

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No.: BL-860918AB
FAC ID 43864
Call Sign: WBGR

AM BROADCAST STATION LICENSE

Subject to the provisions of the Communications Act of 1934, as amended, subsequent Acts, Treaties, and Commission Rules made thereunder, and further subject to conditions set forth in this license, the LICENSEE

MORTENSON BROADCASTING COMPANY

is hereby authorized to use and operate the radio transmitting apparatus hereinafter described for the purpose of broadcasting for the term ending 3 a.m. Local Time **OCTOBER 1, 1988** in accordance with the following:

- 1. Station location: **Baltimore, MD**
- 2. Main Studio location:
 (Listed only if not at transmitter site or not within boundaries of principal community)
- 3. Remote control location: **334 N. Charles Street
21201, Baltimore, MD**
- 4. Transmitter location: **North East Creek at
Edgewater Avenue, Baltimore, MD** North latitude : **39° 18' 43"**
West longitude: **76° 29' 26"**

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

6. Antenna and ground system: **Attached**

7. Obstruction marking and lighting specifications — FCC Form 715, paragraphs: **1, 3, 11, 21 & 22.**

8. Frequency (kHz.): 860

9. Nominal power (kW): 2.5 Day
Night

Antenna input power (kW): 2.7 Day

Non-directional antenna: current _____ amperes; resistance _____ ohms.
 Directional antenna : current 7.35 amperes; resistance 50 ohms.

Night
 Non-directional antenna: current _____ amperes; resistance _____ ohms.
 Directional antenna : current _____ amperes; resistance _____ ohms.

10. Hours of operation: Specified in construction permit (BP -821203AC, BMP-860731AI & BMP-860918AC)
11. Conditions: - - -

The Commission reserves the right during said license period of terminating this license or making effective any change or modification of this license which may be necessary to comply with any decision of the Commission rendered as a result of any hearing held under the rules of the Commission prior to the commencement of this license period or any decision rendered as a result of any such hearing which has been designated but not held, prior to the commencement of this license period.

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 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, as amended. 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, as amended.



June 1980

File NO. BL-860918AB

Call Sign: WBCR

Date:

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1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

No. and Type of Elements: Three uniform cross-section, guyed, series-excited vertical steel radiators. Theo RMS = 463.11 mv/m/km, Aug Std RMS = 487.11 mv/m/km.

Height above Insulators: 240' (75.5°)

Overall Height: 246'

Spacing and Orientation: From reference tower #2(C), tower #1(NE) is spaced 74° on a line bearing 38.77°, tower #3(SW) is spaced 74° on a line bearing 220.26°.

Non-Directional Antenna: None used

Ground System consists of 120-160' to 250' equally spaced, buried, copper radials plus a 24' x 24' copper ground screen about each tower. Radials are shortened and bonded to transverse copper strap midway between towers.

2. THEORETICAL SPECIFICATIONS

Phasing:	Tower	#1(NE)	#2(C)	#3(SW)
	Day	142.1°	0.0°	-142.1°
Field Ratio:	Day	0.564	1.000	0.564

3. OPERATING SPECIFICATIONS

Phase Indication*:				
	Day	141.6°	0°	-141.6°

Antenna Base				
Current Ratio:	Day	0.574	1.00	0.521

Antenna Monitor Sample				
Current Ratio:	Day	0.60	1.00	0.53

* As indicated by Potomac Instruments AM-19D(210) antenna monitor.

ANTENNA SAMPLING SYSTEM APPROVED UNDER SECTION 73.68(b) OF THE RULES.

WBGR

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DESCRIPTION OF AND FIELD STRENGTH OF MONITORING POINTS:

Direction of 17 degree true North. From the WBGR transmitter, proceed south on Edgewater Avenue and turn North onto Severn Avenue for a distance of .25 miles, then turn south onto Chesaco Avenue. Turn East on US #40 to Rossville Blvd. Turn North on Rossville Blvd for a distance of .1 mile, turn east onto Yellowbrick Road for a distance of 100 feet then turn South onto the Toys R Us parking lot. Continue to the Southeast corner of the parking lot which is adjacent to U.S #40. The monitoring point is located 100 feet from the southeast entrance into the parking lot off US #40, along the edge of the lot. This is point #4 on the survey and is 1.88 miles from the array. The field intensity measured at this point should not exceed 14.8 mV/m.

Direction of 40 degree true North. From WBGR transmitter proceed south on Edgewater Avenue turn east onto Severn Avenue for a distance of .25 miles, then turn south onto Chesaco Avenue. Turn East onto US #40 to Rossville Blvd. Turn South onto Rossville Blvd and proceed to Orem Road Turn East onto Orem Road and proceed .25 miles, Turn North onto Goldentree Lane then East onto High Villa Road proceed to the intersection of High Villa Road and Tulip Tree Ct. The monitoring Point is located on the Northeast corner of High Villa Road and Tulip Tree Ct. on the Sidewalk. This is point #6 on the survey and is 1.88 miles from the array. The field intensity measured at this should not exceed 23.1 mV/m.

Direction of 122 degree true North. From the WBGR transmitter, proceed south on Edgewater Avenue turn east onto Severn Avenue for a distance of .25 miles, then turn south onto Chesaco Avenue to US #40. Turn East onto US #40 and proceed to Rossville Blvd. Turn South onto Rossville Blvd. and proceed to Mace Road. Turn South onto Mace Road and proceed to Eastern Avenue. Turn East on Eastern Avenue and proceed to Marlyn Avenue. Turn South on Marlyn Avenue to Bluebird Road and turn West. Proceed 100 feet to Creek Road and turn East for a distance of 50 feet. The monitoring point is located in a open lot 100 feet west of the Creek Road. This is point #11 on the survey and is 1.78 miles from the array. The field intensity measured at this point should not exceed 6.1 mV/m.

Direction of 340 degree true North. From the WBGR transmitter, proceed south on Edgewater Avenue and turn East on to Severn Avenue for a distance of .25 miles, then turn south on Chesaco Avenue, cross US#40 and continue on and turn east on the Philadelphia Road for a distance of 1.05 miles. Turn North onto Kenwood Avenue for a distance of .1 miles to the rear of the Rose Market Store. The monitoring point is located on the steps leading to the school yard at the rear of the Rose Market. This is point #4 on the survey and is 1.47 miles from the array. The field intensity measured at this point should not exceed 39.3 mV/m.