

EXHIBIT A

ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of PAPPAS TELECASTING COMPANIES in support of this Application for Construction Permit to operate a new Low Power Television Station on Channel 52 in Spencer, Iowa.

It is proposed to mount a standard Andrew omnidirectional antenna on the side of an existing 134-meter communications tower. Exhibit B is a map upon which the predicted service contours are plotted. An engineering analysis reveals that the proposed facility meets all of the FCC's interference Rules with respect to analog and digital full-power authorizations as well as to other LPTV and translator facilities.

Because no change in the overall height or location of the existing tower is proposed, the FAA has not been notified of this application. The FCC issued Antenna Structure Registration Number 1016658 to this tower.

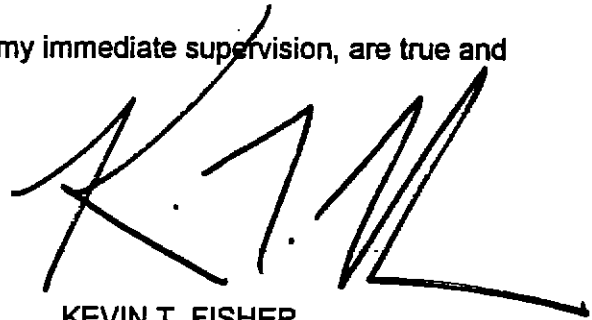
Since the FCC considers the possible biological effects of RF transmissions in its environmental determinations, we have studied the matter with respect to this Spencer facility. Employing the methods set forth in *OET Bulletin No. 65* and considering a main-lobe effective radiated power of 20.0 kw, an effective antenna height of 120 meters above ground, and the vertical pattern of the Andrew antenna, maximum power density two meters above ground of  $0.00046 \text{ mw/cm}^2$  is calculated to occur 27 meters from the base of the tower. Since this is only 0.1 percent of the  $0.47 \text{ mw/cm}^2$  reference for uncontrolled environments

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(areas with public access) for a facility operating on Channel 52 (698-704 MHz), this proposal may be excluded from consideration with respect to public exposure to nonionizing electromagnetic radiation.

Further, the station owner will take whatever precautionary 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 nonionizing radiation.

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

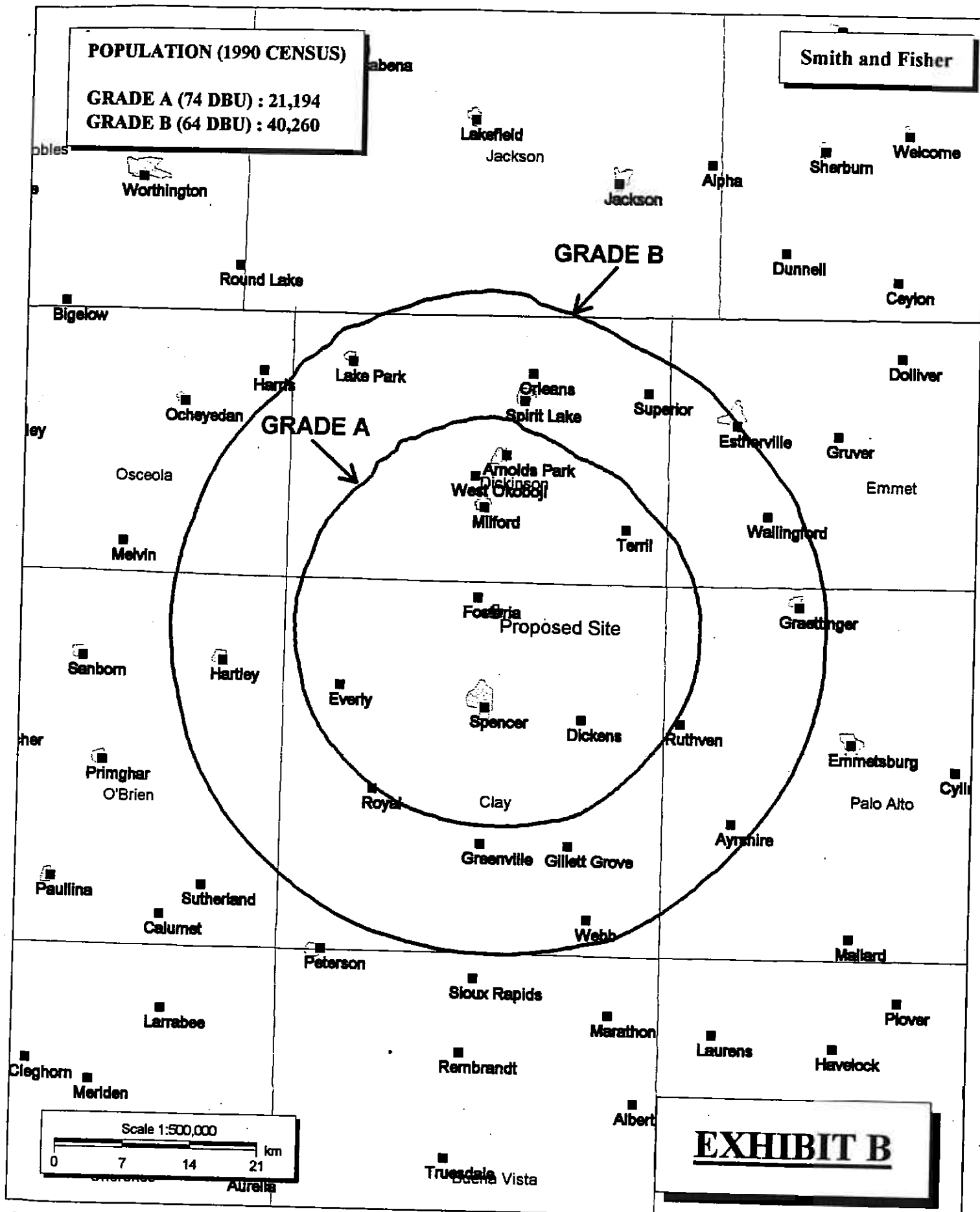
A handwritten signature in black ink, appearing to be 'K. T. Fisher', written in a stylized, cursive-like font.

KEVIN T. FISHER

August 28, 2000

**GRADE A (74 DBU) : 21,194**  
**GRADE B (64 DBU) : 40,260**

**Sherburn** **Welcome**



**NOTE: CONTOURS BASED ON MAIN-LOBE ERP**