238A Environmental Protection Act Study

The proposed FM Facility for Channel 238A at Wellington, UT, (the "Station") has been evaluated in terms of potential radiofrequency electromagnetic field exposure at ground level in accordance with OET Bulletin No. 65, Evaluating Compliance with the FCC Specified Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields (OET Bulletin No. 65, Second Edition 97-01, August, 1997). The Commission's FM Model Power Density Prediction program was employed to determine the field.

The Station proposes to use a Shively 6810-3 antenna consisting of 3 bays with one wavelength between sections. Using the "Shively 6810" EPA Type antenna with 3 sections with 1 wavelength between sections and the AGL height and ERP proposed in the instant application (6 kW at a CORAGL of 33 meters), the highest predicted power density at 2 meters above ground is less than 20% of the Uncontrolled Standard with a Power Density of 39.3 microwatts per square centimeter at a location 16 meters away from the base of the tower.

It should be noted that radio station KARB (FM) 225A Price, UT, is co-located with the proposed facilities. KARB utilizes a type of antenna unknown to the applicant. Therefore, using the "Phelps-Dodge Worst Case" EPA Type 1 antenna with 3 sections and 1 wavelength between sections, an ERP of 3 kW and a radiation center of 43 meters above ground level, the highest predicted power density 2 meters above ground is less than 36% of the Uncontrolled Standard with a Power Density of 70.2 microwatts per square centimeter at a location 9 meters away from the base of the tower.

Therefore, the combined predicted power density 2 meters above the ground is less than 55% of the Uncontrolled Standard with a combined Power Density of 109.5 microwatts per square centimeter. There are no other emitters located with 100 meters of the proposed tower.

Even though the site will fully comply with the Uncontrolled Site Standards, access to the transmitting site will be restricted and appropriately marked with warning signs. When it

becomes necessary for workers to ascend the tower, appropriate measures, such as reduction or shut down of power if necessary, shall be taken to ensure that the human exposure to radiofrequency radiation will not exceed the FCC guidelines.

The proposed facility should be exempt from environmental processing because the facility would not be located at a location specified in Section 1.1307(a)(1)-(8) of the Commission’s Rules.