

**APPLICATION FOR CONSTRUCTION PERMIT  
EAGLE COMMUNICATIONS, INC.  
K42BZ, BOZEMAN, MONTANA**

**Environmental Considerations**

Operation of low-power Class A television station K42BZ on channel 42, as proposed herein, presents no problem requiring an environmental assessment. The existing tower to be employed will not be increased in height and is in use at present to support television transmitting antennas. RF exposure is well below the maximum permitted for the uncontrolled/general population environment.

Over a range of angles from 60 to 90 degrees below horizontal the maximum relative field for the antenna proposed is 0.15. With maximum visual effective radiated power of 20.7 kilowatts and 10 percent aural, the RF exposure two meters above ground is 3.0 microwatts per centimeter squared, calculated as prescribed in Supplement A of OET Bulletin 65. This level is only 0.7 percent of the permitted exposure of 426 microwatts per centimeter squared at channel 42 for the uncontrolled/general population environment.

When work is required on the tower in the near vicinity of the antenna, power will be reduced or the transmitter shut down as necessary to avoid exposure of workers in excess of the maximum permitted by FCC rules. Since the tower is used by another licensee, K42BZ will cooperate with other users to assure that appropriate steps will be taken to assure that exposures will remain within permitted limits for all workers.