

ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of KTVI LICENSE, INC., licensee of KTVI-DT, Saint Louis, Missouri, in support of its Application for Construction Permit specifying an increase in ERP.

Antenna data appears as Exhibit B, and a tabulation of terrain and contour data comprises Exhibit C. Exhibit D is a map of the digital service contour. Since the proposed ERP is greater than that specified in the allotment, an allocation study is included in Exhibit E. It is not expected that the proposed facility will cause objectionable interference to any authorized stations, but KTVI-DT recognizes its obligation to correct any such interference that may occur. Since there is to be no change in the location or overall height of this structure, the FAA has not been advised of this proposal.

We have studied the RF transmissions of this facility with regard to their environmental effect. Employing the methods set forth in *OST Bulletin No. 65* and considering the vertical pattern of the Andrew antenna, we calculate maximum power density two meters above ground from the proposed facility to be 0.0015 mw/cm^2 at locations 230 meters from the tower base, which is but 0.35 percent of the 0.43 mw/cm^2 reference for uncontrolled areas at this frequency. Further, KTVI-DT will take whatever preventive steps are necessary, such as reducing power or leaving the air temporarily, to ensure that workers operating in the vicinity of the antenna are not exposed to excessive RF energy. On this basis, a grant of this application would clearly be a minor environmental action.

EXHIBIT A

I declare under penalty of perjury that the foregoing statements and the attached Engineering Report, which was prepared by me or under my immediate supervision, are true and correct to the best of my knowledge and belief.

A handwritten signature in black ink, appearing to be 'N. M. Smith', with a long horizontal flourish extending to the right.

NEIL M. SMITH

June 12, 2001