

Environmental Assessment  
JHT Ventures, Inc., Licensee:  
KULF (AM) 1090 kHz  
Bellville, Texas  
Seeks: Minor Changes to Licensed Facility

**Introduction and Summary**

This environmental assessment has been conducted in accordance with 47 Code of Federal Regulations (CFR) 1.1307 for proposed structures associated with radio antenna for KULF AM 1090 kHz (formerly KNUZ and KBAL), JHT Ventures, Inc. ("JHT") located at a site southwest of Harpers Church Road 3.28 km west of the intersection of Harpers Church Road and McKenzie Road in rural Waller County, Texas with the geographic center of the array located at North Latitude: 29° – 56' – 05", West Longitude: 96° – 06' – 47". This assessment was conducted to complete the requirements for the application of the construction permit for the proposed station operations contained in the instant application..

JHT proposes to build and operate a radio station transmission system at the above cited location. Representatives of JHT have visited the site on a number of occasions, including during the operation of Special Temporary Authorization station KY5XND upon which field strength readings company the instant application. Among those visits, JHT representatives documented existing conditions. The appropriate databases have been searched to determine the potential impact of the proposed activity on the natural environment.

Based on the site inspection the documentation available for review, a significant environmental impact on the site will not occur for the subject environmental conditions specified in Section 47 Code of the Federal Regulations (CFR) Section 1.1307. The instant proposal is therefore, categorically exempt from Section 1.1307 of the rules.

**Determination Process and Determination**

This environment assessment has been conducted in Accordance with 47 Code of Federal Regulations (CFR), Section 1.1307 for proposed structures associated with radio antenna for KULF AM 1090 kHz located at a site cited in the introduction on Page: 1 above.

The site consists of undeveloped pasture land with no building improvements. There is an unpaved roadways on the north (Harpers Church Road). The east, south and west sides of the property are undeveloped pasture land.

The site itself consists of undeveloped pasture land with no building improvements. There are dirt farm roadways crossing portions of the site. The National Wilderness Preservation System database does not include the proposed site in its database. The site has been utilized for cattle grazing as pasture land for many years.

The applicant has made a thorough search of the following databases and finds that:

1. The land cited above is not located in an officially designated wilderness area; nor is it located in an officially designated wildlife preserve.
2. The site is not included in the National Park Service National Register Information (NPSNRI) database which was searched for known archeological and architectural sites near the proposed KULF site as well as known Native American religious sites. Of nine sites listed on the National Register of Historic Places and 16 places referenced in the Texas Historical Commission database for Waller County, the proposed KNUZ site was not among them nor were any of the listed sites located within a 5 mile radius of the proposed 1090 kHz site.
3. A search of the Federal Emergency Management Agency Flood map and the National Wetlands Inventory maps indicate that the site is not included in any wetlands area; HOWEVER, the site is inside the flood plain of the Brazos River. Specifically, Public Map # 4847C0250E which includes the proposed KNUZ site, does include the site as being in the flood plain. JHT states it will take all necessary and prudent measures to insure that no functional part of the proposed antenna lies within the level of the 100 year flood plain which is indicated to be 142 ft. (43.3 m) which means antenna base piers and support piers for the transmitter building will be elevated by 5.0 feet (1.5 m) to remain above the 100 year flood line.

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4. There is no reference to the site being a part of any protected endangered species district.

5. The proposed construction will not significantly alter the surface topography of the proposed transmitter site. A minimum amount of soil disturbance (amounting to less than 100 square feet per tower) will occur in the installation of each of the proposed two towers of the array. The ground system will be plowed utilizing a  $\frac{3}{4}$ " straight blade plow and the transmitter building will occupy less than 1000 square feet of surface area.

6. The site is not located in an area of historic or religious interest to any Native American organization or tribe.

### Radio Frequency Exposure Practice and Procedure

The proposed new KULF 1090 kHz facilities was evaluated for potential human exposure to non-ionizing radiofrequency energy using the procedures outlined in the Commission's OET Bulletin N0. 65 ("QET 65")(Edition: 97.01). QET 65 describes means of determining whether a proposed facility exceeds the radiofrequency exposure guidelines as adopted in 47 CFR, Section 1.1310. Under present Commission policy, a facility may be presumed to comply with the limits specified under Section 1.1310 if it satisfies the exposure criteria as set forth in QET 65.

KULF (AM) – The proposed KULF 1090 kHz facilities at Bellville, Texas would operate on a frequency of 1090 kHz with a power of 10.00 kW Daytime only. Each tower will employ radiating elements of  $71.7^\circ$  or slightly less than 0.25 wavelength. For the purpose of this study, a worst case scenario of 5000 watts non-directional was utilized in determining a safe distance from each tower. The U.S. Census database indicates there are no persons living within the 1.0 V/m contour of the proposed facility.

The determination was made that AM towers with a total input power of 5000 watts or less, the non-ionizing radiation will fall to safe levels at a distance of well less than 5.10 meters. Fences will be built around the base of each tower to achieve these levels of protection. Access to areas within the fences will be limited by means of locked gates. In addition to these measures, signs will also be posted warning of the potential to exposure to excessive levels of non-ionizing radiofrequency radiation.

Exposure to the general population/uncontrolled and occupational/controlled maximum permissible radiation exposure limits specified in 1.1310 of the rules. The applicant will take all steps necessary to limit both general public exposure as well as occupational exposure to radiofrequency. The applicant will adhere to the rules in effect at the time of potential exposure.

### Conclusion

Based on the preceding, the instant proposal may be categorically excluded from environmental proceedings under Section 1.1307 of the Rules. If deemed necessary, further information regarding the environmental aspects of this proposal will be provided.

### Exhibits

Any number of exhibits exist to support the information provided in this Section 1.1307 presentation; however, in light of limited file space on CDBS filings such the instant application, those exhibits have not been attached to this exhibit. SBC will be pleased to provide Commission staff with any such exhibits deemed necessary.