

Environmental Statement  
In Support of an Application to  
Change Frequency,  
Increase Daytime Power  
And Add Nighttime Service  
KLDC, Brighton, Colorado  
810 kHz, 2.2 kW-D/0.227 kW-N, DA-2

The facilities proposed herein will not have a significant environmental impact and comply with the maximum permissible radiofrequency electromagnetic exposure limits for controlled and uncontrolled environments.

At the daytime site, the bases of towers #1 and #2 are fenced at a minimum radius of 1 meter; the base of tower #3 is presently fenced at a minimum radius of 2 meters. Worksheet #2A in the Appendix A RF Worksheets was used to determine that while a 1-meter minimum radius is sufficient for the power level at tower #1 and a 2-meter minimum radius is more than sufficient for power level at tower #3, the present fence radius at tower #2 is insufficient. As such, the tower #2 base fence will be replaced with a 2-meter minimum radius fence.

At the nighttime site, both the existing tower bases are fenced at a minimum radius of 7 meters. Worksheet #2A in the Appendix A RF Worksheets was used to determine that a 7-meter minimum radius is more than sufficient for the worst-case power level (KLZ + KLDC) at tower #2. KLDC towers #1 and #3 will be fenced at a minimum radius of 3 meters, which has been determined using Worksheet #2A to be more than sufficient for the worst-case power levels at each of those towers.

At both sites, signs are currently posted and will remain on the tower base fences to prevent casual accidental exposure. Additional signage will be posted at the new towers at the nighttime site. When it is necessary for employees to enter fields in excess of FCC guidelines for the purpose of reading base current ammeters, time-averaging will be employed in accordance with the procedures contained in OET Bulletin No. 65. Workers will enter the area, read the base current and immediately exit. The applicant will otherwise reduce power or cease operation as necessary to protect persons having access to the site or towers from RF radiation in excess of FCC guidelines.