. () is not abandoned.
2. Companientine atate	a in an Callacca.
2. Construction statu	its greatest height of ft. AGL
A Cache	AMSL on (date).
464	(dute).
Date construction	n was completed.
Type of obstructi	ion marking/painting.
Trump of Code admiral	ton Bulatino
Type of obstructi	ion lighting.
As built coordina	ites.
. to dance out and	
Miscellaneous In	formation.
DATE	
OLONI LATITUDO POR	int of
SIGNATURE/TI	TLE





TC 56-50 Rev. 07/2010 Page 2 of 2

KENTUCKY AIRPORT ZONING COMMISSION

<u> </u>						
APPLICANT (name)	1	PHONE	FAX	KY AERONAUTICA		
American Electric Power	: John Edwards	540-562-7118	540-562-7050	PS-060-KZG	0-2013-081	
ADDRESS (street)		CITY		STATE	ZIP	
P.O Box 2021		Roanoke		VA	24022-2121	
APPLICANT'S REPRESEN	TATIVE (name)	PHONE	FAX			
POWER Engineers: Erica	Cutler	281-765-5541	281-765-5599			
ADDRESS (street)		CITY		STATE	ZIP	
509 North Sam Houston		Houston		TX	77060	
APPLICATION FOR	New Construct			WORK SCHEDULE		
DURATION Perma	nent Tem	porary (months	days)	Start 4/15/2013 End 10/16/2014		
TYPE Crane	Building	MARKING/PAINTIN	IG/LIGHTING PREFE	RRED		
Antenna Tower		Red Lights & Pai	nt White-med	lium intensity 🔲	White-high intensity	
🛛 Power Line 🔲 Wa	ter Tank	Dual- red & med	lium intensity white	Dual-red & l	nigh intensity white	
Landfill Oth	ner	Other Painted S	hperical Marker Bal	ls	•	
LATITUDE		LONGITUDE	<u> </u>	DATUM NA	D83 NAD27	
37 ⁰ 22'21.72N"		83 ⁰ 03′52.70W"		Other	•	
NEAREST KENTUCKY		NEAREST KENTUCK	Y PUBLIC USE OR M	ILITARY AIRPORT		
City Hindman County Kn		Wendell H. Ford Air				
SITE ELEVATION (AMSL,			HEIGHT (AGL, feet)	CURRENT (FAA ge	ronautical study #)	
1091	•	237		2012-ASO-10510-OE		
OVERALL HEIGHT (site e	levation plus tot	al structure heiaht.	feet)		eronautical study #)	
1328			, ,	N/A		
	Kentucky public	use or Military airo	ort to structure)		ronautical study #)	
DISTANCE (from nearest Kentucky public use or Military airport to structure) PREVIOUS (KY aeronautical study 10.3 miles from Cat. 64-65.				omania (ordoy m		
		ic use or Military air	port to structure)			
East to Cat. 64-65.	DIRECTION (from nearest Kentucky public use or Military airport to structure) Fast to Cat. 64-65					
	ION (Attach US)	SS 7 5 minute quadr	anale man or an air	nort lavout drawing	with the precise site	
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						
The state of the s						
DESCRIPTION OF PROPO	SAL		·			
This filing is not for a structure, but is a point on a static wire where it is the hightest AGL. This is a proposoal for the use						
of painted shperical mar						
FAA Form 7460-1 (Has ti						
☐ No ⊠ Yes, when?		istraction of Altera	don been jueu wid	i the reactal Aviatio	ni Administration) j	
CERTIFICATION (I hereby		the above entries or	ada huma ara trus	complete and sor	ract to the best of	
my knowledge and belief		uie ubove entries, iii	idue by me, die true	, complete, and col	rect to the best of	
PENALITIES (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.)						
			with FAA regulatio		ther penalties.)	
1	TITLE	SIGNATURE		DATE		
Erica Cutler	Design Engineer			5/9/2013		
COMMISSION ACTION Chairperson, KAZC Administrator, KAZC						
Approved :	SIGNATURE	Wen .		DATE 6-28	-/3	



STEVEN BESHEAR

Governor

90 Airport Road, Bldg 400 Frankfort, KY 40601 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,





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.

STRUCTURE:

AERONAUTICIAL STUDY NUMBER: AS-060-K20-2013-082

Power Line

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.

LOCATION:	Hindman, KY				
COORDINATES:	37° 22' 39.15" N / 83° 3' 38.08" W				
HEIGHT: 201' AGL/1429'AMSL					
CONSTRUCTION/A	ALTERATION STATUS				
	is abandoned. () is not abandoned.				
2. Construction state	us is as follows:				
	d its greatest height of ft. AGL				
	AMSL on (date).				
	on was completed.				
Type of obstruct	tion marking/painting,				
Type of obstruct	tion lighting.				
	natės;				
Và quit cooldii	inco.				
Miscellaneous I	nformation.				
DATE					
SIGNATURE/T	TITI E				





TC 56-50 Rev. 07/2010 Page 2 of 2

KENTUCKY AIRPORT ZONING COMMISSION

APPLICANT (name)	PHONE	FAX	1	TICAL STUDY #	
American Electric Power: John Edv	vards 540-562-7118	3 540-562-7050	1 AS-060-K	20-20/3-082	
ADDRESS (street)	CITY		STATE	ZIP	
P.O Box 2021	Roanoke		VA	24022-2121	
APPLICANT'S REPRESENTATIVE (n	ame) PHONE	FAX			
POWER Engineers: Erica Cutler	281-765-554	1 281-765-5599			
ADDRESS (street)	CITY		STATE	ZIP	
509 North Sam Houston Pkwy East	Houston		TX	77060	
APPLICATION FOR New Con	struction Alte	ration Existing	WORK SCHED	ULE	
DURATION Permanent	Temporary (monti		1	13 End 10/16/2014	
TYPE Crane Building		AINTING/LIGHTING P			
Antenna Tower				White-high Intensity	
Power Line Water Tank	-	& medium intensity		& high intensity white	
Landfill Other		nted Shperical Marke		Tan / II gir till a said for the said for th	
LATITUDE	LONGITUDE			NAD83 NAD27	
37 ⁰ 22′39.15N″	83°03'38.08V	\ "	Other	MADOS MADE!	
NEAREST KENTUCKY		TUCKY PUBLIC USE		DT	
City Hindman County Knott	Wendell H. Fo		ON WILLIAM AIMEO	131	
SITE ELEVATION (AMSL, feet)		TURE HEIGHT (AGL,	fact) CURRENT (EA	A aeronautical study #)	
1228	201	TORE HEIGHT (AGL)	2012-ASO-10		
OVERALL HEIGHT (site elevation p		aimht fant)		PREVIOUS (FAA aeronautical study #)	
1429	ius totai structure n	eigiit, jeetj	N/A	AA derondutical study #)	
DISTANCE (from nearest Kentucky public use or Military airport to structure) PREVIOUS (KY aeronautical stu				Y aeronautical study #\	
			N/A		
DIRECTION (from nearest Kentuck	v public use or Milit	ary airport to structu			
East to Cat. 68-69.					
DESCRIPTION OF LOCATION (Atta	ch USGS 7.5 minute	auadranale map or i	an airport lavout dra	wing with the precise site	
marked and any certified survey.)		dence in Big make at		mile mile the preside site	
TOPO Map is located on Page 4 of each FAA Determination					
DESCRIPTION OF PROPOSAL					
This filing is not for a structure, bu	t is a point on a stat	ic wire where it is th	e hightest AGL. This	is a proposoal for the use	
of painted shperical marker balls of					
FAA Form 7460-1 (Has the "Notice					
☐ No X Yes, when? 11/2/201	-	Alteration been just	I WILLI LITE FEUERULAV	iation Auministrationry	
			- t	J	
CERTIFICATION (I hereby certify th	at all the above ent	ries, maae by me, ard	e true, compiete, and	i correct to the best of	
my knowledge and belief.)		C4 +- 402 000 1 00	NA KAR 050 11-1-1-	f . ft	
PENALITIES (Persons failing to con	• •				
Imprisonment as set forth in KRS 1) Jurtner penaities.)	
NAME TITLE	SIGNATU	RE //A	DATE		
Erica Cutler Design En	gineer	19(5	5/9/2013		
COMMISSION ACTION	Chair	person, KAZC			
CONTRAINSTON ACTION	[∑ Admir	nistratof, KAZC			
Approved SIGNATUR	RE/	,	DATE (-	28-13	
Disapproved	7.W/		(₄ ,	· w ·	
	DI		<u> </u>		
	1/				



STEVEN BESHEAR Governor 90 Airport Road, Bldg 400 Frankfort, KY 40601 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.





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

AERONAUTICIAL 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: LOCATION: COORDINATES: HEIGHT:	Power Line Hindman, KY 37° 22' 45.82" N / 83° 3' 29. 255' AGL /1481'AMSL	.16" W
	LTERATION STATUS sabandoned. () is not aba	ındoned.
	s is as follows: its greatest height of AMSL on was completed	
Type of obstruction	on marking/painting	

SIGNATURE/TITLE____

Type of obstruction lighting.

As built coordinates.

Miscellaneous Information.

DATE





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KENTUCKY AIRPORT ZONING COMMISSION

APPLICANT (name)	PHONE	FAX	KY AERONAUTICAL	STUDY#	
American Electric Power: John Edwards			A5-060-1620-	-2013-083	
ADDRESS (street)	CITY	(ZIP	
P.O Box 2021	Roanoke		VA	24022-2121	
	PHONE	FAX		A	
POWER Engineers: Erica Cutler	281-765-5541	281-765-5599			
ADDRESS (street)	CITY	<u></u>	STATE	ZIP	
509 North Sam Houston Pkwy East	Houston		TX 77060		
APPLICATION FOR New Construct		Existing	WORK SCHEDULE	WORK SCHEDULE	
	porary (months	days)	Start 4/15/2013 En	d 10/16/2014	
TYPE Crane Building	MARKING/PAINTIN	G/LIGHTING PREFER	RRED		
Antenna Tower				Vhite-high intensity	
Power Line Water Tank	Dual- red & med	lium intensity white	Dual- red & hi	gh intensity white	
Landfill Other	- Contraction -	hperical Marker Ball		!	
LATITUDE	LONGITUDE		DATUM NAD	83 NAD27	
37 ⁰ 22'45.82N"	83 ⁰ 03'29.16W"		Other		
NEAREST KENTUCKY	NEAREST KENTUCK	Y PUBLIC USE OR M	ILITARY AIRPORT		
City Hindman County Knott	Wendell H. Ford Air	port			
SITE ELEVATION (AMSL, feet)	TOTAL STRUCTURE	HEIGHT (AGL, feet)	CURRENT (FAA aer	onautical study #)	
1226	255		2012-ASO-10512-OE		
OVERALL HEIGHT (site elevation plus to	tal structure height,	feet)	PREVIOUS (FAA ae	ronautical study #)	
1481			N/A		
DISTANCE (from nearest Kentucky public use or Military airport to structure)			PREVIOUS (KY aero	onautical study #)	
10.6 miles from Cat. 69-70.			N/A		
DIRECTION (from nearest Kentucky public use or Military airport to structure)					
East to Cat. 69-70.					
DESCRIPTION OF LOCATION (Attach US	GS 7.5 minute quadi	angle map or an airp	port 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 hightest AGL. This is a proposoal for the use					
of painted shperical marker balls on the					
FAA Form 7460-1 (Has the "Notice of Co	onstruction or Altera	tion" been filed with	the Federal Aviation	n Administration?)	
No ⊠ Yes, when? 11/2/2012					
CERTIFICATION (I hereby certify that all	the above entries, n	nade by me, are true	, complete, and corr	ect to the best of	
my knowledge and belief.)					
PENALITIES (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 TITLE	SIGNATURE	1	DATE		
Erica Cutler Design Enginee	1 2	1 (5-	5/9/2013		
-	Chairperson	I. KAZC			
COMMISSION ACTION (V) Administrator KAZC					
The annual section	(:	may the teams	DATE 6-28-	-13	
Approved SIGNATURE	Kon		DATE 6 50	•	
☐ Disapproved ☐					



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-K20-2013-084

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.





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

2.

AERONAUTICIAL 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

I. The project () is abandoned. () is not abandoned.

HEIGHT: 321' AGL /1480'AMSL

CONSTRUCTION/ALTERATION STATUS

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





TC 56-50 Rev. 07/2010 Page 2 of 2

KENTUCKY AIRPORT ZONING COMMISSION

APPLICANT (name)		PHONE	FAX	KY AERONAUTICAL	STUDY #
American Electric Powe	· ·		540-562-7050	AS-066-KZC	
ADDRESS (street)		CITY		STATE	ZIP
1 ' '				VA	24022-2121
APPLICANT'S REPRESEN	NTATIVE (name)	PHONE	FAX		
POWER Engineers: Erica	a Cutler	281-765-5541	281-765-5599		
ADDRESS (street)		CITY		STATE	ZIP
509 North Sam Houstor	i Pkwy East	Houston		TX	77060
APPLICATION FOR	New Construct	ion Alteration	Existing	WORK SCHEDULE	
DURATION Perm	anent 🔲 Temi	porary (months	days)	Start 4/15/2013 En	d 10/16/2014
TYPE Crane	Building	MARKING/PAINTIN	G/LIGHTING PREFEI	RRED	
Antenna Tower		🔲 Red Lights & Pai	nt White-med	ium intensity 🔲 V	Vhite- high intensity
∑ Power Line	ater Tank	Dual- red & med	lium intensity white	Dual- red & hi	gh intensity white
Landfill Ot	her	Other Painted SI	nperical Marker Ball		•
LATITUDE		LONGITUDE		DATUM NAD	83 NAD27
37 ⁰ 22'41.03N"	Į.	83 ⁰ 01'22.31W"		Other	
NEAREST KENTUCKY		NEAREST KENTUCK	Y PUBLIC USE OR M	ILITARY AIRPORT	
City Hindman County Kr	nott	Wendell H. Ford Air	port		
SITE ELEVATION (AMSL	, feet)	TOTAL STRUCTURE	HEIGHT (AGL, feet)	CURRENT (FAA ger	onautical study #)
1159		1		2012-ASO-10513-OE	
OVERALL HEIGHT (site	elevation plus tot	al structure height, j	^f eet)	PREVIOUS (FAA ae	ronautical study #)
1480			-	N/A	• •
DISTANCE (from nearest Kentucky public use or Military airport to structure) PREVIOUS (KY aeronautical study				nautical study #)	
12.5 miles from Cat. 81-82.					
DIRECTION (from neare	st Kentucky publi	c use or Military air	port to structure)		
East to Cat. 81-82.					
DESCRIPTION OF LOCAT	TION (Attach USC	S 7.5 minute quadra	angle map or an airp	ort layout drawing	with the precise site
marked and any certifie					
TOPO Map is located or	n Page 4 of each F	AA Determination			
DECOUNTION OF PROPOSAL					
DESCRIPTION OF PROPOSAL This filing is not for a structure, but is a point on a static wire where it is the hightest AGL. This is a proposoal for the use					
this filling is not for a str	ucture, but is a p	oint on a static wire	where it is the high	test AGL. This is a pi	oposoal for the use
of painted shperical ma					
FAA Form 7460-1 (Has t		nstruction or Alterat	ion" been filed with	the Federal Aviation	Administration?)
☐ No 🔀 Yes, when?	The second secon				
CERTIFICATION (I hereb		he above entries, m	ade by me, are true,	complete, and corre	ect to the best of
my knowledge and belie	• •				
PENALITIES (Persons failing to comply with KRS 183.861 to 183.990 and 602 KAR 050 are liable for fines and/or					
imprisonment as set for	th in KRS 183.990)(3). Noncompliance	with FAA regulation	ns may result in furth	ner penalties.)
NAME	TITLE	SIGNATURE	//!	DATE	
Erica Cutler	Design Engineer	12/1/	ر ک	5/9/2013	
		Chairperson,	KA7C		
COMMISSION ACTION		Administrato			
TVI Ammerican	CICNIATURE A	Will will instruction	n, mac	DATE 6-27	-17
A STATE OF THE STA	SIGNATURE	n		DAIL 6-27	The same
Disapproved					
	1/				



STEVEN BESHËAR Governor 90 Airport Road, Bldg 400 Frankfort, KY 40601 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.





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

STRUCTURE:

AERONAUTICIAL 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.

LOCATION: Hindman, KY
COORDINATES: 37° 22′ 56.46″ N / 83° 00′ 9.23″ W
HEIGHT: 264′ AGL /|372′AMSL

CONSTRUCTION/ALTERATION STATUS

1. The project () is abandoned. () is not abandoned.

2. Construction status is as follows:
Structure reached its greatest height of ________fl. AGL
_______ft. AMSL on _________(date).

Power Line

Date construction was completed.

Type of obstruction marking/painting.

Type of obstruction lighting.

As built coordinates.

Miscellaneous Information.

DATE

SIGNATURE/TITLE





TC 56-50 Rev. 07/2010 Page 2 of 2

KENTUCKY AIRPORT ZONING COMMISSION

APPLICANT (name)	P	HONE	FAX ·	KY AERONAUTICAL		
American Electric Power	: John Edwards 5	40-562-7118	540-562-7050	A5-060-K20	-2013-685	
ADDRESS (street)		:ITY			ZIP	
P.O Box 2021	R	Roanoke		VA	24022-2121	
APPLICANT'S REPRESEN	TATIVE (name) P	HONE	FAX			
POWER Engineers: Erica	· · · · · · · · · · · · · · · · · · ·	81-765-5541	281-765-5599	_		
ADDRESS (street)		CITY		STATE	ZIP	
509 North Sam Houston	Pkwy East H	louston		TX	77060	
APPLICATION FOR	New Construction	on Alteration	Existing	WORK SCHEDULE	WORK SCHEDULE	
DURATION Perma	nent Temp	orary (months	days)	Start 4/15/2013 En	d 10/16/2014	
TYPE Crane	Building N		G/LIGHTING PREFEI			
Antenna Tower		_			/hite-high intensity	
🛛 Power Line 🔲 Wa	ter Tank [[Dual- red & med	lium intensity white	Dual- red & hip	gh intensity white	
Landfill Otl	ner [[🔀 Other Painted S	hperical Marker Ball			
LATITUDE	1-	ONGITUDE.		DATUM NAD	83 🗌 NAD27	
37 ⁰ 22'56.46N"		33 ⁰ 00'09.23W"		Other		
NEAREST KENTUCKY	1.		Y PUBLIC USE OR M	ILITARY AIRPORT		
City Hindman County Kn		Wendell H. Ford Air				
SITE ELEVATION (AMSL,	feet)	TOTAL STRUCTURE	HEIGHT (AGL, feet)			
1108		264		2012-ASO-10514-OE		
OVERALL HEIGHT (site e	levation plus tota	al structure height,	feet)	PREVIOUS (FAA aeronautical study #)		
			N/A			
DISTANCE (from nearest Kentucky public use or Military airport to structure) PREVIOUS (KY aeronautical stud			nautical study #)			
1			N/A			
DIRECTION (from nearest Kentucky public use or Military airport to structure)						
East to Cat. 89-90.	<u> </u>					
DESCRIPTION OF LOCAT		iS 7.5 minute quadr	angle map or an air	port layout drawing	with the precise site	
marked and any certifie	•					
TOPO Map is located on Page 4 of each FAA Determination						
DECEMPION OF BRODOCK!						
DESCRIPTION OF PROPOSAL This filing is not for a structure, but is a point on a static wire where it is the hightest AGL. This is a proposoal for the use						
of painted shperical man						
FAA Form 7460-1 (Has t	-	nstruction or Altera	tion" been filed with	the Federal Aviation	n Administration?)	
☐ No 🔀 Yes, when?						
CERTIFICATION (I hereb		he above entries, n	nade by me, are true	, complete, and corr	ect to the best of	
my knowledge and belie						
	PENALITIES (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.)					
			e with FAA regulatio		her penalties.)	
NAME	TITLE	SIGNATURE	1. /-	DATE		
Erica Cutler	Design Engineer	120	<u>/ (\ </u>	5/9/2013		
		Chairpersor	, KAZC			
COMMISSION ACTION		X Administrat				
X Approved	SIGNATURE	15 T a	-	DATE 6 28-1	' S	
Disapproved	SIGNATURE /	W.		UNIC O		
I T nisahhi oasa						



STEVEN BESHEAR Governor 90 Airport Road, Bldg 400 Frankfort, KY 40601 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.





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

2.

AERONAUTICIAL 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.

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	_





TC 56-50 Rev. 07/2010 Page 2 of 2

KENTUCKY AIRPORT ZONING COMMISSION

APPLICANT (name)		PHONE	FAX	KY AERONAUTICAL	
American Electric Power	r: John Edwards	540-562-7118	540-562-7050	AS-060-K20	-243-086
ADDRESS (street)		СІТУ		STATE	ZIP
P.O Box 2021	ļ	Roanoke		VA	24022-2121
APPLICANT'S REPRESEN	ITATIVE (name)	PHONE	FAX		
POWER Engineers: Erica	Cutler	281-765-5541	281-765-5599		
ADDRESS (street)		CITY		STATE	ZIP
509 North Sam Houston	Pkwy East	Houston		TX	77060
APPLICATION FOR	New Construct	ion Alteration	Existing	WORK SCHEDULE	4
DURATION Perma	anent Tem	porary (months	days)	Start 4/15/2013 En	d 10/16/2014
TYPE Crane	Building	MARKING/PAINTIN	G/LIGHTING PREFER	RRED	
Antenna Tower		Red Lights & Pai	nt White-medi	ium intensity 🔲 W	Vhite-high intensity
Nower Line Wa	eter Tank	Dual- red & med	lium Intensity white	Dual- red & hi	gh intensity white
	her		hperical Marker Balls		- ,
LATITUDE		LONGITUDE		DATUM NAD	83 NAD27
37 ⁰ 23'07.45N"		82 ⁰ 59'27.1 7 W"		Other	
NEAREST KENTUCKY		NEAREST KENTUCK	Y PUBLIC USE OR M	LITARY AIRPORT	
City Hindman County Kr	nott	Wendell H. Ford Air			
SITE ELEVATION (AMSL,			HEIGHT (AGL, feet)	CURRENT (FAA aer	onautical study #)
1106		292	,	2012-ASO-10515-0	
OVERALL HEIGHT (site e	elevation plus to		feet)	<u> </u>	ronautical study #)
1398			N/A		
DISTANCE (from nearest Kentucky public use or Military airport to structure) PREVIOUS (KY aeronautical study #					nautical study #)
14.2 miles from Cat. 92-93.			N/A	,	
DIRECTION (from nearest Kentucky public use or Military airport to structure)					
East to Cat. 92-93,					
DESCRIPTION OF LOCAT	TION (Attach US	GS 7 5 minute quadr	anale man or an airi	oort lavout drawing	with the precise site
marked and any certifie		oo 7,5 7,acc qaaa,	angle inop of all and	o, o, o u, o u, o u, o u, o u, o u, o u	vitti oji e praene ente
TOPO Map is located on		FAA Determination			
10. 0 map 15. 00. 00. 00. 00. 00. 00. 00. 00. 00. 0					
DESCRIPTION OF PROPOSAL					
This filing is not for a str		point on a static wire	where it is the high	test AGL. This is a p	roposoal for the use
of painted shperical ma					
FAA Form 7460-1 (Has t		,			
☐ No ☐ Yes, when?		instruction of Aitera	don been jileb widi	the reactal Aviation	i Administration: [
CERTIFICATION (I hereb		the chouse setting m	ada bu ma ara trua	complete and corr	act to the best of
my knowledge and belie		the above entries, it	idue by ille, dre true,	, complete, una com	ect to the best of
PENALITIES (Persons fail		.:+L voc 107 oc1 +- 1	102 000 and 602 VAR	OFO are liable for fi	nos and/or
imprisonment as set for			With FAA regulation		ner penurcies.)
NAME	TITLE	SIGNATURE	11	DATE	
Erica Cutler	Design Engineer	1 (0)		5/9/2013	
***********		Chairperson	, KAZC		
COMMISSION ACTION	ACTION ACTION ACTION ACTION ACTION				
X Approved	SIGNATURE (1//T		DATE 6-28-	13
Disapproved	M.	WUV		6.00	, 0
T nisabhiosea					



STEVEN BESHEAR Governor 90 Airport Road, Bldg 400 Frankfort, KY 40601 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.





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

STRUCTURE:

LOCATION:

AERONAUTICIAL STUDY NUMBER: AS-060-K20-2013-087

Power Line

Hindman, KY

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.

	37° 23' 13.21" N / 82° 58' 5	1.95" W	
HEIGHT:	201' AGL/1564'AMSL		
	ALTERATION STATUS is abandoned. () is not aba	andoned.	
2. Construction state Structure reached	us is as follows: I its greatest height of AMSL on	ft. AGL (date).	
Date construction	on was completed.		
Type of obstruc	tion marking/painting.	****	
Type of obstruc	tion lighting.		···
As built coordin	ates.		
Miscellaneous I	nformation.		
DATE			
SIGNATURĖ/I			





TC 56-50 Rev. 07/2010 Page 2 of 2

KENTUCKY AIRPORT ZONING COMMISSION

APPLICANT (name)	Pi	HONE	FAX	KY AERONAUTICAL STUDY #	
American Electric Power	: John Edwards 54	540-562-7118 540-562-7050		AF-060-EZU-2013-087	
ADDRESS (street)	CI	ITY		STATE	ZIP
P.O Box 2021	Re	Roanoke		VA	24022-2121
APPLICANT'S REPRESEN	TATIVE (name) PI	HONE	FAX		
POWER Engineers: Erica	Cutler 2	81-765-5541	281-765-5599	_	
ADDRESS (street)	C	ΠY		STATE	ZIP
509 North Sam Houston	Pkwy East H	ouston		TX	77060
APPLICATION FOR	New Constructio	n Alteration	Existing	WORK SCHEDULE	
DURATION Perma	nent 🔲 Tempo	orary (months	days)	Start 4/15/2013 End	10/16/2014
TYPE Crane	Building N		G/LIGHTING PREFER		
Antenna Tower		Red Lights & Pai	nt White-medi	um intensity 🔲 W	hite-high intensity
🛛 Power Line 🔲 Wa	ter Tank	Dual- red & med	lium intensity white	Dual- red & hip	gh intensity white
Landfill Oth	ner 🛛 🖸	Other Painted SI	nperical Marker Balls	5	
LATITUDE	L	ONGITUDE		DATUM X NAD	33 NAD27
37 ⁰ 23′13.21N″		2 ⁰ 58'51.95W"		Other	
NEAREST KENTUCKY	N	EAREST KENTUCK	Y PUBLIC USE OR MI	LITARY AIRPORT	
City Hindman County Kn	ott V	Vendell H. Ford Air	port		
SITE ELEVATION (AMSL,	feet) T	OTAL STRUCTURE	HEIGHT (AGL, feet)	CURRENT (FAA aere	onautical study #)
1363	2	01		2012-ASO-10516-OE	
OVERALL HEIGHT (site e	levation plus total	l structure height, j	feet)	PREVIOUS (FAA aei	ronautical study #)
1564				N/A	
DISTANCE (from nearest Kentucky public use or Military airport to structure) PREVIOUS (KY aeronautical str			nautical study #)		
14.7 miles from Cat. 94-95.			N/A		
DIRECTION (from nearest Kentucky public use or Military airport to structure)					
East to Cat. 94-95.					
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 filling is not for a structure, but is a point on a static wire where it is the hightest AGL. This is a proposoal for the use					
of painted shperical mar	rker balls on the st	tatic wire of a spar	in the Bonnyman - :	Softshell 138kV Circi	uit.
FAA Form 7460-1 (Has t	he "Notice of Cons	struction or Altera	tion" been filed with	the Federal Aviation	Administration?)
☐ No X Yes, when?	11/2/2012				
CERTIFICATION (I hereby	y certify that all th	ne above entries, m	ade by me, are true,	. complete, and corre	ect to the best of
my knowledge and belie	f.)		•		
PENALITIES (Persons fail	ling to comply with	h KRS 183.861 to 1	83,990 and 602 KAR	050 are liable for fil	nes and/or
imprisonment as set fort	th in KRS 183.990(3). Noncompliance	with FAA regulation	ns may result in furtl	her penalties.)
			1/2	DATE	
		11/1	1115	5/9/2013	
		T Chairnaras	V K7C		
COMMISSION ACTION					
r he r.		Extranimistral	UI, NACC		· 17
	SIGNATURE / /	1~		DATE (-28	-15
✓ Disapproved	NA				
of painted shperical mar FAA Form 7460-1 (Has t No Yes, when? CERTIFICATION (I hereby my knowledge and belie) PENALITIES (Persons fail imprisonment as set fort NAME Erica Cutler COMMISSION ACTION	ker balls on the st he "Notice of Cons 11/2/2012 y certify that all th f.) ling to comply with	tatic wire of a spar struction or Altera ne above entries, m h KRS 183.861 to 1	in the Bonnyman - tion" been filed with hade by me, are true, 83,990 and 602 KARE with FAA regulation	Softshell 138kV Circuithe Federal Aviation complete, and correct 050 are liable for fines may result in furth	uit. Administration?) ect to the best of nes and/or her penalties.)



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-K20-2013-088

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.





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

AERONAUTICIAL STUDY NUMBER: AS-060-K20-2013-088

AMERICAN ELECTRIC POWER AMERICAN ELECTRIC POWER P Ó 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
	Date construction was completed.
	Type of obstruction marking/painting.
	Type of obstruction lighting.
	As built coordinates.
	Miscellaneous Information.
	DATE
	SIGNATURE/TITLE





TC 56-50 Rev. 07/2010 Page 2 of 2

KENTUCKY AIRPORT ZONING COMMISSION

APPLICANT (name)	PHONE	FAX	KY AERONAUTICAL STUDY #	
American Electric Power: John Edwar	ds 540-562-7118	540-562-7050	AS-060-KZ0-2013-088	
ADDRESS (street)	CITY		STATE ZIP	
P.O Box 2021	Roanoke		VA 24022-2121	
APPLICANT'S REPRESENTATIVE (nam	e) PHONE	FAX		
POWER Engineers: Erica Cutler	281-765-5541	281-765-5599		
ADDRESS (street)	CITY		STATE ZIP	
509 North Sam Houston Pkwy East	Houston		TX 77060	
APPLICATION FOR New Constr				
	Temporary (months days) Start 4/15/2013 End 10/16/2014			
TYPE Crane Building	MARKING/PAINTING/LIGHTING PREFERRED			
Antenna Tower	Red Lights & Paint White- medium intensity White- high inter			
Power Line Water Tank	1	dium intensity white		
Landfill Other		Shperical Marker Bal		
LATITUDE	LONGITUDE	······································	DATUM NAD83 NAD27	
37°23′13.84N″	82°58'36.35W"		Other	
NEAREST KENTUCKY		CY PUBLIC USE OR IV	ILITARY AIRPORT	
City Hindman County Knott	Wendell H. Ford Ai			
SITE ELEVATION (AMSL, feet)		HEIGHT (AGL, feet)	CURRENT (FAA aeronautical study #)	
1103	444		2012-ASO-10517-OE	
OVERALL HEIGHT (site elevation plus	total structure height,	feet)	PREVIOUS (FAA aeronautical study #)	
1547	•	•	N/A	
DISTANCE (from nearest Kentucky pu	blic use or Military air	port to structure)	PREVIOUS (KY aeronautical study #)	
15.0 miles from Cat. 95-96.				
DIRECTION (from nearest Kentucky p	ublic use or Military ai	rport to structure)		
East to Cat. 95-96,		,		
DESCRIPTION OF LOCATION (Attach	USGS 7.5 minute auad	ranale map or an air	port layout drawing with the precise site	
marked and any certified survey.)	•		, , , , , , , , , , , , , , , , , , , ,	
TOPO Map is located on Page 4 of each	ch FAA Determination			
DESCRIPTION OF PROPOSAL				
This filing is not for a structure, but is	a point on a static wir	e where it is the high	htest AGL. This is a proposoal for the use	
of painted shperical marker balls on t	he static wire of a spa	n in the Bonnyman -	Softshell 138kV Circuit.	
FAA Form 7460-1 (Has the "Notice of	Construction or Altera	ition" been filed with	the Federal Aviation Administration?)	
☐ No ☐ Yes, when? 11/2/2012		•	•	
CERTIFICATION (I hereby certify that	all the above entries, n	nade by me, are true	e, complete, and correct to the best of	
my knowledge and belief.)	•	•	, ,	
PENALITIES (Persons failing to comply	with KRS 183.861 to	183.990 and 602 KA	R 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 TITLE	SIGNATURE	, ,	DATE	
Erica Cutler Design Engin	1	1/	5/9/2013	
1-3-8.1 - 3-3.1		- 4.75		
COMMISSION ACTION Chairperson, KAZC				
I LI Administrator, KAZC				
Approved SIGNATURE	100		DATE 6-27-13	
Disapproved	UU			



STEVEN BESHEAR Governor 90 Airport Road, Bldg 400 Frankfort, KY 40601 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.





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

AERONAUTICIAL 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





TC 56-50 Rev. 07/2010 Page 2 of 2

KENTUCKY AIRPORT ZONING COMMISSION

APPLICANT (name)		PHONE	FAX	KY AERONAUTICAL	STUDY#
American Electric Powe	r: John Edwards	540-562-7118	540-562-7050	AS-060-K20-2013-68	
ADDRESS (street)		CITY		STATE	ZIP
P.O Box 2021		Roanoke		VA	24022-2121
APPLICANT'S REPRESEN	ITATIVE (name)	PHONE	FAX		
POWER Engineers: Erica	Cutler	281-765-5541	281-765-5599		
ADDRESS (street)		CITY		STATE	ZIP
509 North Sam Houstor		Houston		TX	77060
APPLICATION FOR	New Construct	ion Alteration	teration Existing WORK SCHEDULE		
DURATION Perm		emporary (months days) Start 4/15/2013 End 10/16/2014			
TYPE Crane	Building		IG/LIGHTING PREFEI		
Antenna Tower		Red Lights & Paint			
Power Line W	ater Tank	Dual- red & med	dium intensity white	Dual- red & hi	gh intensity white
Landfill Ot	her	Other Painted S	hperical Marker Ball	s	
LATITUDE		LONGITUDE		DATUM NAD	83 NAD27
37 ⁰ 23'19.07N"		82 ⁰ 58′04.25W″		Other	
NEAREST KENTUCKY		NEAREST KENTUCK	Y PUBLIC USE OR M	ILITARY AIRPORT	
City Hindman County Kr	nott	Wendell H. Ford Alr	port		
SITE ELEVATION (AMSL	, feet)	TOTAL STRUCTURE	HEIGHT (AGL, feet)	CURRENT (FAA aer	onautical study #)
1084		245		2012-ASO-10518-OE	
OVERALL HEIGHT (site	elevation plus tot	al structure height,	feet)	PREVIOUS (FAA ae	ronautical study #)
1329 N/A					
DISTANCE (from neares	t Kentucky public	use or Military airp	ort to structure)	PREVIOUS (KY aero	nautical study #)
15.6 miles from Cat. 97-98. N/A			•		
DIRECTION (from neare	st Kentucky publ	ic use or Military air	port to structure)		
East to Cat. 97-98.					
DESCRIPTION OF LOCAT	TION (Attach USO	GS 7.5 minute quadr	angle map or an air,	port layout drawing	with the precise site
marked and any certifie	•		- •		-
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 hightest AGL. This is a proposoal for the use					
of painted shperical 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?)					
No Ses, when? 11/2/2012					
		the above entries. n	nade by me, are true	, complete, and corr	ect to the best of
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.)					
PENALITIES (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	TITLE	SIGNATURE	1 /	DATE	
Erica Cutler	Design Engineer	1 6	/(5/9/2013	
Eller Antimi	Pesign Chemical			0,0,000	
COMMISSION ACTION Chairperson, KAZC					
· · · · · · · · · · · · · · · · · · ·		Administrat	or, KAZC		
X Approved	SIGNATURE (). /		DATE 6-28	-13
Disapproved	<i>/Y</i>				



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 PO 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 Pówer 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.





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

2.

AERONAUTICIAL 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

I. The project () is abandoned. () is not abandoned.

HEIGHT: 365' AGL/1622'AMSL

CONSTRUCTION/ALTERATION STATUS

Construction status is as follows:
Structure reached its greatest height offt. AGLft. AMSL on(date).
Date construction was completed.
Type of obstruction marking/painting.
Type of obstruction lighting.
As built coordinates.
Miscellaneous Information.
DATE
SIGNATURE/TITLE





TC 56-50 Rev. 07/2010 Page 2 of 2

KENTUCKY AIRPORT ZONING COMMISSION

					
APPLICANT (name)	PHONE	FAX	KY AERONAUTICAL STUDY #		
American Electric Power: John Edwar		540-562-7050	AS-060-K20		
ADDRESS (street)	CITY		STATE	ZIP	
P.O Box 2021	Roanoke		VA	24022-2121	
APPLICANT'S REPRESENTATIVE (nam	- 1	FAX			
POWER Engineers: Erica Cutler	281-765-5541	281-765-5599			
ADDRESS (street)	CITY		STATE	ZIP	
509 North Sam Houston Pkwy East	Houston		TX	77060	
APPLICATION FOR New Constr			WORK SCHEDULE		
	Temporary (months days) Start 4/15/2013 End 10/16/2014				
TYPE Crane Building		NG/LIGHTING PREFE			
Antenna Tower	,	int White-med		-	
Power Line		dium intensity white		igh intensity white	
Landfill Other		Shperical Marker Ball			
LATITUDE	LONGITUDE		DATUM NAD	83 NAD27	
37 ⁰ 23′31.51N"	82 ⁰ 57'38.45W"		Other		
NEAREST KENTUCKY		KY PUBLIC USE OR M	ILITARY AIRPORT		
City Hindman County Knott	Wendell H. Ford Ai				
SITE ELEVATION (AMSL, feet)		E HEIGHT (AGL, feet)	CURRENT (FAA aer	* -	
1257	365		2012-ASO-10519-C		
OVERALL HEIGHT (site elevation plus	total structure height,	feet)	•	ronautical study #)	
1622			N/A		
DISTANCE (from nearest Kentucky pu	ıblic use or Military air	oort to structure)	PREVIOUS (KY aeronautical study #)		
16.0 miles from Cat. 100-101. N/A					
DIRECTION (from nearest Kentucky public use or Military airport to structure)					
East to Cat. 100-101.					
DESCRIPTION OF LOCATION (Attach	USGS 7.5 minute quad	rangle map or an air	oort 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					
of painted shperical 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?)					
☐ No					
CERTIFICATION (I hereby certify that	all the above entries, i	nade by me, are true	, complete, and corr	rect to the best of	
my knowledge and belief.)					
PENALITIES (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 TITLE	SIGNATURE		DATE		
Erica Cutler Design Engir			5/9/2013		
COMMISSION ACTION	Chairperso Administra		DATE 6-27	-/3	
Approved SIGNATURE	Will	_	DATE 6 - 2 4		
Disapproved	Nac -				
	V				



STEVEN BESHEAR
Governor

90 Airport Road, Bldg 400 Frankfort, KY 40601 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.





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

AERONAUTICIAL 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

1. The project () is abandoned. () is not abandoned.

COORDINATES:

37° 23' 56.06" N / 82° 56' 54.77" W

HEIGHT:

281' AGL/1375'AMSL

CONSTRUCTION/ALTERATION STATUS

SIGNATURE/TITLE

tructure reached its greatest height of ft. AMSL on	
Date construction was completed.	
Type of obstruction marking/painting.	
Type of obstruction lighting.	
As built coordinates.	
Miscellaneous Information.	
DATE	

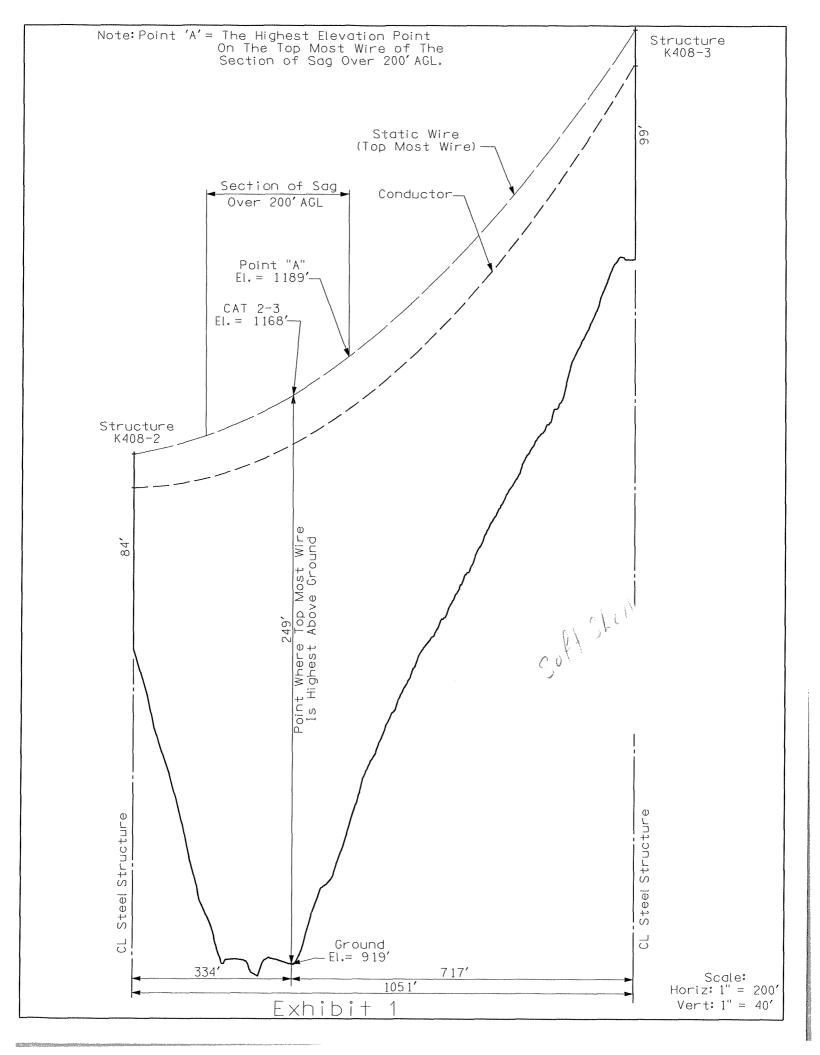




TC 56-50 Rev. 07/2010 Page 2 of 2

KENTUCKY AIRPORT ZONING COMMISSION

		N=10-5wi					
APPLICANT (name)		PHONE	FAX		TICAL STUDY #		
American Electric Powe	r: John Edwards		540-562-7050		180-502-051		
ADDRESS (street)		CITY		STATE	ZIP		
P.O Box 2021			VA	24022-2121			
APPLICANT'S REPRESEN	• • • •	PHONE	FAX				
POWER Engineers: Erica	Cutler	281-765-5541	281-765-5599				
ADDRESS (street)		CITY		STATE	ZIP		
509 North Sam Houston		Houston		TX	77060		
	New Construct		☐ Existing		WORK SCHEDULE		
DURATION Perma		porary (months	days)		13 End 10/16/2014		
TYPE Crane	Building	MARKING/PAINTING/LIGHTING PREFERRED					
Antenna Tower		Red Lights & Paint					
	ater Tank		lium intensity white		& high intensity white		
	her	Other Painted S	hperical Marker Bal				
LATITUDE		LONGITUDE			NAD83 NAD27		
37 ⁰ 23'56.06N"		82 ⁰ 56′54.77W″		Other			
NEAREST KENTUCKY		NEAREST KENTUCK		IILITARY AIRPO	RT		
City Hindman County Kr		Wendell H. Ford Air	·	T			
SITE ELEVATION (AMSL,	. jeet)	TOTAL STRUCTURE	HEIGHT (AGL, feet)		A aeronautical study#)		
1094		281	A .1	2012-ASO-105			
OVERALL HEIGHT (site e	elevation plus to	tal structure height, j	feet)		A aeronautical study #)		
1375		A' A P. I.		N/A			
DISTANCE (from nearest Kentucky public use or Military airport to structure) 16.8 miles from Cat. 104-105.			PREVIOUS (K)	aeronautical study #)			
		ic use or Military air	port to structure)	1.3,7,7			
DIRECTION (from nearest Kentucky public use or Military airport to structure) East to Cat, 104-105.							
DESCRIPTION OF LOCAT	TION (Attach US	GS 7.5 minute auadr	anale map or an air	port lavout drav	wing with the precise site		
marked and any certifie			3	, ,	,g		
TOPO Map is located on		FAA Determination					
•							
DESCRIPTION OF PROPO	OSAL		7 7 1000		American Ame		
This filing is not for a str	ucture, but is a	point on a static wire	where it is the high	ntest AGL. This i	s a proposoal for the use		
of painted shperical mai							
FAA Form 7460-1 (Has t	he "Notice of Co	nstruction or Altera	ion" been filed with	the Federal Av	iation Administration?\		
☐ No X Yes, when?	11/2/2012		•		,		
CERTIFICATION (I hereb	y certify that all	the above entries, m	ade by me, are true	. complete, and	correct to the best of		
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.)							
PENALITIES (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	TITLE	SIGNATURE	1 18	DATE			
Erica Cutler	Design Engineer	1 /	1 (5	5/9/2013			
COMMISSION ACTION Chairperson KAZC Administrator, KAZC							
X Approved	SIGNATURE	11		DATE &	28-13		
Disapproved	Al Al						





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

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)

X 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.

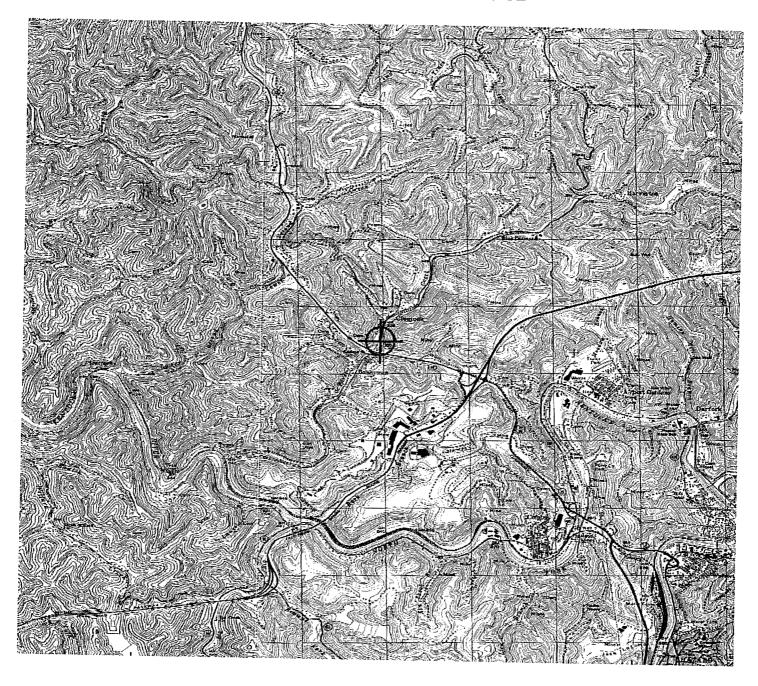
Signature Control No: 188374294-193437742

(DNE)

Fred Souchet Specialist

Attachment(s) Map(s)

TOPO Map for ASN 2013-ASO-3163-OE





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

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: Documents: 01/22/2013 📆 DNE

11/01/2012 🙀 FAA_7 to 8_Exb 2-...

Project Documents:

None

Construction / Alteration Information

Notice Of:

Construction

Duration:

Permanent

if Temporary: Work Schedule - Start:

Months: Days: 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.

Structure Details

Latitude: Longitude: 37° 17' 59.92" N 83° 13' 22.82" W

NAD83

Horizontal Datum: Site Elevation (SE):

1049 (nearest foot)

Structure Height (AGL):

338 (nearest foot) (nearest foot)

Current Height (AGL):

* 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):

* For Wind Turbines 500ft AGL or greater

(nearest foot)

Requested Marking/Lighting:

Spherical Markers Other:

Recommended Marking/Lighting:

Dual medium catenary

Current Marking/Lighting:

N/A New Structure

Other:

Nearest City: Nearest State: Hazard Kentucky

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

Description of Proposal:

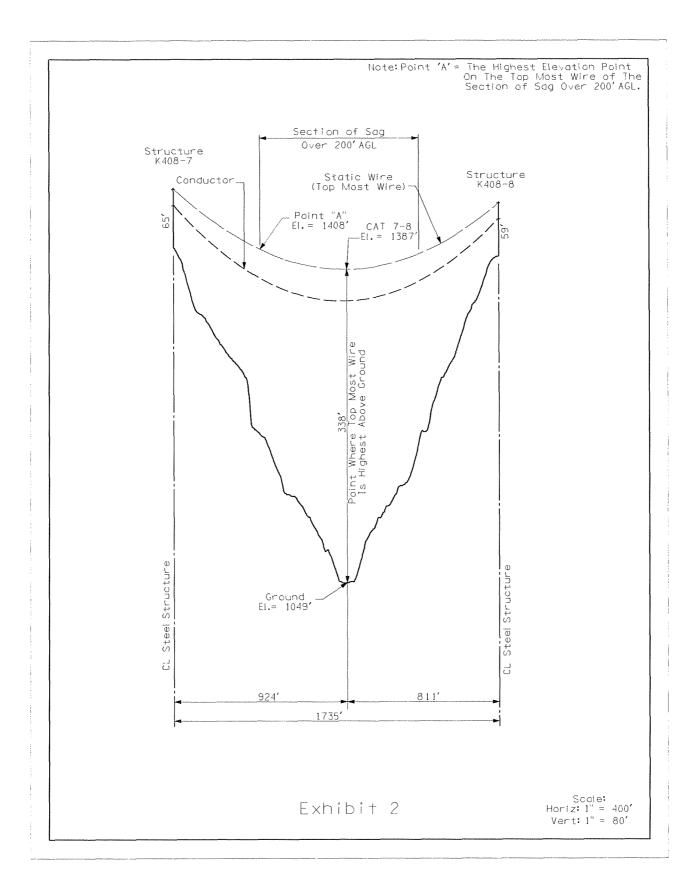
This filling is not for a structure, but is a point on a static wire where it is the highest AGL. (See attached exhibit) Bonnyman to Soft Shell 138kV K408. **Common Frequency Bands**

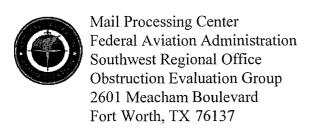
Low Freq High Freq

Freq Unit ERP

ERP Unit

Specific Frequencies





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 d	ays prior to start	t of construction	(7460-2, Part	: I)	
X	Within 5 day	ys after the cons	truction reaches	its greatest he	eight (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.

- (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

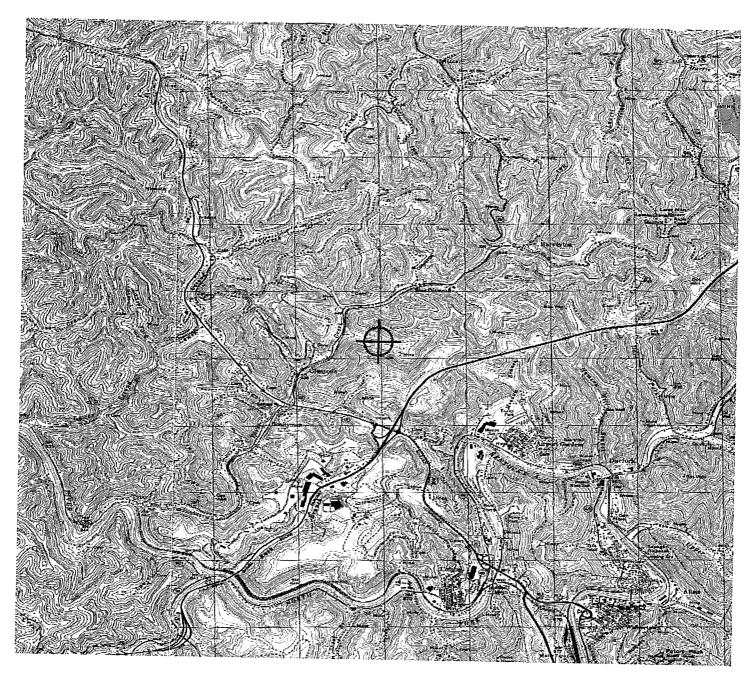
(DNE)

Fred Souchet Specialist

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 $69~\rm KV$. The wire voltage for the above transmission lines is $138\rm kV$. Therefore, IAW AC 70/7460-1 K Change 2 this structure is to be marked/lighted with dual medium catenary lighting - Chapters 4, $10~\rm (Centenary)~\&~12$.

TOPO Map for ASN 2012-ASO-10492-OE





Sponsor: Power Engineers for AEP Project Name: POWER-000221076-12

Details for Case: Cat 10-11 (Point on Static Wire)

Show Project Summary

Case Status

ASN:

2012-ASO-10521-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_10 to 11_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

Structure Summary

Structure Type: Structure Name: Transmission Line

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: Longitude: 37° 18' 13.70" N

Horizontal Datum:

83° 12' 52.98" W NAD83

Site Elevation (SE):

1231 (nearest foot)

(nearest foot)

Structure Height (AGL):

208 (nearest foot)

Current Height (AGL):

* 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):

* For Wind Turbines 500ft AGL or greater

(nearest foot)

Requested Marking/Lighting:

Spherical Markers

Other:

Recommended Marking/Lighting:

Dual medium catenary

Current Marking/Lighting:

N/A New Structure

Other:

Hazard

Nearest City: Nearest State:

Kentucky

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

Description of Proposal:

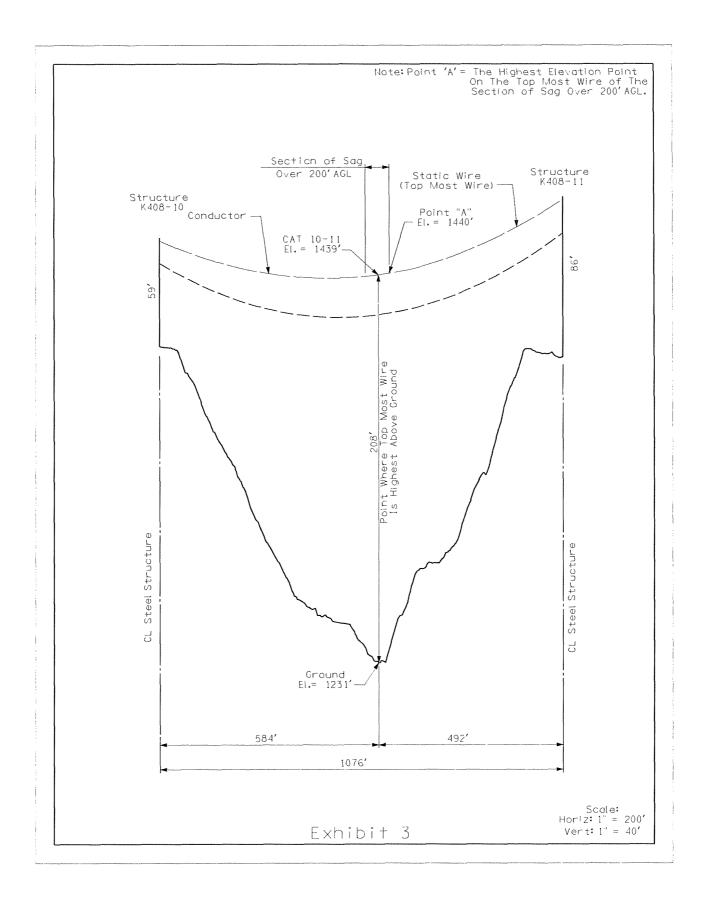
This filing is not for a structure, but is a point on a static wire where it is the highest AGL. (See attached exhibit) Bonnyman to Soft Shell 138kV K408.

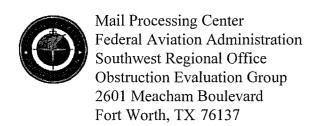
Common Frequency Bands

Low Freq High Freq **Specific Frequencies**

Freq Unit ERP

ERP Unit





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)	
X	Within 5 days after the construction reaches its greatest height (7460-2, Pa	art 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.

- (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

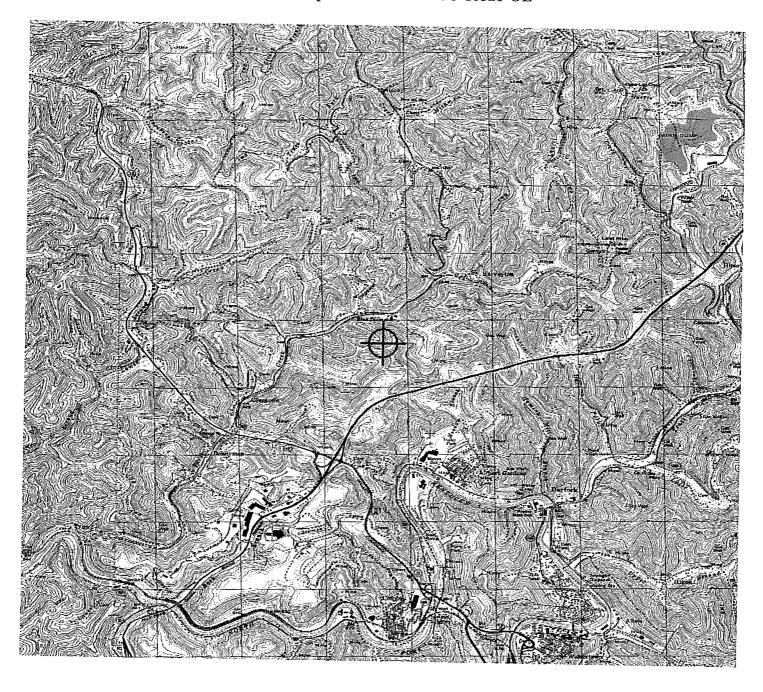
(DNE)

Fred Souchet Specialist

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.

TOPO Map for ASN 2012-ASO-10521-OE





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:

Date Accepted:

11/02/2012

Date Determined: 01/22/2013

01/22/2013 📆 DNE

Documents:

Letters:

11/02/2012 📆 FAA_12 to 13_Exb ...

Project Documents:

None

Construction / Alteration Information

Notice Of: **Duration:**

Construction Permanent

if Temporary: Months: Days:

Work Schedule - Start:

Work Schedule - End:

04/15/2013

10/16/2014

Structure Summary

Structure Type: Structure Name: Transmission Line

Cat 12-13 (Point on Static Wire)

Freq Unit ERP

ERP Unit

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: Longitude: 37° 18' 18.60" N 83° 12' 31.25" W

1066 (nearest foot)

259 (nearest foot)

(nearest foot)

NAD83

Horizontal Datum: Site Elevation (SE):

Structure Height (AGL):

Current Height (AGL): * 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):

* For Wind Turbines 500ft AGL or greater

(nearest foot)

Requested Marking/Lighting:

Other:

Recommended Marking/Lighting:

Current Marking/Lighting: N/A New Structure

Other:

Hazard

Nearest City: Nearest State:

Kentucky

Description of Location: On the Project Summary page upload any certified survey.

Description of Proposal:

Spherical Markers

Dual medium catenary

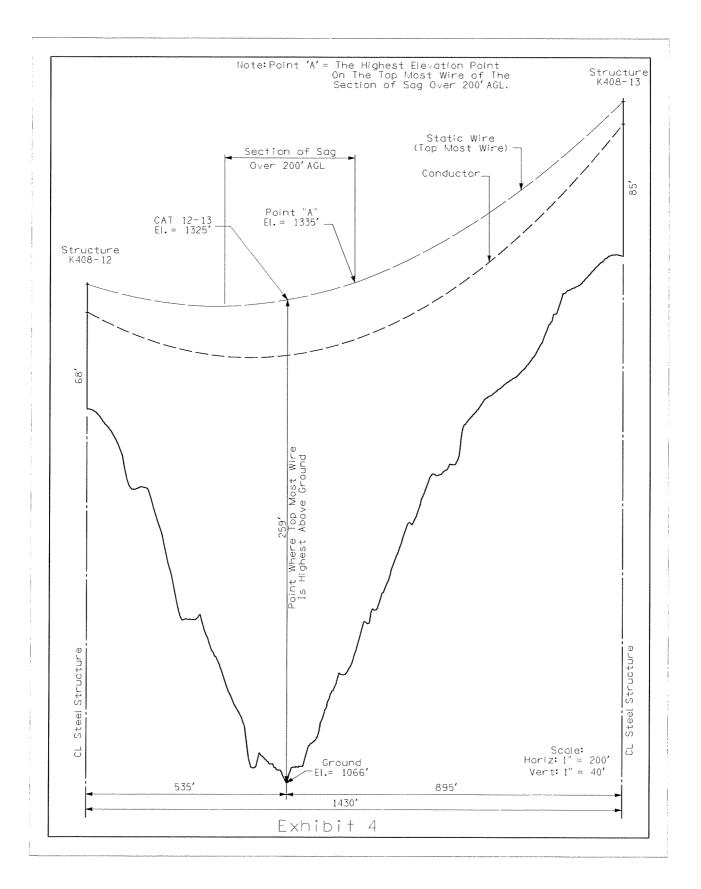
Mountainous terrain in eastern

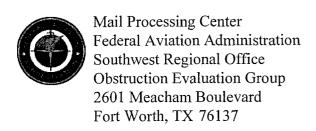
This filing is not for a structure, but is a point on a static wire where it is the highest AGL. (See attached exhibit) Bonnyman to Soft Shell 138kV K408.

Common Frequency Bands

High Freq

Specific Frequencies





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)
X	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.

- (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.

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

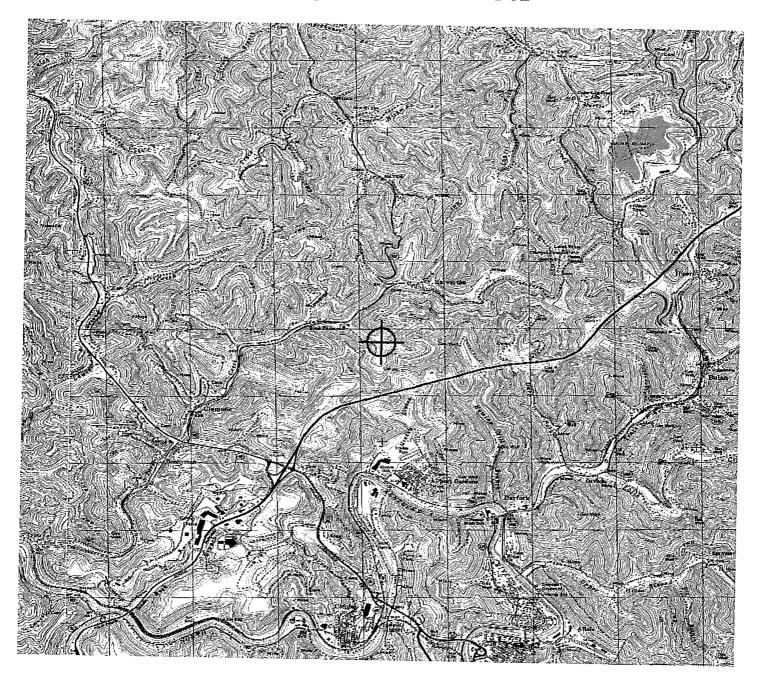
(DNE)

Fred Souchet Specialist

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.

TOPO Map for ASN 2012-ASO-10491-OE





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

01/22/2013 📆 DNE

11/07/2012 📆 ADD

Documents:

Letters:

11/01/2012 🤁 FAA_14 to 15_Exb ...

Project Documents:

None

Construction / Alteration Information

Notice Of: Duration:

Construction Permanent

if Temporary: Months: Days:

04/15/2013

Work Schedule - Start: Work Schedule - End:

10/16/2014

Structure Summary

Structure Type:

Transmission Line

Structure Name:

Cat 14-15 (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: Longitude: 37° 18' 25.97" N 83° 12' 8.03" W

Horizontal Datum: Site Elevation (SE):

NAD83

1329 (nearest foot) 213 (nearest foot)

Structure Height (AGL): Current Height (AGL):

* 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):

* For Wind Turbines 500ft AGL or greater

(nearest foot)

(nearest foot)

Requested Marking/Lighting:

Spherical Markers

Other:

Recommended Marking/Lighting:

Current Marking/Lighting:

Dual medium catenary N/A New Structure

Other:

Nearest City: Hazard **Nearest State:** Kentucky

Description of Location:

On the Project Summary page upload any certified survey.

Description of Proposal:

Mountainous terrain in eastern

Kentucky

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.

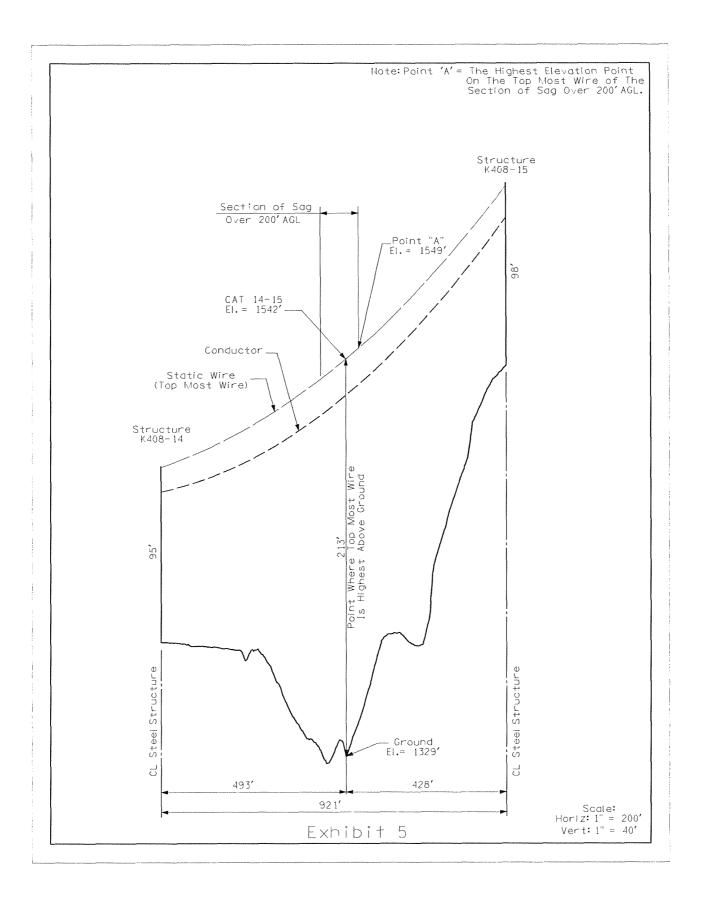
Common Frequency Bands

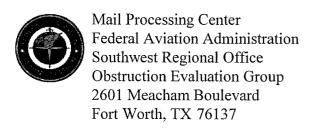
Low Freq High Freq

Freq Unit ERP

ERP Unit

Specific Frequencies





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)
X	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.

- (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

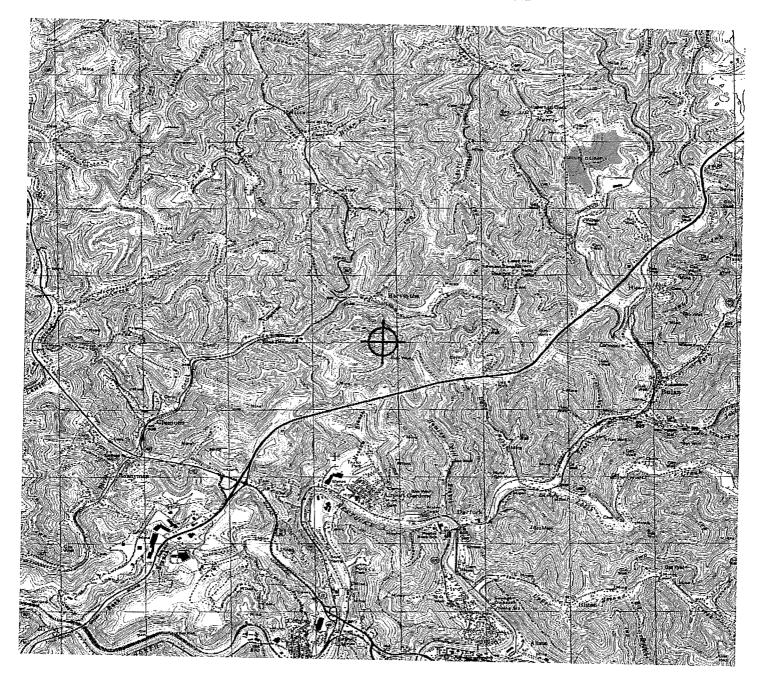
(DNE)

Fred Souchet Specialist

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.

TOPO Map for ASN 2012-ASO-10522-OE





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:

Date Accepted:

11/02/2012

Date Determined: 01/22/2013

Letters:

Structure Summary Structure Type:

Common Frequency Bands

Specific Frequencies

High Freq

Structure Name:

NOTAM Number: FCC Number:

Prior ASN:

01/22/2013 📆 DNE

Cat 16-17 (Point on Static Wire)

Freq Unit ERP

ERP Unit

Documents:

11/01/2012 📆 FAA_16 to 17_Exb ...

Project Documents:

Transmission Line

None

Construction / Alteration Information

Notice Of: **Duration:**

Construction

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° 18' 27.07" N

Longitude:

83° 11' 49.47" W

Horizontal Datum: Site Elevation (SE):

1272 (nearest foot)

NAD83

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

Requested Marking/Lighting:

Spherical Markers

Other:

Recommended Marking/Lighting:

Dual medium catenary

Current Marking/Lighting:

N/A New Structure

Other:

Nearest City: Nearest State: Hazard

Kentucky

Description of Location:

On the Project Summary page upload any certified survey.

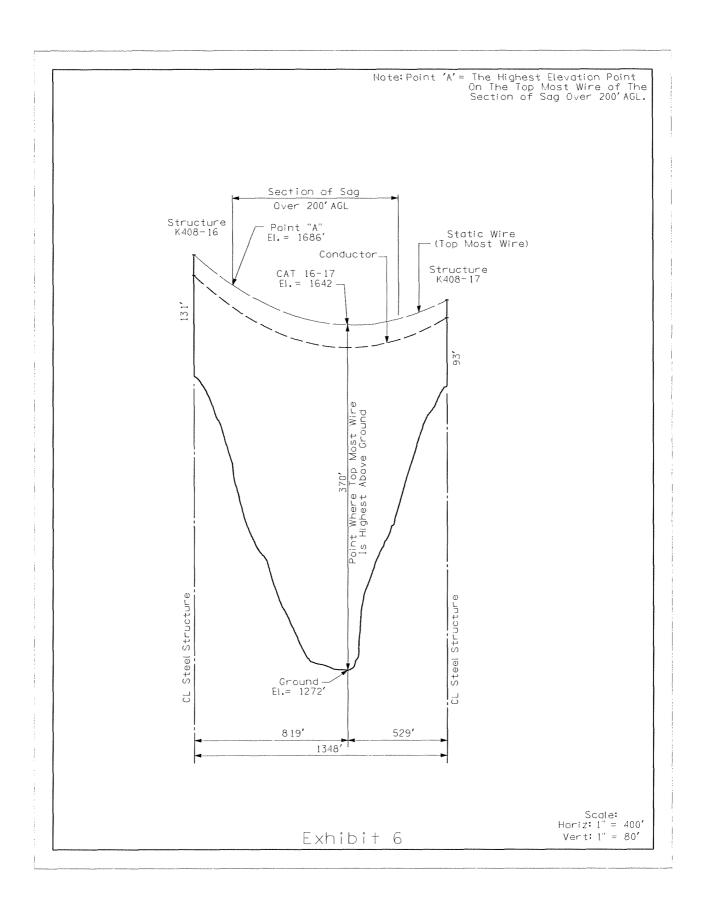
Mountainous terrain in eastern

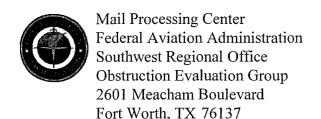
Description of Proposal:

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.





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 prio	r to start of cons	truction (7460-2,	Part I)	
X	Within 5 days after	the construction	reaches its greate	st 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.

- (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

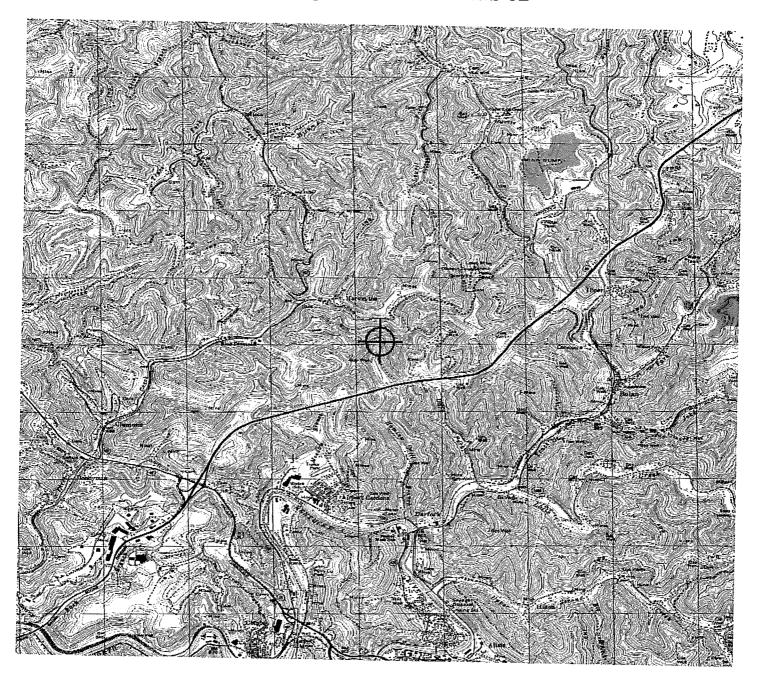
(DNE)

Fred Souchet Specialist

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.

TOPO Map for ASN 2012-ASO-10523-OE





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

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

01/22/2013 📆 DNE

Documents:

Letters:

11/01/2012 📆 FAA_17 to 18_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

Structure Summary

Transmission Line Structure Type:

Common Frequency Bands

High Freq

Cat 17-18 (Point on Static Wire)

Freq Unit ERP

NOTAM Number: FCC Number:

Low Freq

Specific Frequencies

Prior ASN:

Structure Name:

*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):

* 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):

* For Wind Turbines 500ft AGL or greater

(nearest foot)

(nearest foot)

Requested Marking/Lighting:

Spherical Markers

Other:

Recommended Marking/Lighting:

Dual medium catenary

Current Marking/Lighting:

N/A New Structure

Hazard

Other:

Nearest City: Nearest State:

Kentucky

Description of Location:

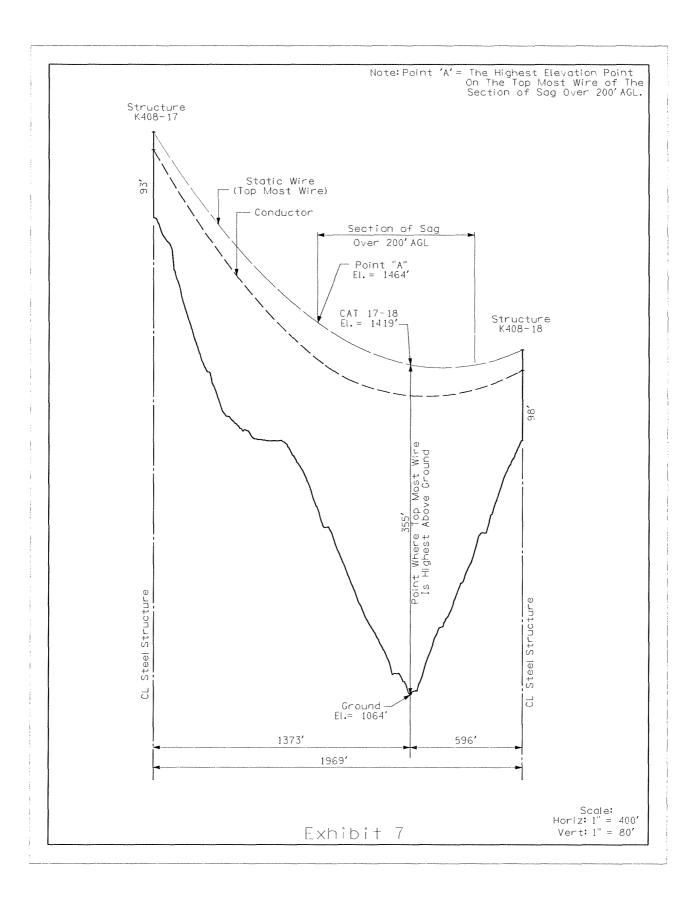
On the Project Summary page upload any certified survey.

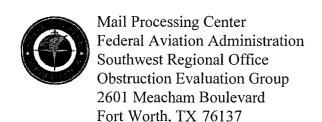
Description of Proposal:

Mountainous terrain in eastern

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.





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)

X 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.

- (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

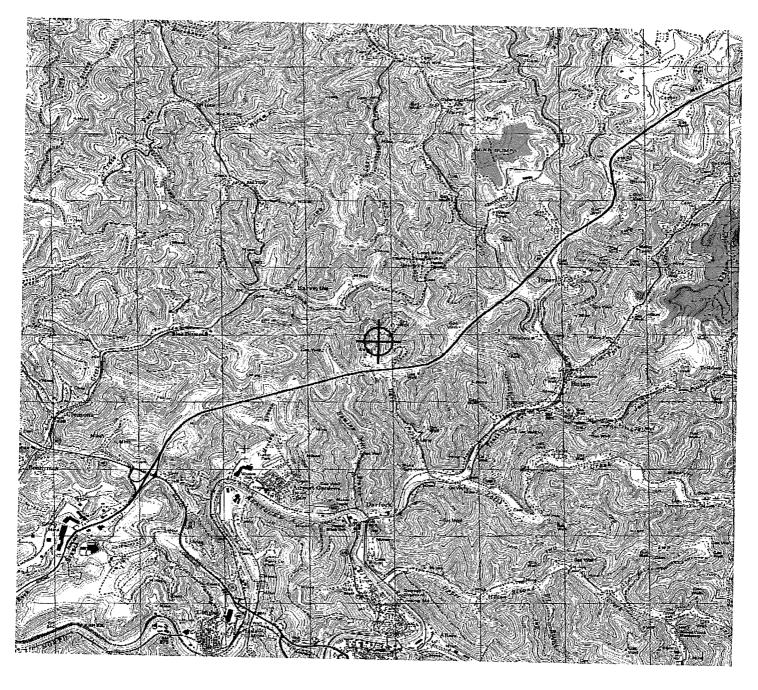
(DNE)

Fred Souchet Specialist

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.

TOPO Map for ASN 2012-ASO-10493-OE





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	Sponsor: Power Engineers for AEP
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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:

Date Accepted: Date Determined:

Letters:

Documents:

Structure Summary

Structure Type:

Structure Name:

NOTAM Number: FCC Number:

Prior ASN:

11/02/2012

01/22/2013

01/22/2013 TD DNE

11/01/2012 📆 FAA_18 to 19_Exb ...

ERP Unit

Project Documents:

Transmission Line

Cat 18-19 (Point on Static Wire)

None

Construction / Alteration Information

Notice Of: **Duration**:

Construction Permanent

if Temporary: Months: Days:

Work Schedule - Start:

Work Schedule - End:

10/16/2014

04/15/2013

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: Longitude: 37° 18' 20.86" N 83° 11' 13.90" W

259 (nearest foot)

(nearest foot)

(nearest foot)

Spherical Markers

Horizontal Datum:

NAD83 Site Elevation (SE): 1243 (nearest foot)

Structure Height (AGL): Current Height (AGL):

* 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):

* For Wind Turbines 500ft AGL or greater

Requested Marking/Lighting:

Recommended Marking/Lighting:

Current Marking/Lighting:

Nearest City:

Nearest State:

Description of Location:

On the Project Summary page upload any certified survey.

Description of Proposal:

*For temporary cranes-Does the permanent structure require separate notice to the FAA?

Common Frequency Bands

Low Freq High Freq

Specific Frequencies

Freq Unit ERP

Dual medium catenary N/A New Structure

Hazard Kentucky

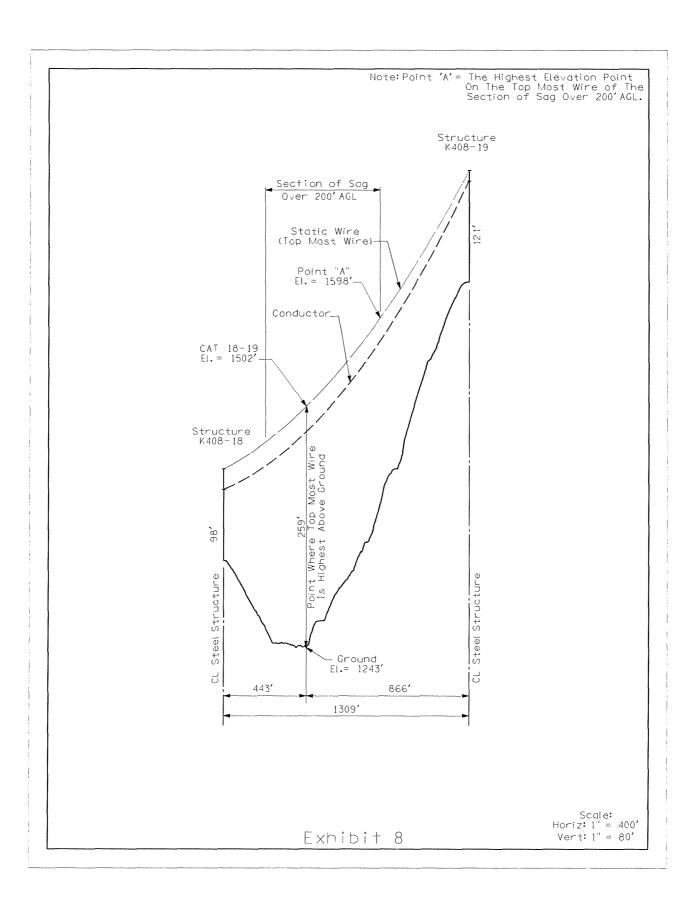
Other:

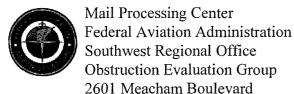
Other:

Mountainous terrain in eastern

Kentucky

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.





Fort Worth, TX 76137

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)
X	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.

- (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.

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

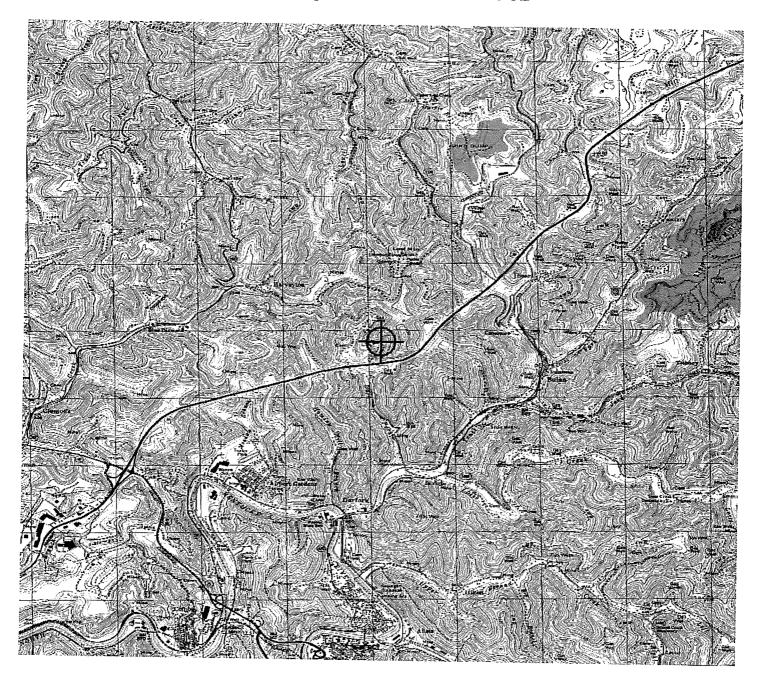
(DNE)

Fred Souchet Specialist

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.

TOPO Map for ASN 2012-ASO-10494-OE





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

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_20 to 21_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

Structure Summary Structure Type:

Common Frequency Bands

High Frea

Transmission Line

Structure Name:

Cat 20-21 (Point on Static Wire)

Freq Unit ERP

ERP Unit

NOTAM Number: FCC Number: Prior ASN:

Low Frea

Specific Frequencies

*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: Site Elevation (SE): NAD83

Structure Height (AGL):

1406 (nearest foot) 236 (nearest foot)

(nearest foot)

Current Height (AGL):

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

Spherical Markers

Other:

Requested Marking/Lighting:

Other:

Recommended Marking/Lighting:

Dual medium catenary

Current Marking/Lighting:

N/A New Structure

Hazard

Nearest City: Nearest State:

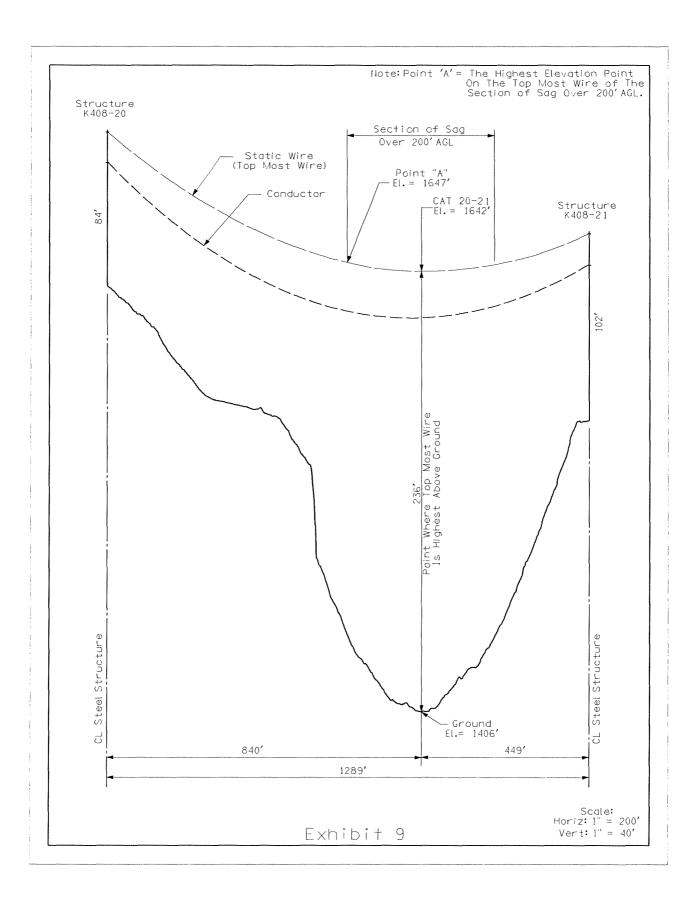
Kentucky

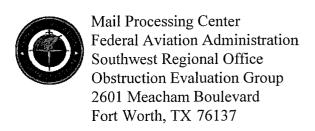
Description of Location: On the Project Summary page upload any certified survey. Mountainous terrain in eastern

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.





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)

X 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.

- (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.

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

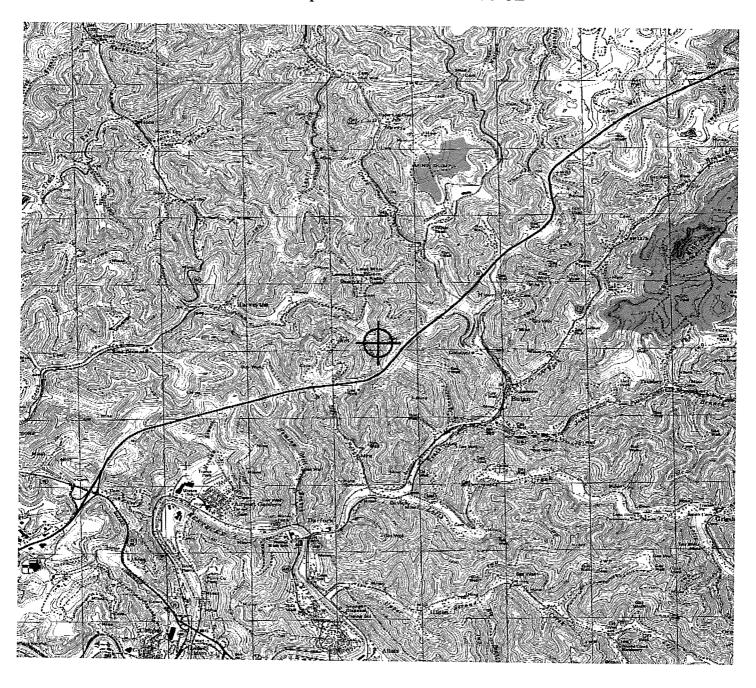
(DNE)

Fred Souchet Specialist

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





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

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

Add Supplemental Notice (7460-2)

Public Comments:

Date Accepted:

Structure Summary

Structure Type:

Structure Name:

NOTAM Number: FCC Number:

Prior ASN:

11/02/2012

Date Determined: 01/22/2013 Letters:

01/22/2013 🏗 DNE

Documents:

11/01/2012 📆 FAA_23 to 24_Exb ...

Project Documents:

Transmission Line

Cat 23-24 (Point on Static Wire)

None

Construction / Alteration Information

Notice Of: **Duration**:

Construction Permanent

if Temporary: Months: Days:

Work Schedule - Start:

Work Schedule - End:

04/15/2013 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: Longitude:

37° 18' 48.21" N 83° 10' 35.88" W

Horizontal Datum:

NAD83

Site Elevation (SE): Structure Height (AGL):

1107 (nearest foot) 269 (nearest foot) (nearest foot)

Current Height (AGL):

* 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):

* For Wind Turbines 500ft AGL or greater

(nearest foot)

Requested Marking/Lighting:

Spherical Markers

Other:

Recommended Marking/Lighting:

Dual medium catenary N/A New Structure

Current Marking/Lighting:

Other:

Nearest City:

Hazard **Nearest State:**

Kentucky

Description of Location:

On the Project Summary page upload any certified survey.

Mountainous terrain in eastern

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**

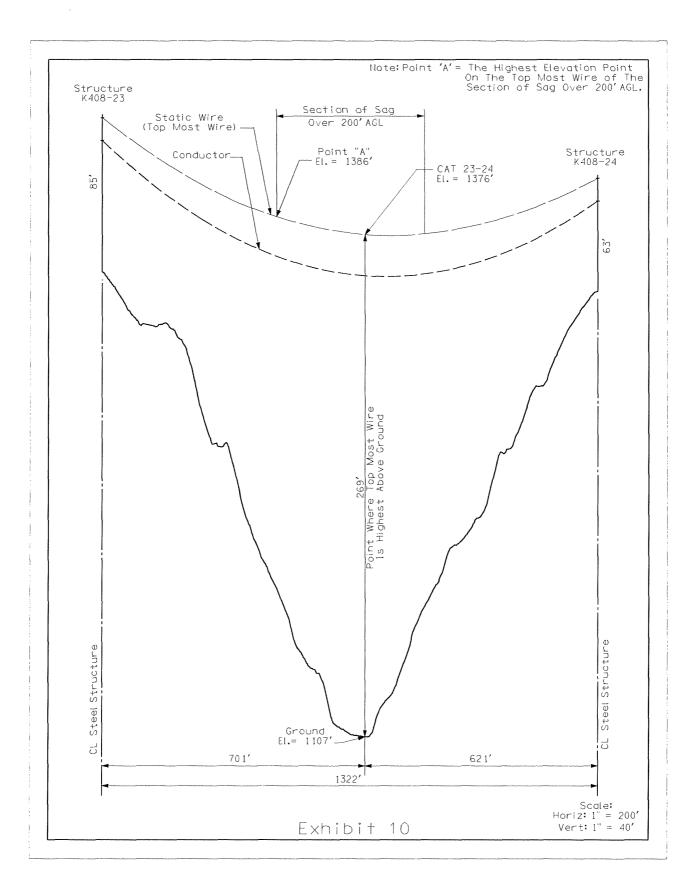
Low Freq

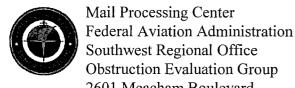
High Freq

Freq Unit ERP

ERP Unit

Specific Frequencies





2601 Meacham Boulevard Fort Worth, TX 76137

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)

X 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.

- (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.

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

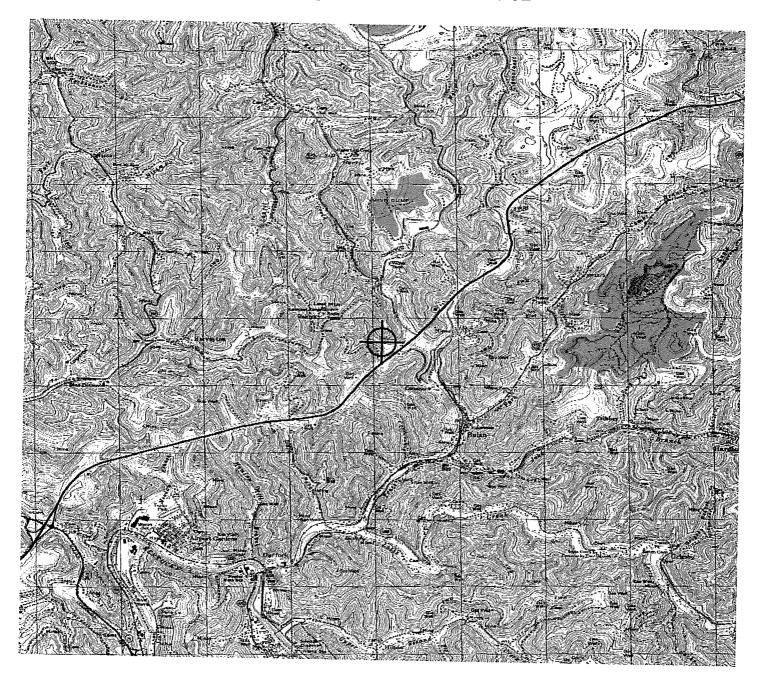
(DNE)

Fred Souchet Specialist

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.

TOPO Map for ASN 2012-ASO-10496-OE





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

if Temporary: Months: Days:

Date Accepted:

11/02/2012

Structure Summary

Structure Type:

Structure Name:

NOTAM Number: FCC Number:

Prior ASN:

Date Determined: 01/22/2013

Letters: Documents: 01/22/2013 🃆 DNE

Cat 24-25 (Point on Static Wire)

11/01/2012 📆 FAA_24 to 25_Exb ..

Project Documents:

Transmission Line

None

Construction / Alteration Information

Notice Of:

Construction

Duration:

Permanent

Work Schedule - Start:

Work Schedule - End:

04/15/2013

10/16/2014

To find out, use the Notice Criteria Tool. If separate notice is required, please ensure it is filed.

*For temporary cranes-Does the permanent structure require separate notice to the FAA?

If it is not filed, please state the reason in the Description of Proposal.

State Filing:

Structure Details

Latitude:

37° 18' 56.37" N

Longitude:

83° 10' 23.83" W

Horizontal Datum: Site Elevation (SE): NAD83 1124 (nearest foot)

Structure Height (AGL):

286 (nearest foot)

Current Height (AGL):

* 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):

* For Wind Turbines 500ft AGL or greater

(nearest foot)

(nearest foot)

Requested Marking/Lighting:

Spherical Markers

Recommended Marking/Lighting: Current Marking/Lighting:

Dual medium catenary N/A New Structure

Other:

Other:

Nearest City: Nearest State:

Hazard Kentucky

Description of Location:

On the Project Summary page upload any certified survey.

Description of Proposal:

Mountainous terrain in eastern

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

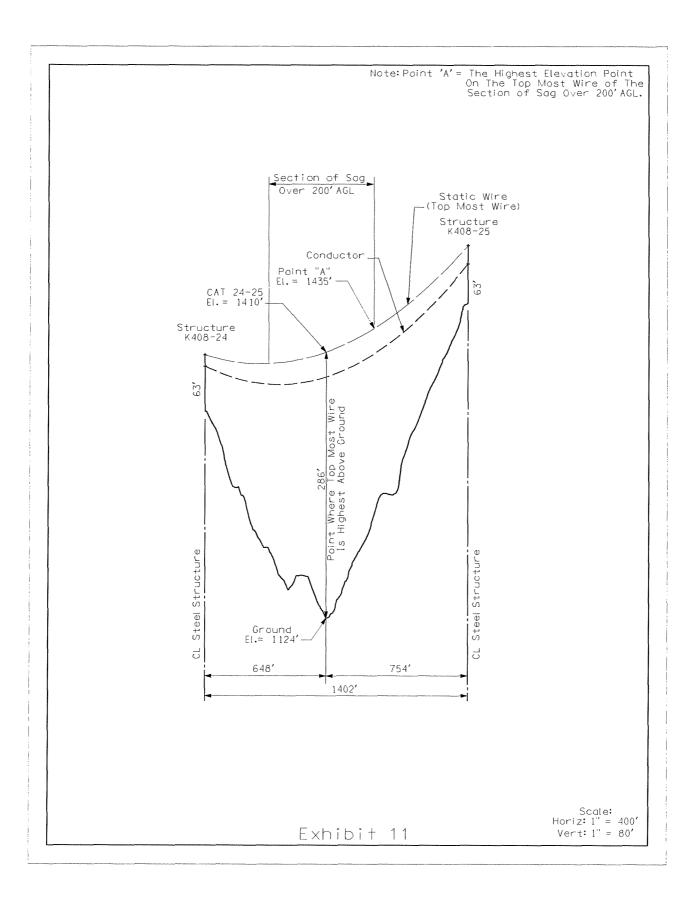
Low Fred

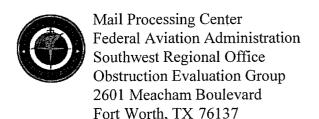
High Freq

Freq Unit ERP

ERP Unit

Specific Frequencies





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)

X 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.

- (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.

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

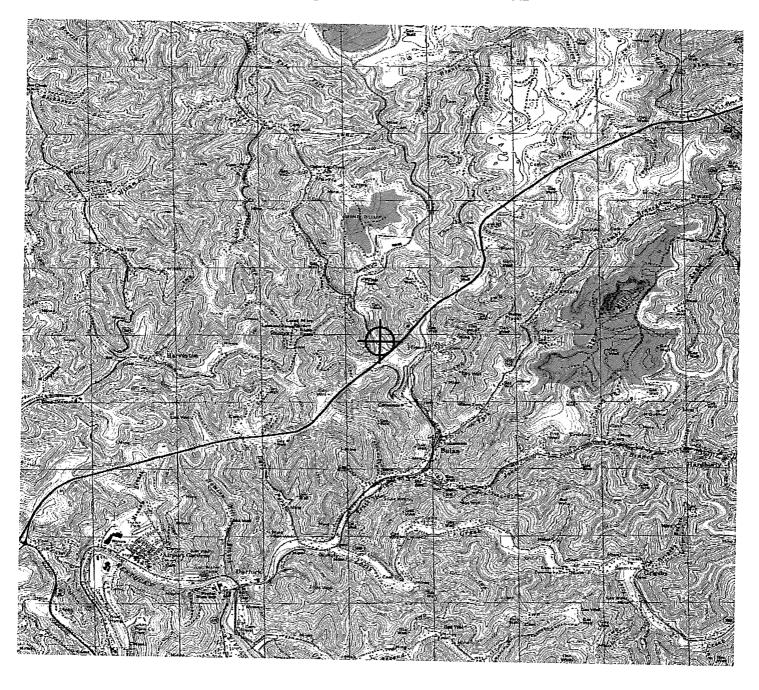
(DNE)

Fred Souchet Specialist

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.

TOPO Map for ASN 2012-ASO-10497-OE





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:

Letters:

Documents:

11/02/2012

Date Determined: 01/22/2013

01/22/2013 🏗 DNE

11/02/2012 📆 FAA_26 to 27_Exb ...

Project Documents:

None

Construction / Alteration Information

Notice Of:

Construction

Duration: if Temporary: Months: Days:

Permanent

Work Schedule - Start:

04/15/2013

Work Schedule - End:

10/16/2014

Structure Summary

Common Frequency Bands

High Freq

Structure Type:

Transmission Line

Cat 26-27 (Point on Static Wire)

Freq Unit ERP

ERP Unit

Structure Name: **NOTAM Number:** FCC Number:

Low Freq

Specific Frequencies

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° 19' 6.44" N

Longitude: Horizontal Datum: 83° 10' 1.74" W NAD83

Site Elevation (SE):

1076 (nearest foot) 312 (nearest foot)

Structure Height (AGL):

(nearest foot)

Current Height (AGL):

* For notice of alteration or existing provide the current

AGL height of the existing structure

Include details in the Description of Proposal

(nearest foot)

Nacelle Height (AGL):

Requested Marking/Lighting:

* For Wind Turbines 500ft AGL or greater

Spherical Markers

Other:

Recommended Marking/Lighting: Current Marking/Lighting:

Dual medium catenary

N/A New Structure

Other:

Hazard

Nearest City: Nearest State:

Kentucky

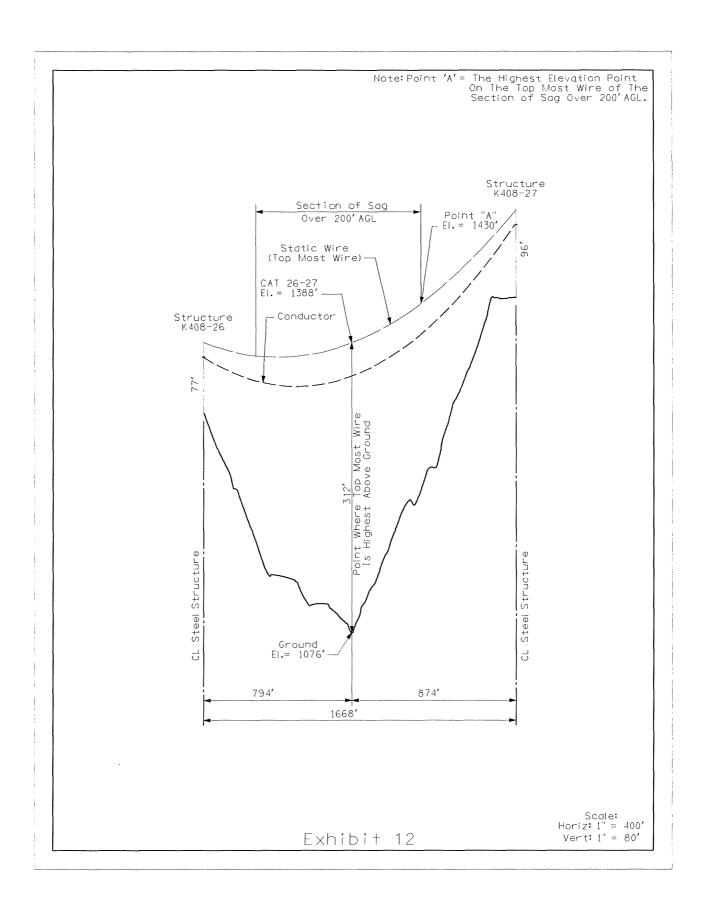
Description of Location:

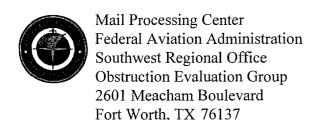
On the Project Summary page upload any certified survey.

Description of Proposal:

Mountainous terrain in eastern

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.





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)
X	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.

- (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.

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

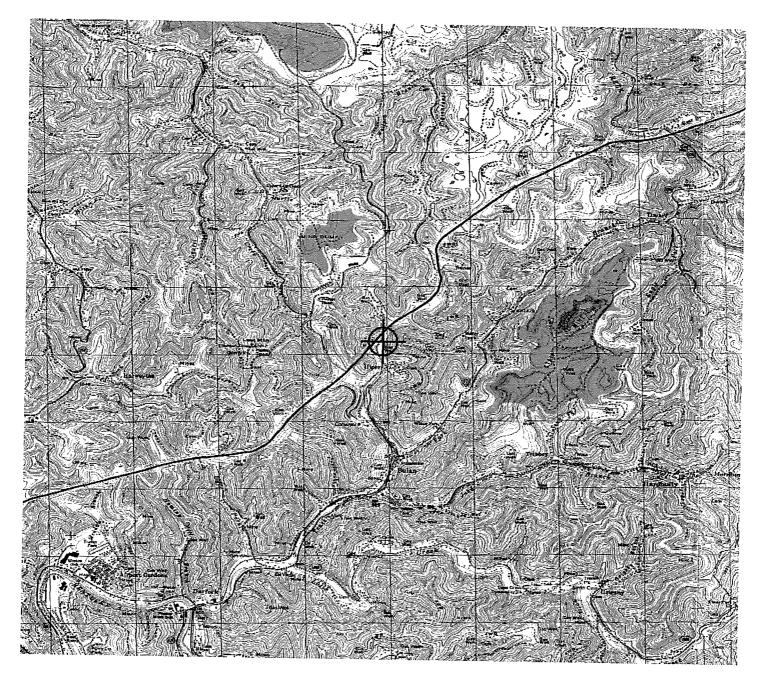
(DNE)

Fred Souchet Specialist

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.

TOPO Map for ASN 2012-ASO-10498-OE





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

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_27 to 28_Exb ...

Project Documents:

None

Construction / Alteration Information

Notice Of:

Construction

Duration:

Permanent

Work Schedule - Start:

if Temporary: Months: Days: 04/15/2013

Work Schedule - End:

10/16/2014

Structure Summary

Common Frequency Bands

High Freq

Structure Type: Structure Name: Transmission Line

Cat 27-28 (Point on Static Wire)

Freq Unit ERP

ERP Unit

NOTAM Number: FCC Number:

Low Freq

Specific Frequencies

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: Longitude: 37° 19' 13.08" N 83° 9' 45.79" W

Horizontal Datum:

NAD83

Site Elevation (SE): Structure Height (AGL): 1139 (nearest foot) 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):

* For Wind Turbines 500ft AGL or greater

(nearest foot)

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:

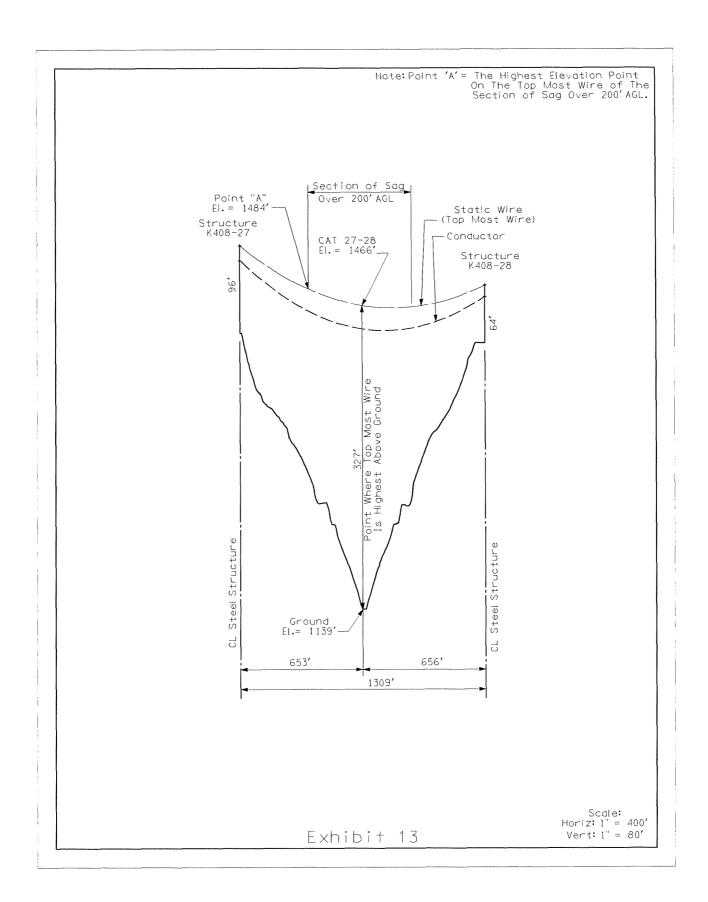
Kentucky

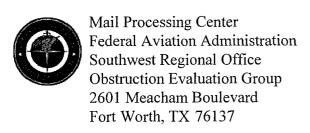
Description of Location: On the Project Summary page upload any certified survey.

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.





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:

	t least 10 days prior to start of construction (7460-2, Part I)	
X	Vithin 5 days after the construction reaches its greatest height (7460-2, Part I	I)

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.

- (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.

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

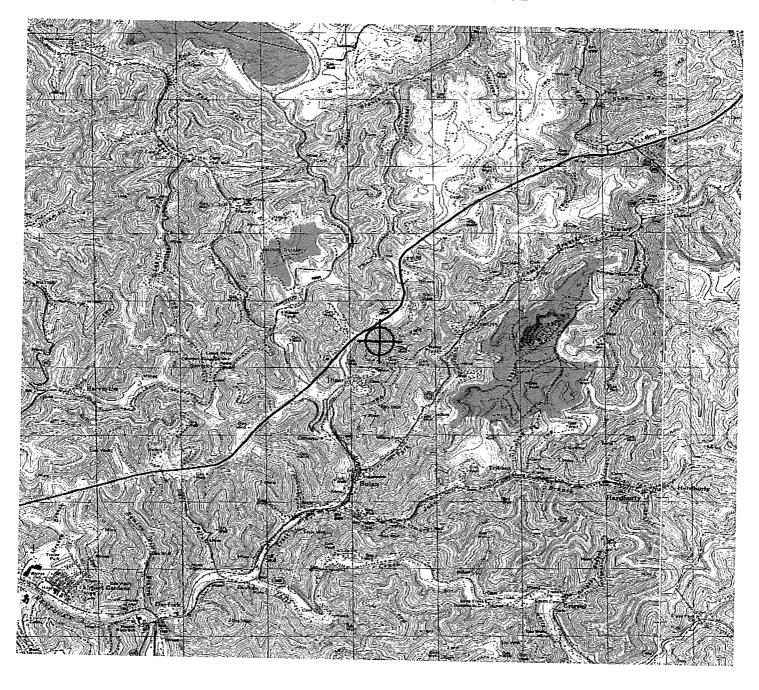
(DNE)

Fred Souchet Specialist

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.

TOPO Map for ASN 2012-ASO-10499-OE





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:

Date Accepted:

11/02/2012

Date Determined:

01/22/2013

Letters: Documents: 01/22/2013 📆 DNE

11/01/2012 📆 FAA_30 to 31_Exb ...

Project Documents:

None

Construction / Alteration Information

Notice Of:

Permanent

Duration:

if Temporary: Months: Days:

Work Schedule - Start: Work Schedule - End:

04/15/2013

10/16/2014

Structure Summary Structure Type:

Transmission Line

Structure Name: **NOTAM Number:** Cat 30-31 (Point on Static Wire)

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° 19' 35.20" N

Longitude:

83° 9' 19.04" W

Horizontal Datum:

NAD83

1377 (nearest foot) Site Elevation (SE): 240 (nearest foot) Structure Height (AGL): 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):

* For Wind Turbines 500ft AGL or greater

(nearest foot)

Requested Marking/Lighting:

Spherical Markers

Other:

Other:

Recommended Marking/Lighting:

Dual medium catenary N/A New Structure

Current Marking/Lighting:

Hazard

Nearest City: Nearest State:

Kentucky

Description of Location:

Mountainous terrain in eastern

On the Project Summary page upload any certified survey.

Description of Proposal:

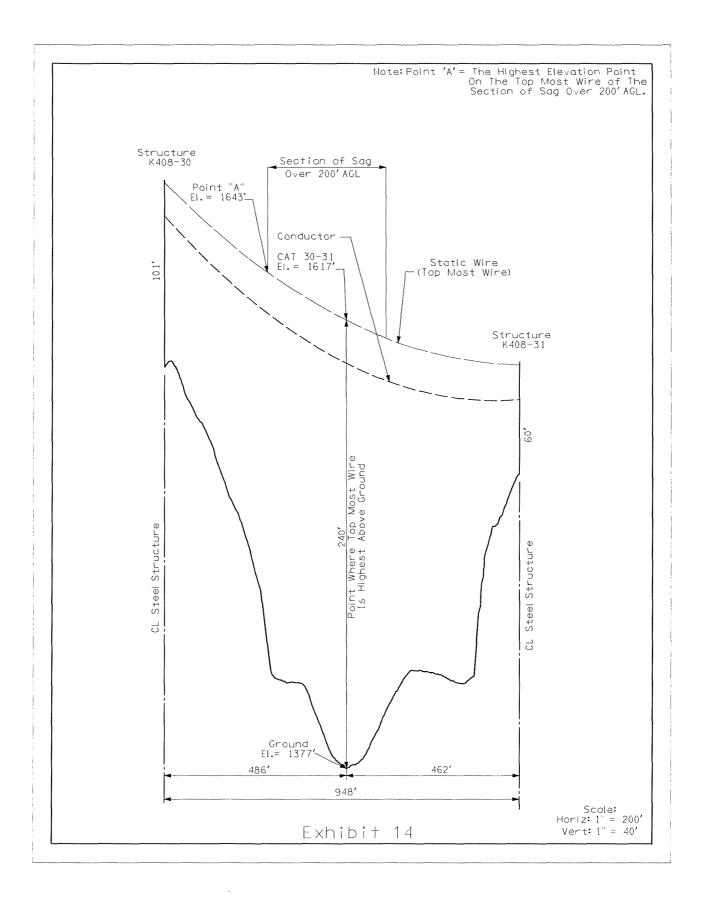
This filing is not for a structure, but is a point on a static wire where it is the highest AGL, (See attached exhibit) Bonnyman to Soft Shell 138kV K408.

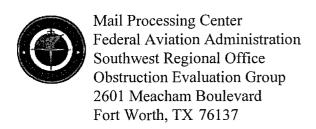
Common Frequency Bands

Specific Frequencies

Low Freq High Freq Freq Unit ERP

ERP Unit





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)
_X	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

(DNE)

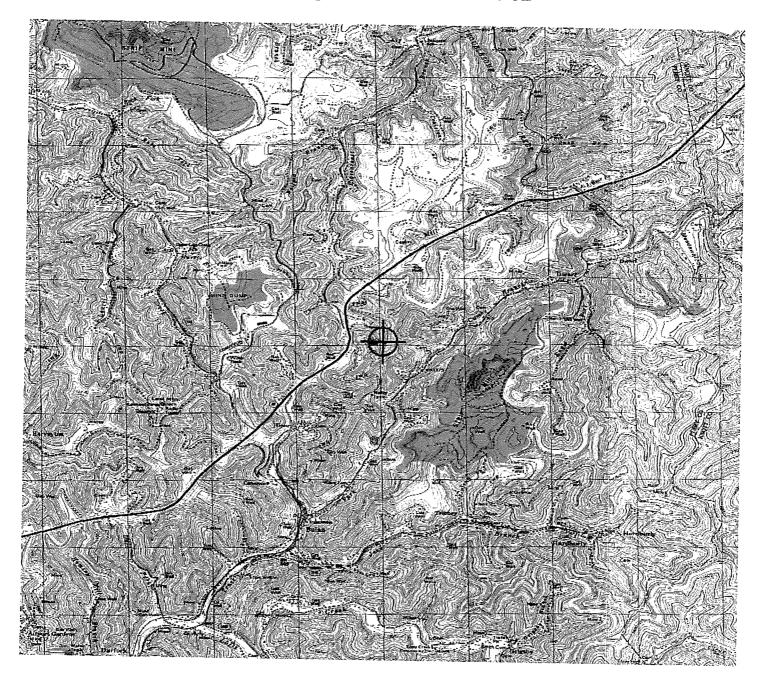
Fred Souchet Specialist

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.

TOPO Map for ASN 2012-ASO-10500-OE





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:

Letters:

Documents:

11/02/2012

Date Determined: 01/22/2013

01/22/2013 📆 DNE

11/01/2012 📆 FAA_31 to 32_Exb ...

Project Documents:

Transmission Line

Cat 31-32 (Point on Static Wire)

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.

Structure Details

Latitude: Longitude: 37° 19' 43.79" N 83° 9' 3.44" W

262 (nearest foot)

NADR3 **Horizontal Datum:**

Site Elevation (SE):

1177 (nearest foot)

Structure Height (AGL):

Current Height (AGL):

* 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):

* For Wind Turbines 500ft AGL or greater

(nearest foot)

(nearest foot)

Requested Marking/Lighting:

Spherical Markers Other:

Other:

Recommended Marking/Lighting:

Current Marking/Lighting:

N/A New Structure

Dual medium catenary

Nearest City: Hazard

Description of Location:

Nearest State:

On the Project Summary page upload any certified survey.

Description of Proposal:

Kentucky

Mountainous terrain in eastern

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.

FCC Number: Prior ASN:

Structure Summary

Structure Type:

Structure Name:

NOTAM Number:

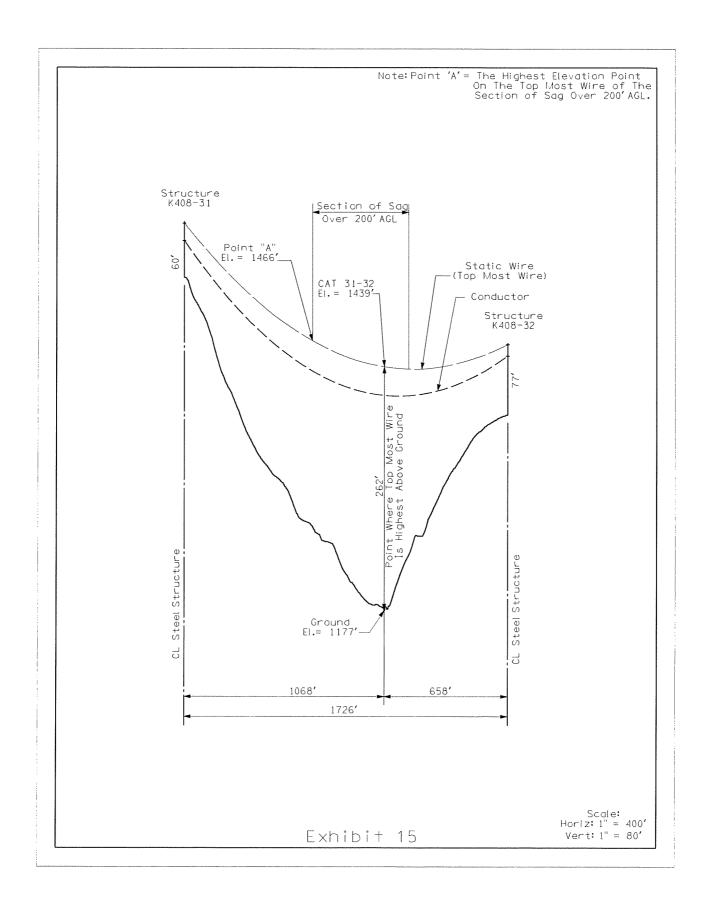
Common Frequency Bands

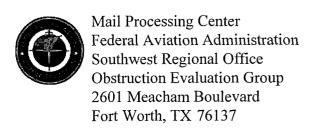
Low Frea High Frea

Freq Unit ERP

ERP Unit

Specific Frequencies





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)
X	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)

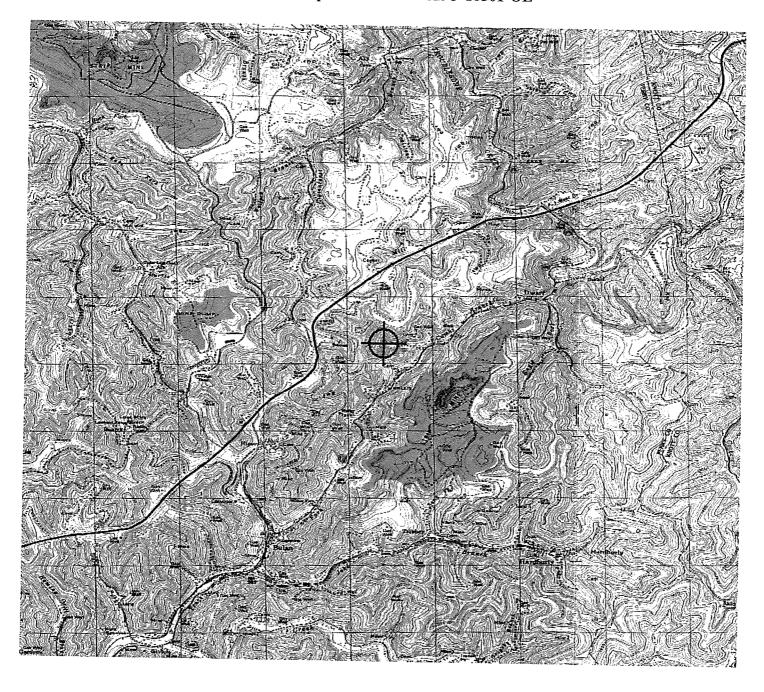
Fred Souchet Specialist

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.

TOPO Map for ASN 2012-ASO-10501-OE





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

ASN:

2012-ASO-10502-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

01/22/2013 🃆 DNE

Cat 34-35 (Point on Static Wire)

Documents:

Structure Summary

Structure Type:

Structure Name:

NOTAM Number: FCC Number:

Prior ASN:

Letters:

11/01/2012 📆 FAA_34 to 35_Exb ...

Project Documents:

Transmission Line

None

Construction / Alteration Information

Notice Of:

Construction Permanent

Duration:

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° 20' 2.90" N

Longitude:

83° 8' 30.02" W

Horizontal Datum:

NAD83 1083 (nearest foot)

Site Elevation (SE): 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

Nacelle Height (AGL):

* For Wind Turbines 500ft AGL or greater

(nearest foot)

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:

On the Project Summary page upload any certified survey.

Description of Proposal:

Mountainous terrain in eastern

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

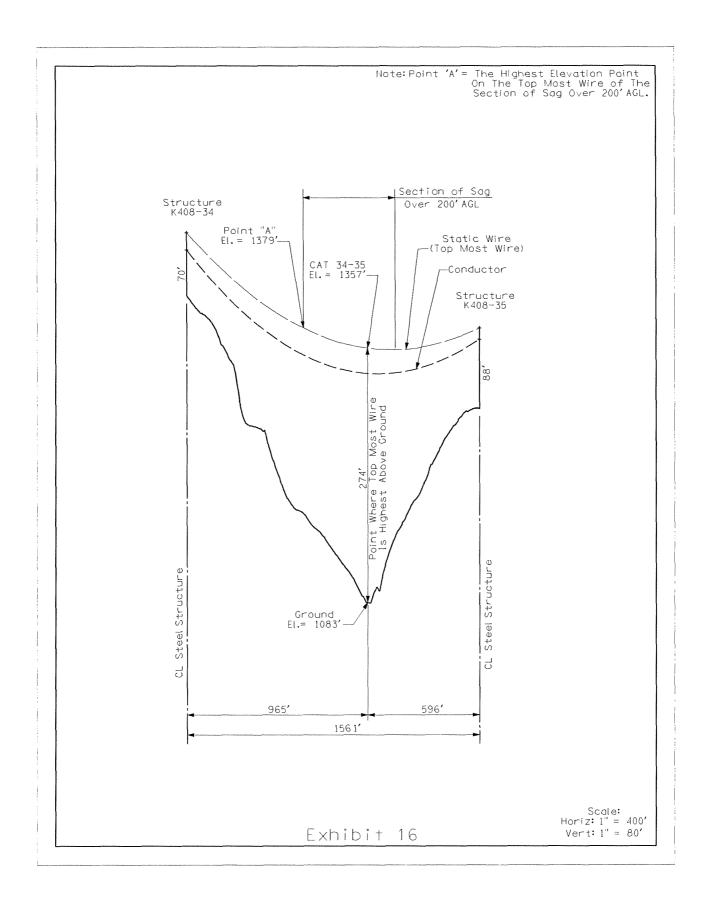
Low Freq

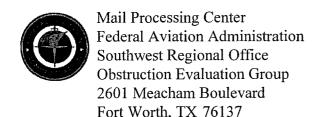
High Freq

Freq Unit ERP

ERP Unit

Specific Frequencies





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 da	ys prior to	start of cons	struction (7	460-2, Pai	rt I)		
X	Within 5 day	s after the	construction	reaches its	greatest h	eight (7	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.

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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

(DNE)

Fred Souchet Specialist

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.

TOPO Map for ASN 2012-ASO-10502-OE

