

ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of FOX TELEVISION STATIONS, INC., licensee of WFLD-DT, Chicago, Illinois, in support of its Application for Construction Permit specifying an increase in ERP.

Exhibit B provides antenna pattern data. A tabulation of terrain and contour data comprises Exhibit C, and 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. WFLD-DT shares the Sears Tower with other broadcast and non-broadcast facilities. It is not expected that the proposed facility would cause objectionable interference to these or any other authorized stations, but WFLD-DT recognizes its obligation to correct any such interference that may occur.

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 patterns of the Andrew ATW14H3H-ETC2-31H antenna, we calculate that maximum power density two meters above ground of 0.00095 mw/cm^2 would exist 465 meters southeast of the base of the Sears Tower. This is but 0.25 percent of the 0.38 mw/cm^2 reference for uncontrolled environments, *i.e.*, areas with public access, surrounding stations operating on Channel 31 (572-578 MHz). Therefore, this facility may be excluded from consideration with respect to public exposure to nonionizing electromagnetic radiation, without regard to the contributions from other sources.

EXHIBIT A

With respect to the roof of Sears Tower, although excessive power density levels from WFLD-DT are not predicted, the total level from the numerous facilities on Sears Tower approaches the reference value at certain locations. However, access to the roof is carefully restricted, so excessive exposure of employees or of the general public is precluded, and WFLD-DT has entered into an agreement with the Sears Tower management and the other broadcasters whereby it will reduce power or leave the air as necessary to avoid excessive RF exposure when personnel must enter this restricted area.

On this basis, and considering that the station produces significantly less than five percent of the current FCC reference in uncontrolled areas, a grant of the subject application would clearly constitute a minor environmental action in this regard.

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.


NEIL M. SMITH

May 15, 2001