



ENGINEERING STATEMENT
OF
JOHN F.X. BROWNE, P.E.
IN SUPPORT OF AN APPLICATION FOR
CONSTRUCTION PERMIT FOR AUXILIARY FACILITY
WNIN-FM
EVANSVILLE, IN

Background

Tri-State Public Teleplex Inc. (Tri-State) is the licensee of non-commercial WNIN-FM, Channel 202, a Class B FM station operating on 88.3 MHz in Evansville, IN. Tri-State has a construction permit to move the facility to a new tower (BPED-20011213ABP Facility ID# 590679). This facility has been constructed and form 302 is on file. It is now applying for a construction permit for an auxiliary facility.

Description

The proposed auxiliary facility will use the same tower as specified in the construction permit for the main facility (ASR# 1231157). A 6-bay omni-directional radiator will be placed at 195m AGL (225m HAAT). The side mounted antenna will not increase the overall height of the existing structure and, therefore, no change in the ASR is required. The equivalent ERP for a Class B station at this HAAT is calculated to be 22.5 kW using the method outlined in the Commission's rules.



RFR/Environmental

The proposed construction does not involve any elements which would trigger the requirement for preparation of an Environmental Assessment.

The ground level radiation is calculated to be 0.000197 mW/cm^2 , which is much less than 1% of the MPE for public exposure at this frequency.

Workers on the tower in the proximity of the antenna could be exposed to fields which exceed the MPE for occupational exposure. To ensure a compliant environment, Tri-State will reduce power or cease operation as necessary when workers are in the vicinity of the antenna. Workers on the tower will be encouraged to wear personal RFR monitors while working on the tower. Signage is in place warning of the potential RFR hazard on the tower. The tower is enclosed by a locked security fence to limit access to authorized persons only.

Certification

I hereby certify that the foregoing report or statement was prepared by me but may include work performed by others under my supervision or direction. The statements of fact contained therein are believed to be true and correct based on personal knowledge, information and belief unless otherwise stated; with respect to facts not known of my own personal knowledge, I believe them to be true and correct based on their origin from sources known to me to be generally reliable and accurate. I have prepared this document with due care and in accordance with applicable standards of professional practice.

BA handwritten signature in black ink, appearing to read "John F.X. Browne", written over a horizontal line.

John F.X. Browne, P.E.

September 29, 2003