



Mountain Valley Broadcast Service, Inc.
8645 Koontz Corner Road
Harrisonburg, Virginia 22802
(540) 433-8789

EXHIBIT 24

February 10, 2011

Evaluation of Environmental Effects WEMC Transmitter Site

WEMC's upgrade will feature an antenna on the *existing tower* with much less downward radiation than the current installation. Although the power levels are reasonably low, and the tower would ordinarily pass "worksheet muster", the tower is located on sloping land with nearby buildings. Because of this a more detailed study was conducted. The level of precision required for this study was tempered by the fact that most of the "points of interest" had very low levels of power density.

Our study revealed that if any elevated terrain or structures caused the "effective center of radiation" to be reduced below 16.9 meters that a level above the general/uncontrolled exposure limit would be attained, but only in the 10 meters horizontal region. No such elevations exist within that region, and in fact the worst case location computes at only 22.7% of the general/uncontrolled limit.

This is a tabulation of representative elevations surrounding the tower:

Distance:	Description:	effective c/r:	% of gen/uncont limit:
6.6 M	High Ground	28.5 M	15.0%
24.0 M	Peak of Discip Roof	16.8 M	1.0%
24.0 M	High Ground	27.8 M	22.7%
30.0 M	House(N) rooftop	22.0 M	2.2%
61.0 M	High Ground	26.0 M	5.0%
106 M	High Ground	24.7 M	7.9%
106 M	TVRO tower	16.8 M	11.0%

These computations were made in a manner consistent with OET Bulletin 65 (97-01) and utilizing the FCC program FMmodel. It is worth noting that there is one single VHF antenna, 500 watts at 158.1 mHz, on the tower; approximately 19 meters above the FM antenna. It's contribution to the power density at the points considered is nominal.

Our evaluation shows that, based on computations consistent with OET Bulletin 65 (97-01), at no ground-level or structure location is the general/uncontrolled exposure limit exceeded at the site apart from locations high upon the tower. The tower is surrounded by a gated fence (locked) and is identified with an RFR warning sign.

Although work could be done on portions of the tower at full or reduced power, because of the limited size of the tower, and the complexity of coordination, it is recommended that WEMC shut down whenever tower maintenance is done unless a qualified engineer is on-site. The use of personal monitors (set at 50% of the controlled limit) or *actual measurements* is an appropriate assurance procedure for all tower climbers at this site.

The licensee certifies that it, in coordination with other users of the site, will reduce power or cease operation as necessary to protect persons having access to the site, tower, or antenna from radiofrequency electromagnetic exposure in excess of FCC guidelines.

Mountain Valley Broadcast Service, Inc.

A handwritten signature in black ink, appearing to read "W. D. Fawcett", with a long horizontal flourish extending to the right.

**William D. Fawcett
President**