

W30DG-D, Huntington, WV
Facility ID# 649407
29 April, 2018

Environmental Statement

The proposed construction is not a major environmental action as defined by 47CFR 1.1306 and 1.1307. No new ground construction or lighting changes are involved and no structure heights or widths are being increased.

RF exposure summary:

This tower site is restricted from public access by a fence around the entire property with a very heavy steel road gate block to vehicular ingress. The building and the tower are posted with registration and RF caution signs. The proposed construction is on an existing registered broadcast tower.

The proposed W30DG-D on channel 33 antenna center is at 128 meters AGL. The proposed horizontal ERP of 15.0 kW with 30% vertical totals 21.43 kW. Using the general exposure formula $S = (.256)(1.64)(100)(F2) (ERP)/4\pi R^2$, with a worst case antenna factor of 1.0 yields a power density at ground level of 4.4 $\mu\text{watts/cm}^2$, far below the occupational limit for channel 33 of 1957 $\mu\text{watts/cm}^2$ and the public exposure limit of 391 $\mu\text{watts/cm}^2$. Thus the proposed construction would contribute an insignificant amount of RF energy at the level of a person standing on the ground. The existing W30DG signal on channel 30 will be removed in this process so the above is a negligible increase over existing levels.

An information sign at the site lists contact information a crew can use to have W30DG-D emissions reduced or terminated to protect tower crews working in the vicinity of the antenna. These facts clearly demonstrate that this application does not present any significant environmental action or hazard as defined in the FCC Rules and Regulations Part 1 and outlined in OET bulletin 65 & 65a.