

**Exhibit #30**

**ENVIRONMENTAL PROTECTION ACT**

**The University of Oklahoma**  
Application for Auxiliary License  
KGOU  
Norman, Oklahoma

January 2010

CH 292A

0.465 kW H & V

The applicant proposes the use of existing unregistered tower, constructed prior to 2001. The applicant proposes no change to the tower structure or profile, therefore it is exempt from further environmental testing.

The proposed six-bay, circularly polarized antenna will be energized such that it produces 0.465 kW effective radiated power (ERP) in both the horizontal and vertical planes, from a center of radiation of 91.4 meters above ground. Using the formulas expressed in the OET Bulletin, No. 65, August 1997, "Evaluating Compliance with F.C.C. Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields", published by the Federal Communication Commission's Office of Science and Engineering, and then by applying a combination of the element and array pattern as defined in E.P.A. study PB85-245868 ("**Engineering Assessment of the Potential Impact of the Federal Radiation Protection Guidance on the AM, FM and TV Broadcast Services**") the predicted level of RF non-ionization emissions at a position of 2 meters above ground (head-height) at the base of the tower for the proposed 6-bay Gates FMC-6-A (Type #3) antenna is 0.460 microwatts per square centimeter ( $\mu\text{W}/\text{cm}^2$ ), which is 0.046 percent of the maximum for a controlled area and 0.23 percent of the maximum for an uncontrolled area.

A search of the FCC's CDBS and ULS databases reveals that there are several other sources of RF emissions on the tower. However, since the proposed auxiliary facility will contribute less than 1 percent of the maximum, no further calculations are necessary.

The applicant will protect workers on the tower by either reducing ERP or terminating transmission.

Consequently, it appears that the proposed FM station will be in full compliance with the Commission's human exposure to radiofrequency electromagnetic field rules and regulations.