Environmental Protection Act. - FCC Rule, Section 1.1306

The proposed DTV operation with an ERP of 15 Kw average power on Channel 18. Calculations to determine power density levels from the proposed operation were performed using formulas outlined in OET Bulletin 65 (Edition 97-01) based on antenna relative field factor of .1. The formula used is:

$$S = \frac{(33.4)(F^2)(\text{Average ERP})}{R^2}$$

The center of radiation is at 55m above ground. The maximum power density levels at two meters above ground level is 1.78 μW/cm². The maximum allowed by OET 65 bulletin is:

Occupational/Controlled Exposure	General Population
Freq / .3	Freq / 1.5
1,657μW/cm²	331 μW/cm²

This is a controlled site and the proposed operation will be in compliance with the FCC RF radiation guidelines since areas that exceed the FCC standards will be alerted to workers by posting warning signs and restricting areas. The station will have a written agreement and procedures for workers climbing the tower. Transmitter power will be reduced or terminated when workers are near areas on the tower where power density levels are in excess of the FCC standard. An environmental assessment (EA) is categorically excluded under Section 1.1307 of the FCC Rules and Regulations since the applicant indicates:

(a)(1) The proposed facilities are not located in an officially designated wilderness area.
(a)(2) The proposed facilities are not located in an officially designated wildlife preserve.
(a)(3) The proposed facilities will not affect any listed threatened or endangered species or habitats.
(a)(3)(ii) The proposed facilities will not jeopardize the continued existence of any proposed endangered or threatened species or likely to result in the destruction or adverse modification of proposed critical habitats.
(a)(4) The proposed facilities will not affect any known districts, sites, buildings, structures, or objects significant in American history, architecture, archaeology, engineering, or culture.
(a)(5) The proposed facilities are not located near any known Indian religious sites.
(a)(6) The proposed facilities are not located in a flood plain.
(a)(7) The side-mounted TV antenna will not involve a significant change in surface features of the ground in the vicinity of the tower.
(a)(8) The tower structure will not be equipped with high intensity white lights.
(b) There will be a security fence with a locked gate to surround the tower. Workers and the general public will not be subjected to RF radiation levels in excess of FCC OET Bulletin 65 (Edition 97-01). Authorized personnel will be alerted to areas of the tower where potential radiation levels are in excess of the FCC standard. The transmitter power will be reduced or terminated when necessary.