



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

Aeronautical Study No.
2016-ACE-1544-OE
Prior Study No.
2013-ACE-589-OE

Issued Date: 03/07/2017

Vic Michael
Kona Coast Radio, LLC
87 Jasper Lake Road
Loveland, CO 80537

**** NOTICE OF PRESUMED HAZARD ****

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 - Side Mount Tabor
Location:	Tabor, IA
Latitude:	40-56-57.04N NAD 83
Longitude:	95-45-29.03W
Heights:	1280 feet site elevation (SE) 197 feet above ground level (AGL) 1477 feet above mean sea level (AMSL)

Initial findings of this study indicate that the structure as described exceeds obstruction standards and/or would have an adverse physical or electromagnetic interference effect upon navigable airspace or air navigation facilities. Pending resolution of the issues described below, the structure is presumed to be a hazard to air navigation.

See Attachment for Additional information.

The study revealed that the potential for electromagnetic interference exists. See attached page(s) for further information.

NOTE: PENDING RESOLUTION OF THE ISSUE(S) DESCRIBED ABOVE, THE STRUCTURE IS PRESUMED TO BE A HAZARD TO AIR NAVIGATION. THIS LETTER DOES NOT AUTHORIZE CONSTRUCTION OF THE STRUCTURE EVEN AT A REDUCED HEIGHT. ANY RESOLUTION OF THE ISSUE(S) DESCRIBED ABOVE MUST BE COMMUNICATED TO THE FAA SO THAT A FAVORABLE DETERMINATION CAN SUBSEQUENTLY BE ISSUED.

IF MORE THAN 60 DAYS FROM THE DATE OF THIS LETTER HAS ELAPSED WITHOUT ATTEMPTED RESOLUTION, IT WILL BE NECESSARY FOR YOU TO REACTIVATE THE STUDY BY FILING A NEW FAA FORM 7460-1, NOTICE OF PROPOSED CONSTRUCTION OR ALTERATION.

If we can be of further assistance, please contact our office at (816) 329-2508. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2016-ACE-1544-OE.

Signature Control No: 287935591-324470155

(NPH)

Vee Stewart

Specialist

Attachment(s)

Additional Information

Additional information for ASN 2016-ACE-1544-OE

The existing structure is located approximately:

12.28 NM southeast of the Airport Reference Point for the Offutt AFB (OFF), Omaha, NE

22.1 NM south of the Airport Reference Point for Eppley Airfield (OMA), Omaha, NE

The FM broadcast frequency of 107.7 (KIMI) would be objectionable and poses a hazard to navigable airspace based on impacts identified by the FAA's Frequency Management Officer, as follows:

The localizers found to be at risk from the proposed FM broadcast station are Offutt AFB LOCs OFF (RWY 30 and RWY 12) and Eppley Airfield LOC (OGN). Following is the analysis of Brute Force, 2 and 3 signal intermodulation used to determine this risk::: Offutt AFB (KOFF - OFF, rwy 30 and 12): $2 * 107.7 \text{ (PROP)} - 105.9 \text{ (KKCD)} = 109.5 \text{ (OFF rwy 30)}$; $107.7 \text{ (PROP)} + 104.5 \text{ (KSRZ)} - 102.7 \text{ (KVSS)} = 109.5 \text{ (OFF rwy 30)}$; $107.7 \text{ (PROP)} + 103.7 \text{ (KXKT)} - 101.9 \text{ (KOOO)} = 109.5 \text{ (OFF rwy 30)}$::: $107.7 \text{ (PROP)} + 105.9 \text{ (KKCD)} - 101.9 \text{ (KOOO)} = 111.7 \text{ (OFF rwy 12)}$::: Eppley Airfield Omaha NE (OGN rwy 36): $107.7 \text{ (PROP)} + 103.7 \text{ (KXKT)} - 100.7 \text{ (KGBI)} = 110.7 \text{ (OGN)}$

Offutt AFB has approximately 23,000 IFR operations each year and Eppley Airfield has approximately 97,427 operations each year. Therefore, the use of this frequency would create a significant adverse effect on aviation and is unacceptable.

Please advise Vee Stewart via e-mail (vee.stewart@faa.gov) of your intentions for this aeronautical study.