

## APPLICATION FOR NEW STATION

Engineering Proposal File Number: BSFH 20040806AKT

Facility ID Number: 164240

CH 269C3, Lindsborg, KS

Radioactive, LLC

### **Technical Narrative**

This engineering statement has been prepared in support of an application for a new station to operate on channel 269C3 at Lindsborg, KS. This allocation was auctioned in FCC Auction 37.

#### Proposed Transmitter Location and Facilities:

It is proposed to locate the antenna on an existing tower located at 38-39-58 North, 97-41-30 West using the NAD 27 database. The antenna site registration number is 1204157.

#### Allocation Study:

Exhibit 29A is an FM separation study showing that the proposed operation will satisfy the Commission's minimum separation distance requirements, specified in Section 73.207(b) of the Rules, to all existing and proposed stations except for a .6 km short spacing to KVOE in Emporia, KS. Exhibit 29B is a map showing the service and interfering contours of the proposed facilities and KVOE Emporia Kansas as if it operated at the maximum Class A facilities of 6 kW and 100 m HAAT. Because no prohibited overlap occurs, the requirements of Section 73.215 of the FCC Rules are met. The applicant therefore respectfully requests processing under Section 73.215 of the FCC Rules.

#### FCC Predicted Coverage:

The predicted coverage contours (60 dBu F(50,50) and 70 dBu F(50,50)) were calculated in accordance with the provisions of 73.313, using 72 radials evenly spaced at 5 degree angles.

Exhibit 23 is a map showing the predicted coverage contours. As can be seen, the FCC predicted 70 dBu contour completely encompasses the City of Lindsborg, KS.

#### RFR Compliance:

The proposed facilities were evaluated using the FCC RF worksheet number 1 and were found to reach 2.5% of the worst case controlled/occupational limit for RF exposure. It is therefore believed that this proposal is in compliance with OET Bulletin 65 as required.