

RFR Compliance

THE PROPOSED ST. JAMES MN. FACILITIES WERE EVALUATED IN TERMS OF POTENTIAL RADIOFREQUENCY RADIATION EXPOSURE AT 2 METERS ABOVE GROUND LEVEL IN ACCORDANCE WITH THE OST BULLETIN NO. 65, EVALUATING COMPLIANCE WITH FCC-SPECIFIED GUIDELINES FOR HUMAN EXPOSURE TO RADIOFREQUENCY RADIATION. THIS BULLETIN PROVIDES ASSISTANCE IN DETERMINING WHETHER FCC-REGULATED TRANSMITTING FACILITIES, OPERATIONS OR DEVICES COMPLY WITH LIMITS FOR HUMAN EXPOSURE TO RADIOFREQUENCY (RF) ELECTROMAGNETIC FIELDS.

A ELECTRONICS RESEARCH 1-BAY, 1-WAVELENGTH SPACED, ANTENNA WAS MOUNTED AT THE 25-METER LEVEL ON THE SUPPORTING TOWER STRUCTURE. THE ERP IS 1000 WATTS; THE FCC'S FM MODEL PROGRAM WAS USED TO EVALUATE THE POWER DENSITY AT 2 METERS ABOVE GROUND LEVEL WITHIN 500 METERS OF THE TOWER. BELOW IS THE OUTPUT OF THE FM MODEL PROGRAM AND, AS INDICATED, THE POWER DENSITY WILL BE WELL BELOW THE FCC'S RECOMMENDED LIMIT OF 200 UW/CM² FOR FM CHANNEL 206.

PUBLIC ACCESS TO THE TOWER SITE IS RESTRICTED WITH FENCING. FURTHERMORE, THE SITE IS APPROPRIATELY MARKED WITH RFR WARNING SIGNS. IN ADDITION, PROCEDURES WILL BE IN EFFECT IN THE EVENT THAT WORKERS OR OTHER AUTHORIZED PERSONNEL ENTER THE RESTRICTED AREA OR CLIMB THE TOWER TO ENSURE THAT APPROPRIATE MEASURES WILL BE TAKEN TO ASSURE WORKER SAFETY WITH RESPECT TO RADIO FREQUENCY RADIATION EXPOSURE. SUCH PROCEDURES INCLUDE REDUCING THE AVERAGE EXPOSURE BY SPREADING OUT THE WORK OVER A LONGER PERIOD OF TIME, WEARING ACCEPTED RFR PROTECTIVE CLOTHING AND/OR RFR EXPOSURE MONITORS OR SCHEDULING WORK WHEN THE STATION IS AT REDUCED POWER OR SHUT DOWN.

