

**Exhibit #14**

**ENVIRONMENTAL PROTECTION ACT**

**Spring Valley High School**  
Application for New LPFM Station  
Huntington, West Virginia  
October 2013

CH 283L1

0.006 kW H & V

The applicant proposes to mount a 1-bay antenna atop an existing water tower, constructed prior to March, 2001. Since the applicant proposes no change to the tower structure or profile, it is exempt from further environmental testing.

The proposed antenna will be energized so that it radiates 0.006 kW in both the horizontal and vertical planes, from a height above ground of 54.9 meters. Based on 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, the existing facility produces a worst-case maximum R.F. non-ionization radiation level at a position six feet above the tower base (head level - based on the C.O.R. of 54.9 meters above ground minus 2 meters) of 0.1433 microwatts per square centimeter ( $\mu\text{W}/\text{cm}^2$ ). This figure is without regard for the antenna's vertical elevation field value toward the nadir, which will cause a reduction in the predicted "worst case" calculations. 0.1433  $\mu\text{W}/\text{cm}^2$  is 0.0716 percent of the maximum for this uncontrolled area.

Since "worst case" calculations were used, and since it is well known that the actual RF power density level is considerably reduced at vertical angles toward the nadir the applicant is confident that actual RF contribution of this antenna will be less than is predicted here.

The proposed LPFM station will not increase the amount of RF emissions over that which is permissible by Section 1.1307 of the FCC's Rules.

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

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