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***B. W. St. Clair, Inc.***

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**Engineering Statement**  
in support of  
**Application Modification BDCCDTL20060929BHO**  
Channel 21, Walker, MN  
Leech Lake Television Corp.

**BACKGROUND**

Applicant holds a construction permit for K21HX-LD on channel 21, at the present time. Applicant is applying for an ERP increase. The parameters of this application will remain the same except for the ERP increase.

The 19.5 dBμ F(50,10) contour does not cross the Canadian border.

**INTERFERENCE STUDY**

Channel 21 was analyzed for interference to the following stations using "Population Loss Studies" based on the "Longley-Rice Terrain Algorithm" in accordance with OET Bulletin 69.<sup>1</sup> Population loss for full service TV and Class A or analog stations is less than 0.5% and less than 2% for any LPTV or translator DTV station. Cell size for service analysis is 1.0 km/side and distance increments for Longley-Rice Analysis is 1.0 km

FULL SERVICE ANALOG AND DTV STATIONS  
None

LPTV, CLASS A AND TRANSLATOR STATIONS  
None

Prepared By:  
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29 August 2008

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<sup>1</sup> The analysis was performed on a Sun "Blade" Computer using the exact replica of the FCC program. Population losses of less than 0.5% are not reported in detail. Only an indication of no interference is shown.