



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Susan N. Crawford

Susan N. Crawford
 Assistant Chief
 Audio Division
 Media Bureau

Official Mailing Address:

HEARST STATIONS INC.
 C/O BROOKS, PIERCE, ET. AL
 P.O. BOX 1800
 RALEIGH NC 27602

Grant Date: July 30, 2010

This license expires 3:00 a.m.
 local time, October 01, 2011.

Facility Id: 65679

Call Sign: WBAL

License File Number: BZ-20100406ADF

This license re-issued September 30, 2013, by SNC to add a Special Operating Condition authorizing the use of modulation dependent carrier level (MDCL) control technology.

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.	7:30 AM	5:15 PM	Jul.	4:45 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	7:15 PM	Nov.	6:45 AM	4:45 PM
Jun.	4:45 AM	7:30 PM	Dec.	7:15 AM	4:45 PM

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Name of Licensee: HEARST STATIONS INC.

Station Location: BALTIMORE, MD

Frequency (kHz): 1090

Station Class: A

Antenna Coordinates:

Day

Latitude: N 39 Deg 22 Min 33 Sec

Longitude: W 76 Deg 46 Min 21 Sec

Night

Latitude: N 39 Deg 22 Min 33 Sec

Longitude: W 76 Deg 46 Min 21 Sec

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

Nominal Power (kW): Day: 50.0 Night: 50.0

Antenna Input Power (kW): Day: 50.0 Night: 52.56

Antenna Mode: Day: ND Night: DA

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

Current (amperes): Day: 31.6 Night: 32.4

Resistance (ohms): Day: 50 Night: 50

Non-Directional Antenna: Day

Radiator Height: 152.8 meters; 200 deg

Theoretical Efficiency: 408.77 mV/m/kw at 1km

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1040398	

Night:

Tower No.	ASRN	Overall Height (m)
1	1040399	
2	1040398	
3	1040397	

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DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Night: 2661.85

Standard RMS (mV/m/km):

Augmented RMS (mV/m/km): Night: 2795.93

Q Factor: Night: 24.7839

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	0.5090	102.200	0.0000	0.000	0	200.0
2	1.0000	0.000	93.0000	85.000	1	200.0
3	0.5090	-102.200	93.0000	85.000	1	200.0

* 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	15.0	20.0	3200.82
2	25.0	20.0	3723.54
3	71.5	27.0	4655.19
4	85.0	27.0	4857.48
5	100.0	30.0	4861.18
6	115.0	30.0	4653.90
7	130.0	30.0	4295.18
8	145.0	15.0	3696.18
9	152.5	15.0	3332.95
10	222.0	52.0	119.09
11	248.0	52.0	112.65
12	282.0	58.0	90.12
13	311.0	30.0	119.09

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	112.3	0.44
2	0	1
3	-110.3	0.623

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Antenna Monitor: POTOMAC INSTRUMENTS 1901 (SN 187)

Sampling System Approved Under Section 73.68 of the Rules.

Monitoring Points:

Night Operation:

Radial (Deg. T)	Distance From Transmitter (km)	Maximum Field Strength (mV/m)
216	1.91	75.13
255	1.91	66.4
309	5.1	9.95

Special operating conditions or restrictions:

- 1 Ground System consists of 120-137.2 m buried radials about base of each tower plus a ground screen having a radius of 9.1 m. Radials are shortened and bonded to copper strap midway between elements.

2 DESCRIPTION OF AND FIELD INTENSITY MEASURED AT MONITORING POINTS:

Direction of 216 Degrees True North. Start at the Transmitter building on Winans Road and proceed 1.05 miles southeasterly to old Court Road, 0.6 mile west to church lane, 0.5 mile westerly to Benbrook Road, then south on Benbrook Road 0.3 miles, crossing Liberty Road, to the monitoring point located on a parking lot on east side of street adjacent to curb just beyond entrance. The field intensity measured at this point should not exceed 75.13 mV/m.

Direction of 255 Degrees True North. From the 216 degree monitoring point on Benbrook Road, proceed northerly to Liberty Road, northwest 0.64 miles to McDonough Road, northeast 0.3 mile to Allenswood Road and 0.05 mile northwest to the monitoring point located on the sidewalk crossing at the southwest corner of Allenswood Road and Samoset Road. The field intensity measured at this point should not exceed 66.4 mV/m

Direction of 309 Degrees True North. Proceed from the 255 degrees monitoring point westerly 0.25 mile to Offutt Road, southwest 0.2 mile to Liberty Road, Northwest 1.7 miles to Dear Park Road, northerly 1.25 mile to Dolfield Road, northeasterly 0.75 mile to Watts Lane, and 225 feet north of Watts Lane to the monitoring point located on the west shoulder of Dolfield Road. The field intensity measured at this point should not exceed 9.95 mV/m.

- 3 Waiver of 47 C.F.R. Section 73.1560(a) is granted to permit the licensee to operate with modulation dependent carrier level (MDCL) control technology, which reduces transmitter power at certain modulation levels.

- 4 This license is effective pursuant to 47 U.S.C. Section 307(c)(3).

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Special operating conditions or restrictions:

- 5 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.

*** END OF AUTHORIZATION ***