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

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**Engineering Statement**  
supporting a digital flash cut of a  
Licensed Station, BLTT19930426ID  
Channel 40, Yerington, NV  
**KTVU Partnership**

**BACKGROUND**

The applicant, KTVU Partnership, operates K40DV as a translator in Yerington, NV at the current time. This application will convert the station to digital operation on channel 40. As a part of this application, the latitude and longitude coordinates will change slightly and the ERP will decrease. The antenna will change to a simple directional pattern aimed to the east.

**INTERFERENCE ANALYSIS**

Interference to the following station was studied using "Population Loss Studies" based on the "Longley-Rice Terrain Dependent Algorithm" in accordance with OET Bulletin 69.<sup>1</sup> Population loss for each station is less than 0.5% for full-service and Class A TV stations and less than 2% for LPTV and translator stations. Cell size for service analysis is 1.0 km/side. The distance increments for Longley-Rice Analysis is 1.0 km. Any discrepancies are noted below.

FULL SERVICE DTV and Class A Stations & LPTV/Translator Stations  
NONE

Gordon H. Allison, Jr.  
Engineering Consultant  
25 March 2010

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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.