

EXHIBIT 46
ENVIRONMENTAL PROTECTION ACT

Since the proposed WUOA DTV antenna would be side-mounted on an existing tower (ASR Number 1037278) with no change in overall height above ground, the environmental concerns listed in Section 1.1307(a) of the Commission's rules are not pertinent; therefore, those issues have not been addressed.

An evaluation has been made to determine compliance with the Commission's specified standards for human exposure to RF fields as set forth in the OET Bulletin No. 65 dated August 1997. For a maximum effective radiated power of 26 kW and a radiation center of 307 meters above ground level, the proposed Channel 6 DTV operation would have a maximum of 2.3 microwatts per square centimeter ($\mu\text{W}/\text{cm}^2$) RF field at 2 meters above the base of tower assuming an antenna field factor of 0.5 in the downward direction.

The Commission's guidelines for the Channel 6 TV band are $1000 \mu\text{W}/\text{cm}^2$ for the occupational/controlled and $200 \mu\text{W}/\text{cm}^2$ for the general population/uncontrolled environment.

Since there is another TV operation (WIAT) is located on the tower, a combined RF field has been calculated at the base of the tower. Station WIAT(TV) operates on analog TV Channel 42 (638-644 MHz) with 5000 kW maximum visual ERP and 500 kW aural ERP and an antenna radiation center located at 336 meters above ground. The maximum RF field at 2 meters above the base of the tower, due to WIAT(TV)'s operation is $8.4 \mu\text{W}/\text{cm}^2$ assuming an antenna field factor of 0.2 in the downward direction. The Commission's guidelines for the Channel 42 TV band are $2,126 \mu\text{W}/\text{cm}^2$ for the occupational/controlled, and $425 \mu\text{W}/\text{cm}^2$ for the general population/uncontrolled environment.

The above analysis indicates that members of the public and personnel working around the TV tower would not be exposed to RF fields exceeding the Commission's guidelines. With respect to work performed on the tower, WUOA-TV, in coordination with WIAT(TV) will establish procedures to ensure that workers are not exposed to RF fields above the Commission's guidelines, by reducing or turning off the power, as appropriate.

For the reasons stated above, it is believed this proposal complies with Section 1.1307(a) and (b) of the Commission's Rules; therefore, under Section 1.1306, it is categorically excluded from environmental processing.