

**ENGINEERING EXHIBIT
APPLICATION FOR
CONSTRUCTION PERMIT**

prepared for

Potomac Radio, LLC

WAGE Leesburg, Virginia

Facility ID 54876

1190 kHz 50 kW-D 1.3 kW-N DA-2

Table of Contents

FCC Form 301, Section III-A

Exhibit 11

Statement A	Nature of the Proposal - Nighttime Antenna System Description
Table I	Proposed Nighttime Directional Antenna Parameters - Nighttime Standard Pattern Radiation Data
Figure 1	Proposed Nighttime Radiation Pattern
Figure 2	Proposed Nighttime Antenna System Elevation Plan
Figure 3	Proposed Nighttime Transmitter Site - Location Map
Figure 3A	Proposed Nighttime Transmitter Site - Location Map - Detail
Figure 3B	Proposed Nighttime Transmitter Site - Location Photo - Overhead
Figure 3C	Proposed Nighttime Transmitter Site - Location Photos - At Site
Figure 3D	Proposed Nighttime Transmitter Site - Site Plat Plan
Figure 4	Predicted Nighttime 1000 mV/m Contour
Figure 5	Predicted Nighttime Coverage Contours
Table II	Predicted Nighttime Distances to Contours
Table III	Conductivity Summary
Appendix I	Supplemental Conductivity Measurements - Conductivity Measurement Graphs & Measurement Data - Family of Curves - Measurement Location Maps

Exhibit 12

Statement B	Principal Community Coverage
Figure 6	Predicted Nighttime Interference-Free Contour

Exhibit 16

Statement C	Nighttime Allocation and Coverage Considerations
Table IV	Nighttime Interference-Free Contour Calculations
Table V	Nighttime Allocation Study
Table VI	Protection of WHAM Rochester, New York

Exhibit 18

Statement D	Nighttime Environmental Considerations - RF Exposure
Attachment I	Environmental Assessment (with Appendices)