

**WWUP-DT, SAULT STE. MARIE, MICHIGAN
ENVIRONMENTAL CONSIDERATIONS**

The antenna for digital operation of WWUP is the existing Channel 10 top-mounted RCA Model TF-12AH antenna. Use of this long established television transmitting site with no change in the existing tower assures the avoidance of a significant effect that would require the preparation of an environmental assessment. As discussed below, the operation would comply with maximum permitted RF exposure for the general population/uncontrolled environment.

Calculations made pursuant to OET Bulletin 65 show that the maximum RF exposure on channel 10 in the vicinity of the tower, at a height of two meters above ground would be only 0.20 microwatts per square centimeter ($\mu\text{W}/\text{cm}^2$), 0.10 percent of the maximum permitted exposure of $200 \mu\text{W}/\text{cm}^2$ at channel 10.

Procedures for avoiding excessive exposure during work on the tower assure that, with the digital system in use, maintenance tasks can be carried out without subjecting workmen to exposure in excess of that permitted by the rules. Power will be reduced, or the transmitter shut down as necessary to avoid over-exposure.