

RADIO FREQUENCY FIELD LEVEL

An evaluation of the Radio Frequency Fields around the base of the tower has been completed with information from the Commission's Consolidated Database System (CDBS) dated May 20, 2002. A search of the CDBS returned only one station currently operating from the proposed tower, KNRR-TV. The search did not return any FM stations within 0.5 kilometers nor did it return any AM stations within 5 kilometers.

The existing KNRR-TV facility operates with an ERP of 316 kilowatts at 431.0 meters above the base of the tower. The total contribution of KNRR-TV to the RFF around the base of the tower, assuming a 0.120 antenna downward radiation factor, is $0.41\mu\text{W}/\text{cm}^2$. This value corresponds to less than 0.05% of the maximum occupational exposure level and 0.21% of the maximum uncontrolled exposure level. The proposal contributes another $1.48\mu\text{W}/\text{cm}^2$ to the total RFF field resulting in a total RFF field of $1.89\mu\text{W}/\text{cm}^2$ when assuming an antenna downward radiation factor of 0.1. This resultant value is less than 0.14% of the maximum occupational exposure rate and less than 0.68% of the uncontrolled exposure rate.

FCC RULE, SECTION 1.1307

The proposed operation based upon the current OET Bulletin No. 65, Edition 97-01, dated August 1997 and Supplement A meets the provisions of the FCC radio frequency field guidelines, and thus, complies with Section 1.1307 of the FCC Rules.

An environmental assessment (EA) is categorically excluded under Section 1.1307 of the FCC Rules and Regulations since the applicant indicates:

- (a)(1) The existing site is not located in an officially designated wilderness area.
- (a)(2) The existing site is not located in an officially designated wildlife preserve.
- (a)(3) The proposed facilities will not affect any listed threatened or endangered species

or habitats.

- (a)(3)(ii) The proposed facilities will not jeopardize the continued existence of any proposed endangered or threatened species or likely to result in the destruction or adverse modification of proposed critical habitats.
- (a)(4) The proposed facilities will not affect any known districts, sites, buildings, structures, or objects significant in American history, architecture, archaeology, engineering or culture.
- (a)(5) The existing site is not located near any known Indian religious sites.
- (a)(6) The existing site is not located in a flood plain.
- (a)(7) The installation of the new antenna on the tower will not involve a significant change in surface features of the ground in the vicinity of the tower.
- (a)(8) It is not proposed to change the current lighting on the tower.
- (b) Workers and the general public will not be subjected to RFF levels in excess of the current FCC guidelines. Authorized personnel will be alerted to areas of the antennas where potential radiation is in excess of the FCC guidelines.