

**APPLICATION FOR MODIFICATION OF CONSTRUCTION PERMIT  
KCRA HEARST-ARGYLE TELEVISION, INC.  
KQCA-DT, STOCKTON, CALIFORNIA**

**Environmental Considerations**

Operation of KQCA-DT on channel 46, 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 20 to 90 degrees below horizontal the maximum relative field for the antenna proposed is 0.234. With effective radiated power of 600 kilowatts, the RF exposure two meters above ground is 1.59 microwatts per centimeter squared, calculated as prescribed in Supplement A of OET Bulletin 65. This level is only 0.36 percent of the permitted exposure of 443 microwatts per centimeter squared at channel 46 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 to be used by a number of licensees, KQCA-DT 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.