



2355 Ranch Drive, Westminster, CO 80234  
Phone: 303-465-5742 ~ Fax: 303-465-4067  
E-Mail: StCl@Comcast.Net

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

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**Engineering Statement**  
in support of a  
**Minor Change Application for K11IY**  
**Channel 11, Battle Mountain, NV**  
**Lander County General Improvement District #1**

**BACKGROUND**

The applicant requests a minor change to a licensed facility, BLTTV4808, to move from the City of Battle Mountain, NV to a site on Argenta Ridge to the east of Battle Mountain. This application is based on the fact that the translator site in town is not capable of reaching the new areas of population growth to the south of Battle Mountain. There is contour overlap with the currently licensed translator.

This location change will insure that the unserved population will receive free, over-the-air television service.

**INTERFERENCE CONSIDERATIONS**

Interference to the following station(s), based on contour overlap, was/were studied using "Population Loss Studies" based on the "Longley-Rice Terrain Algorithm" in accordance with OET Bulletin 69 as described above.<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 TV, DTV AND CLASS A STATIONS**

BLCT19970403KH	KENV-TV, CH. 10	Elko, NV
BLCT19961004KI	KRXI-TV, CH. 11	Reno, NV

**LPTV AND LPDT STATIONS**

BLTTV3817	K12HY, CH. 12	Beowawe, NV
BLTTV4588	K11MU, CH. 11	Paradise Valley, NV

Prepared By:  
Gordon H. Allison, Jr.  
Engineering Consultant  
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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.