



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION CONSTRUCTION PERMIT

Authorizing Official:

Official Mailing Address:

WINCHESTER RADIO BROADCASTERS, LLC
161 FILES CHAPEL DRIVE
WINCHESTER VA 22603

Son Nguyen
Supervisory Engineer
Audio Division
Media Bureau

Grant Date: April 28, 2011

Facility Id: 4668

Call Sign: WXVA

Permit File Number: BP-20110131AQW

This permit expires 3:00 a.m.
local time, 36 months after the
grant date specified above.

Subject to the provisions of the Communications Act of 1934, as amended, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this permit, the permittee is hereby authorized to construct the radio transmitting apparatus herein described. Installation and adjustment of equipment not specifically set forth herein shall be in accordance with representations contained in the permittee's application for construction permit except for such modifications as are presently permitted, without application, by the Commission's Rules.

Commission rules which became effective on February 16, 1999, have a bearing on this construction permit. See Report & Order, Streamlining of Mass Media Applications, MM Docket No. 98-43, 13 FCC RCD 23056, Para. 77-90 (November 25, 1998); 63 Fed. Reg. 70039 (December 18, 1998). Pursuant to these rules, this construction permit will be subject to automatic forfeiture unless construction is complete and an application for license to cover is filed prior to expiration. See Section 73.3598.

Equipment and program tests shall be conducted only pursuant to Sections 73.1610 and 73.1620 of the Commission's Rules.

Hours of Operation: Unlimited

Average hours of sunrise and sunset:
Local Standard Time (Non-Advanced)

Jan.	7:30 AM	5:15 PM	Jul.	5:00 AM	7:45 PM
Feb.	7:00 AM	5:45 PM	Aug.	5:30 AM	7:15 PM
Mar.	6:30 AM	6:15 PM	Sep.	6:00 AM	6:30 PM
Apr.	5:45 AM	6:45 PM	Oct.	6:15 AM	5:30 PM
May	5:00 AM	7:15 PM	Nov.	7:00 AM	5:00 PM
Jun.	4:45 AM	7:45 PM	Dec.	7:30 AM	4:45 PM

Callsign: WXVA

Permit No.: BP-20110131AQW

Name of Permittee: WINCHESTER RADIO BROADCASTERS, LLC

Station Location: WINCHESTER, VA

Frequency (kHz): 610

Station Class: B

Antenna Coordinates:

Day

Latitude: N 39 Deg 07 Min 26 Sec

Longitude: W 78 Deg 12 Min 44 Sec

Night

Latitude: N 39 Deg 11 Min 53 Sec

Longitude: W 78 Deg 13 Min 13 Sec

Transmitter(s): Type Accepted. See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.

Nominal Power (kW): Day: 0.38 Night: 0.50

Antenna Mode: Day: ND Night: DA

(DA=Directional Antenna, ND=Non-directional Antenna; CH=Critical Hours)

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1025561	

Night:

Tower No.	ASRN	Overall Height (m)
1	1053225	
2	1053226	
3	1053227	
4	1053228	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Night: 225.95

Standard RMS (mV/m/km):

Augmented RMS (mV/m/km): Night: 247

Q Factor: Night:

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	1.0000	0.000	0.0000	0.000	0	TL/S
2	0.8500	-176.000	120.0000	327.900	0	TL/S
3	0.8500	-155.000	282.0000	174.600	0	TL/S
4	0.7230	29.000	120.0000	327.900	1	TL/S

* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Top-Loaded/Sectionalized Tower Parameters: (See 47 CFR 73.160)

Tower No.	A	B	C	D
1	67.0	38.38	.00	.00
2	67.0	38.38	.00	.00
3	67.0	38.38	.00	.00
4	67.0	38.38	.00	.00

Augmentation Parameters:

Aug No.	Central Azimuth (Deg. T)	Span (Deg.)	Radiation at Central Azimuth (mV/m @ 1 km)
1	60.0	16.0	42.65
2	68.0	16.0	49.60
3	80.0	24.0	41.84
4	93.0	26.0	151.23
5	125.0	55.0	381.04
6	152.5	55.0	248.16
7	180.0	55.0	170.24
8	219.5	19.0	136.79
9	236.0	33.0	64.37
10	255.0	20.0	107.83
11	265.0	10.0	67.59
12	270.0	10.0	64.37
13	285.0	30.0	233.35
14	318.5	67.0	421.49

Augmentation Parameters:

Aug No.	Central Azimuth (Deg. T)	Span (Deg.)	Radiation at Central Azimuth (mV/m @ 1 km)
15	358.0	78.0	307.66

Non-Directional Antenna: Day

Radiator Height: 78.2 meters; 57.3 deg

Theoretical Efficiency: 284.2 mV/m/kw at 1km

Special operating conditions or restrictions:

- 1 Permittee shall install a type accepted transmitter, or submit application (FCC Form 301) along with data prescribed in Section 73.1660(b) should non-type accepted transmitter be proposed.
- 2 The permittee/licensee in coordination with other users of the site must reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.
- 3 Ground system consists of 120 equally spaced, buried, copper radials about the base of tower, each 122.5 meters in length.

*** END OF AUTHORIZATION ***