

## **TV Station KCGE-DT • Channel 16 • Crookston, Minnesota**

### **Statement of Hammett & Edison, Inc., Consulting Engineers**

Hammett & Edison, Inc., Consulting Engineers, has been retained by Prairie Public Broadcasting, Inc., licensee of Noncommercial Educational TV Station KCGE-DT, Channel 16, Crookston, Minnesota, to correct the station's geographic coordinates.

### **Coordinate Correction**

While preparing to upgrade the LED tower beacons for its Euclid, Polk County, Minnesota tower, all the proper paperwork was submitted to the FAA and approved; however, during this process the FAA determined that the originally used 2003 ASR1227695 coordinates of 47-58-37.9 N, 96-36-19.2 W, NAD83, were inaccurate. The FAA provided Prairie with corrected coordinates of 47-58-33.7 N, 96-36-15.9 W, NAD83. An updated ASR1227695 was granted on January 23, 2024. Because this is a coordinate correction of -4.2 seconds in latitude and -3.3 seconds in longitude, both of which are greater than the  $\pm 3$  second adjustment allowed by Section 73.1690(c)(11) of the FCC rules for a simple license modification with no physical change in location, a construction permit application is required.

### **No Predicted Interference To Other Stations**

No change in the KCGE-DT transmitting antenna or change to the effective radiated power are proposed; only the station's geographic coordinates are being updated. When studied on an OET-69 basis, using 2 km cells and 1 km terrain extraction, the proposed operation is not predicted to cause any incremental interference to any U.S. TV or Class A station, or to any Canadian TV station (the Euclid site is 113.8 km from the Canadian border). Processing on this basis is requested.

### **Environmental Considerations**

Grant of this application would not be a major environmental action. The transmitting antenna is top-mounted on an existing tower that has an ASR, with no increase in the overall height of that tower. None of the situations given in Section 1.1307 of the FCC rules regarding major environmental actions are believed to apply.

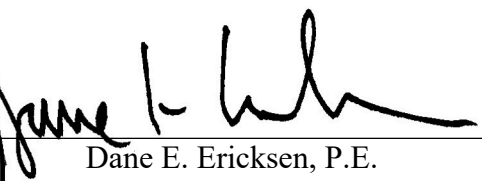
The proposed operation would comply with FCC guidelines regarding human exposure to radio frequency energy. The predicted ground-level power density is far less than 1% of the 0.323 milliwatt per square centimeter public limit applying at UHF TV Channel 16 (482–488 MHz). Since this is less than 5% of the exposure limit, the applicant is categorically excluded by Section 1.1307(b)(3) of the FCC Rules from having to consider the contributions of other station(s) at or near the proposed site.



**Authorship**

The undersigned author of this statement is a qualified Professional Engineer, holding California Registration No. E-11654, which expires on September 30, 2024. This work has been carried out under his direction, and all statements are true and correct of his own knowledge except, where noted, when data has been supplied by others, which data he believes to be correct.



  
Dane E. Ericksen, P.E.

February 6, 2024

