



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

MHR LICENSE LLC
 900 LASKIN ROAD
 VIRGINIA BEACH VA 23451

Son Nguyen
 Supervisory Engineer
 Audio Division
 Media Bureau

Grant Date: July 28, 2003

This license expires 3:00 a.m.
 local time, October 01, 2003.

Facility Id: 72103

Call Sign: WGH

License File Number: BL-20030417ACK

License to cover BP-19991206AAJ.

Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this license, the licensee is hereby authorized to use and operate the radio transmitting apparatus herein described.

This license is issued on the licensee's representation that the statements contained in licensee's application are true and that the undertakings therein contained so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such broadcasting service as will serve the public interest, convenience, or necessity to the full extent of the privileges herein conferred.

This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequency designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This license is subject to the right of use or control by the Government of the United States conferred by Section 606 of the Communications Act of 1934.

Hours of Operation: Unlimited

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

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

Callsign: WGH

License No.: BL-20030417ACK

Name of Licensee: MHR LICENSE LLC

Station Location: NEWPORT NEWS, VA

Frequency (kHz): 1310

Station Class: B

Antenna Coordinates:

Day

Latitude: N 37 Deg 02 Min 43 Sec

Longitude: W 76 Deg 26 Min 54 Sec

Night

Latitude: N 37 Deg 02 Min 43 Sec

Longitude: W 76 Deg 26 Min 54 Sec

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

Nominal Power (kW): Day: 20.0 Night: 5.0

Antenna Input Power (kW): Day: 21.0 Night: 5.4

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 20.5 Night: 10.4

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1019038	
2	1019037	
3	1019036	

Night:

Tower No.	ASRN	Overall Height (m)
1	1019038	
2	1019037	
3	1019036	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 1473.84 Night: 708.11

Standard RMS (mV/m/km): Day: 1548.42

Augmented RMS (mV/m/km): Night: 769.01

Q Factor: Day: Night:

Theoretical Parameters:

Day Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	0.5030	132.300	0.0000	0.000	0	88.8
2	1.0000	0.000	90.0000	143.000	0	88.8
3	0.5030	-139.700	180.0000	143.000	0	88.8

* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	1.0000	136.000	0.0000	0.000	0	88.8
2	1.9890	3.700	90.0000	143.000	0	88.8
3	1.0000	-136.000	180.0000	143.000	0	88.8

* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Augmentation Parameters:

Aug No.	Central Azimuth (Deg. T)	Span (Deg.)	Radiation at Central Azimuth (mV/m @ 1 km)
1	20.0	10.0	88.51
2	25.0	10.0	88.51
3	80.0	60.0	796.63
4	110.0	60.0	1279.14
5	143.0	66.0	1426.91
6	180.0	60.0	1216.31
7	210.0	60.0	708.11
8	257.0	76.0	98.17
9	295.0	56.0	168.98
10	350.0	10.0	173.81
11	355.0	10.0	175.42

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	8.7	0.456
2	0	1
3	-18.6	0.473

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	8.7	0.456
2	0	1
3	-18.6	0.473

Antenna Monitor: POTOMAC INSTRUMENTS 1901

Sampling System Approved Under Section 73.68 of the Rules.

Special operating conditions or restrictions:

1 MONITOR POINT DESCRIPTIONS

18.5° - Point located at manhole cover at intersection of Newgate Village Road and Edgemont Drive, 4.86 km from site, max 9.3 mV/m daytime.

29° - Point located at SE corner of intersection of Semple Farm Road and Banks Lane, 5.84 km from site, max 4.7 mV/m daytime.

267.5° - Point located at intersection of Museum Parkway and Riverside Drive, 3.85 km from site, max 18.6 mV/m daytime.

25° - From intersection of Big Bethel Road and Blackburn Lane, proceed 0.32 km west to Williams Borrow Pit property (33 paces NW into field from edge of Blackburn Lane, 3.94 km from site, max 9.8 mV/m nighttime.

257° - From intersection of Main Street and Elm Avenue, proceed 1.5 blocks to point on south side of street in front of #44, 2.45 km from site, max 24.5 mV/m nighttime.

323° - From intersection of Main Street and Jefferson Avenue, proceed north on Jefferson 4.34 km to side entrance of parking area, point is off road on west side of bank building, 3.83 km from site, max 46.2 mV/m nighttime.

*** END OF AUTHORIZATION ***