

# OKLAHOMA GEOLOGICAL SURVEY

Oklahoma Geophysical Observatory

Charles J. Mankin, Director OGS

Jim Lawson, Chief Geophysicist

## KG2XLY MODIFICATION EXHIBIT NO. 1

### QUESTION NO. 3

- ① THE THREE FOLLOWING FREQUENCIES ARE PRESENTLY LICENSED FOR USE WITHIN 70 MILES (MOBILE) OF LEONARD OKLAHOMA  
LAT 35° 54' 37" N LONG 95° 47' 34" W

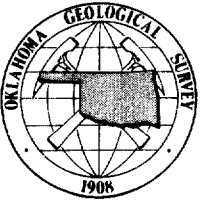
217.0 MHz    218.0 MHz    219.0 MHz

WE REQUEST THE CONTINUED USE OF THESE FREQUENCIES AS CURRENTLY LICENSED

- ② WE REQUEST THAT THESE SIX FREQUENCIES BE ADDED FOR USE IN THE FOLLOWING AREA:

WITHIN 125 MILES<sup>RADIUS</sup> (MOBILE) OF LEONARD OKLAHOMA  
LAT 35° 54' 37" N LONG 95° 47' 34" W EXCLUDING  
AREAS WITHIN THE 125 MILE RADIUS WHICH ARE  
OUTSIDE THE STATE OF OKLAHOMA

218.4 MHz    218.5 MHz    218.6 MHz    218.7 MHz  
218.8 MHz    218.9 MHz



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K G Z X L Y MODIFICATION

EXHIBIT NO 2

QUESTION NO. 9

- (A) The acquisition of continuous ground vibration (seismic) data from various isolated points in the permitted area for the location and study of earthquakes in Oklahoma and worldwide.
- (B) Recording on site of continuous seismic data at remote locations and retrieving tapes is impractical and does not allow real time or near real time location of ~~data~~ earthquakes which is necessary for our research and ~~safe~~ public safety functions.
- (C) Almost invariably, the remote seismic monitoring sites are far from existing telephone lines. To use telephone lines we would need much larger funding to have the lines built. Also the stations would not be mobile because of the delays in obtaining telephone line easements and having telephone lines built each time a station was moved.