

DELAWDER COMMUNICATIONS, INC.

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ENGINEERING REPORT

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Cooperative TV Association of Southern Minnesota  
K41IZ, St. James, MN (Channel 41- Minor Modification)

**EXHIBIT 7 - ENVIRONMENTAL STATEMENT**

This proposal does not involve a site location specified under Section 1.1307(a) through (a)(8) of the FCC Rules.

Assuming: (a) a maximum ERP of 2 kilowatts and circular polarization (for approximately 5 kW total with aural carrier); (b) a relative field of less than 0.4 in the critical downward angles; and (c) a distance of at least 290 meters from the lowest antenna element to 2 meters above ground level, the maximum power density is calculated as follows:

$$S = 33.4 (F)(F)(ERP) / [(R)(R)]$$

Where, S equals power density in uW/cm<sup>2</sup>  
F equals the relative field factor  
ERP equals the effective radiate power in watts  
R equals the distance in meters

$$= 33.4 (0.4)(0.4)(5,000) / [(290)(290)]$$

$$= 0.32 \text{ uW/cm}^2$$

0.32 uW/cm<sup>2</sup> represents less than 1% of the uncontrolled power density limit (423.3 uW/cm<sup>2</sup>). The electromagnetic radiation from this proposed operation will not produce a value in excess of the radiation standard. The electromagnetic radiation from the proposed operation will not combine with other facilities on or near the structure to produce a significant change in value.

If this is a structure that may support various other operations, the applicant will cooperate with the other operators in establishing a plan for work done on the structure in close proximity to the existing antenna.