

## Environmental considerations for KRDK-TV conversion to channel 24:

1. The within application is constructed on an existing registered tower - ASR #1038731, which is owned by the within applicant. Construction on the tower is limited to replacement of the existing 32-bay channel 38 antenna with a 24-bay channel 24 antenna having identical electrical characteristics and similar physical characteristics.

2. Using a 285 kW ERP at 566M AGL, NIER from the within-proposed facility is limited to 0.0012 mW/cm<sup>2</sup> at head height, which is a lower level than previously on channel 38. This value is but 0.27% of the FCC limit of 0.441 mW/cm<sup>2</sup> for channel 24 in an uncontrolled environment. This result is well below the 5% limit for this service; hence, the proposal is in compliance with RF emission rules contemplated by OET65.

3. The transmitter building and tower base are surrounded by a gated and locked metal fence with a height of at least 2M. Signage regarding potential safety hazards is prominently displayed and has been for over ten years. Additionally, the licensee has a procedure in place to protect workers who may be exposed to occupational levels of NIER within the secured area or on the tower itself. All procedures on or near the tower will involve a power reduction or operational cessation of transmission by the licensee, who will cooperate in concert with other site users to see that workers at the site are not exposed to excessive radiation levels in excess of occupational MPEs for professional workers at the site.

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