

EAST KENTUCKY NETWORK  
101 TECHNOLOGY TRAIL  
IVEL, KY 41642  
PHONE: (606) 874-7550  
FAX: (606) 874-7551

EAST KENTUCKY  
NETWORK



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JAN 7 2016

Public Service  
Commission

December 22, 2015

Linda Faulkner, Division Director Filings  
Public Service Commission  
211 Sower Blvd.  
P.O. Box 615  
Frankfort, KY 40602-0615

RE: Public Service Commission of Kentucky (Case No. 2015-00128)

Dear Ms. Faulkner:

Please find enclosed the approval letters from the FAA and KAZC for the Middlesboro Tower (Case No. 2015-00128).

If you have any questions, feel free to contact me at 606-477-2355, ext. 1007 or via email [lhane@ekn.com](mailto:lhane@ekn.com).

Sincerely,

Lynn Haney  
Regulatory Compliance Director

Enclosures



**KENTUCKY AIRPORT ZONING COMMISSION**

STEVEN BESHEAR  
Governor

90 Airport Road, Bldg 400  
Frankfort, KY 40601  
[www.transportation.ky.gov/aviation](http://www.transportation.ky.gov/aviation)  
502 564-4480

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Public Service  
Commission

December 21, 2015

**APPROVAL OF APPLICATION**

**APPLICANT:**

East Kentucky Network, LLC.  
East Kentucky Network, LLC.  
8300 Greensboro Drive|Suite 1200  
McLean, VA 22102

**SUBJECT: AS-007-1A6-2015-088**

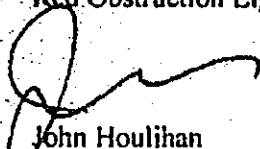
**STRUCTURE:** Antenna Tower  
**LOCATION:** Middlesbors, KY  
**COORDINATES:** 36° 38' 31.43" N / 83° 46' 22.20" W  
**HEIGHT:** 200' AGL/3189' AMSL

The Kentucky Airport Zoning Commission has approved your application for a permit to construct 200' AGL/ 3189' AMSL Antenna Tower near Middlesbors, KY 36° 38' 31.43" N / 83° 46' 22.20" 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.

Red Obstruction Lighting is required in accordance with 602 KAR 50:100.



John Houlihan  
Administrator



An Equal Opportunity Employer M/F/D



**KENTUCKY AIRPORT ZONING COMMISSION**

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**CONSTRUCTION/ALTERATION STATUS REPORT**

December 21, 2015

AERONAUTICAL STUDY NUMBER: AS-007-1A6-2015-088

East Kentucky Network, LLC.  
East Kentucky Network, LLC.  
8300 Greensboro Drive/Suite 1200  
McLean, VA 22102

This concerns the permit which was issued to you by the Kentucky Airport Zoning Commission on December 21, 2015. 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: Antenna Tower  
LOCATION: Middlesbors, KY  
COORDINATES: 36° 38' 31.43" N / 83° 46' 22.20" W  
HEIGHT: 200' AGL / 3189' AMSL

**CONSTRUCTION/ALTERATION STATUS**

- The project ( ) is abandoned. ( ) is not abandoned.
- Construction status is as follows:  
 Structure reached its greatest height of \_\_\_\_\_ ft. AGL  
 \_\_\_\_\_ ft. AMSL on \_\_\_\_\_ (date).  
 Date construction was completed. \_\_\_\_\_  
 Type of obstruction marking/painting. \_\_\_\_\_  
 Type of obstruction lighting. \_\_\_\_\_  
 As built coordinates. \_\_\_\_\_  
 Miscellaneous Information. \_\_\_\_\_  
 DATE \_\_\_\_\_  
 SIGNATURE/TITLE \_\_\_\_\_





KENTUCKY AIRPORT ZONING COMMISSION

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

APPLICANT (name) East Kentucky Network, LLC c/o LNGS		PHONE 703-584-8667	FAX 703-584-8692	KY AERONAUTICAL STUDY # AS-007-1AG-2015-689	
ADDRESS (street) 8300 Greensboro Dr, #1200		CITY McLean		STATE VA	ZIP 22102
APPLICANT'S REPRESENTATIVE (name) Ali Kuzehkanani		PHONE 703-584-8667	FAX 703-584-8692		
ADDRESS (street) 8300 Greensboro Dr, #1200		CITY McLean		STATE VA	ZIP 22102
APPLICATION FOR <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Alteration <input type="checkbox"/> Existing				WORK SCHEDULE	
DURATION <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary (months days )				Start 09/25/15 End 09/30/15	
TYPE <input type="checkbox"/> Crane <input type="checkbox"/> Building <input checked="" type="checkbox"/> Antenna Tower <input type="checkbox"/> Power Line <input type="checkbox"/> Water Tank <input type="checkbox"/> Landfill <input type="checkbox"/> Other		MARKING/PAINTING/LIGHTING PREFERRED <input type="checkbox"/> Red Lights & Paint <input type="checkbox"/> White- medium intensity <input type="checkbox"/> White- high intensity <input checked="" type="checkbox"/> Dual- red & medium intensity white <input type="checkbox"/> Dual- red & high intensity white <input type="checkbox"/> Other			
LATITUDE 36°38'31.43"		LONGITUDE 83°46'22.20"		DATUM <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> Other	
NEAREST KENTUCKY City Middlesboro County Bell		NEAREST KENTUCKY PUBLIC USE OR MILITARY AIRPORT Middlesboro-Bell County Airport			
SITE ELEVATION (AMSL, feet) 2989		TOTAL STRUCTURE HEIGHT (AGL, feet) 310-200 see aerial photo 11-9-15		CURRENT (FAA aeronautical study #)	
OVERALL HEIGHT (site elevation plus total structure height, feet) <del>3299</del> 3189				PREVIOUS (FAA aeronautical study #)	
DISTANCE (from nearest Kentucky public use or Military airport to structure) 3.0 mi				PREVIOUS (KY aeronautical study #)	
DIRECTION (from nearest Kentucky public use or Military airport to structure) NW					
DESCRIPTION OF LOCATION (Attach USGS 7.5 minute quadrangle map or an airport layout drawing with the precise site marked and any certified survey.) Approx. 3.5 miles NW of Middlesboro (Bell), KY					
DESCRIPTION OF PROPOSAL A new 300' tower with top-mounted antennas (overall height of 310' AGL)					
FAA Form 7460-1 (Has the "Notice of Construction or Alteration" been filed with the Federal Aviation Administration?) <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes, when? 08/21/15					
CERTIFICATION (I hereby certify that all the above entries, made by me, are true, complete, and correct to the best of my knowledge and belief.)					
PENALTIES (Persons failing to comply with KRS 183.861 to 183.990 and 602 KAR 050 are liable for fines and/or imprisonment as set forth in KRS 183.990(3). Noncompliance with FAA regulations may result in further penalties.)					
NAME Ali Kuzehkanani	TITLE Dir of Engineering	SIGNATURE <i>Ali Kuzehkanani</i>		DATE 08/21/15	
COMMISSION ACTION <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved					
SIGNATURE <i>[Signature]</i>				DATE 12-21-15	



Mail Processing Center  
 Federal Aviation Administration  
 Southwest Regional Office  
 Obstruction Evaluation Group  
 10101 Hillwood Parkway  
 Fort Worth, TX 76177

Aeronautical Study No.  
 2015-ASO-13540-OE

Issued Date: 10/30/2015

Ali Kuzehkanani  
 East Kentucky Network, LLC  
 8300 Greensboro Drive, Suite 1200  
 McLean, VA 22102

**\*\* 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: Antenna Tower Middlesboro  
 Location: Middlesboro, KY  
 Latitude: 36-38-31.43N NAD 83  
 Longitude: 83-46-22.20W  
 Heights: 2989 feet site elevation (SE)  
 200 feet above ground level (AGL)  
 3189 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:

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

Based on this evaluation, marking and lighting are not necessary for aviation safety. However, if marking/lighting are accomplished on a voluntary basis, we recommend it be installed and maintained in accordance with FAA Advisory circular 70/7460-1 K Change 2.

This determination expires on 04/30/2017 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.

A copy of this determination will be forwarded to the Federal Communications Commission (FCC) because the structure is subject to their licensing authority.

If we can be of further assistance, please contact our office at (816) 329-2523. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2015-ASO-13540-OE.

**Signature Control No: 261518696-270619745**

( DNE )

Steve Phillips  
Specialist

Attachment(s)  
Frequency Data  
Map(s)

cc: FCC

Frequency Data for ASN 2015-ASO-13540-OE

LOW FREQUENCY	HIGH FREQUENCY	FREQUENCY UNIT	ERP	ERP UNIT
698	806	MHz	1000	W
806	824	MHz	500	W
824	849	MHz	500	W
851	866	MHz	500	W
869	894	MHz	500	W
896	901	MHz	500	W
901	902	MHz	7	W
930	931	MHz	3500	W
931	932	MHz	3500	W
932	932.5	MHz	17	dBW
935	940	MHz	1000	W
940	941	MHz	3500	W
1850	1910	MHz	1640	W
1930	1990	MHz	1640	W
2305	2310	MHz	2000	W
2345	2360	MHz	2000	W







