

UNITED STATES OF AMERICA  
FEDERAL COMMUNICATIONS COMMISSION  
AM BROADCAST STATION LICENSE

File No. : BZ-900117AE  
FAC ID : 35720  
Call Sign : WASA  
WJSS

LICENSEE:

The Chesapeake Broadcasting Corporation

Community of License .....: Havre De Grace, MD  
Transmitter location .....: 1605 Level Road  
Havre De Grace, MD  
North latitude .....: 39 ° 33' 55"  
West longitude .....: 76 ° 07' 08"

- 3. Transmitter(s): Type Accepted. (See Sections 73.1660, 73.1665 and 73.1670 of the Commission's rules)
- 4. Main Studio location: (See Section 73.1125)  
1605 Level Road,  
Havre De Grace, MD
- 5. Remote control location: ---

Antenna and ground system: Attached

Obstruction marking and lighting specifications - FCC Form 715, paragraphs: 3 & 21 for tower #2.  
None required for towers #1. & #3.

Frequency .....: 1330 kHz

Nominal power (kW) .....: 5.0 Day 0.5 Night

Antenna input power (kW):

3.886 Day  Non-directional antenna: current 5.51 amperes; resistance 128 ohms.  
 Directional antenna

0.54 Night  Non-directional antenna: current 3.29 amperes; resistance 50 ohms.  
 Directional antenna

Hours of operation: Specified in BL-790515AF

Conditions .....: ---

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 is hereby authorized to use and operate the radio transmitting apparatus herein described for the purpose of broadcasting for the term ending 3 A.M. Local Time

October 1, 1995

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 as not held, prior to the commencement of this license period.

The license is issued on the licensee's representation that the statements contained in the 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, 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.

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FEDERAL  
COMMUNICATIONS  
COMMISSION



MAR 20 1990

This license consists of this page and pages 2, 3.

dated: MAR 16 1990

MMB-353  
July 1977

FILE NO. BZ-900117AE

CALL LETTERS WASA  
WISS

FAC ID: 35120

### 1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

**No. and Type of Elements:** Three (3) vertical, triangular, guyed, series-excited, steel radiators of uniform cross-section; Tower #2: guyed, uniform cross-section from 12.8 m - 54.9 m; guyed, tapered from 54.9 m - 61 m; non-guyed, cross-section from 61 m - 77.4 m. Various Communication Antennas are side mounted near the top of tower #2. Theoretical RMS 249.45 mV/m/km. Standard RMS 262.15 mV/m/km. Q=10.491 Night.

**Height above Insulators:** C(#2): 76.2 m (121.7°); NW(#3) & SE(#1): 56.4 m (90°).

**Overall Height:** C(#2): 78.4 m; NW(#3) & SE(#1): 57.6 m.

**Spacing and Orientation:** With SE(#1) as reference, C(#2) is spaced 90° at a bearing of 327° true; NW(#3) tower is spaced 180° at a bearing of 327° true.

**Non-Directional Antenna:** Tower #2(C). Theoretical efficiency 288.07 mV/m/kW at 1 km - Daytime.

**Ground System consists** NW(#3) and SE(#1) have 120 - 56.4 m buried copper radials. Radials are shortened and bonded to common strap midway between towers. In addition 120 - 15.2 m stub radials are installed about the base of towers. C(#2) has 120 - 83.8 m buried copper radials about the base.

### 2. THEORETICAL SPECIFICATIONS

	Tower	SE(#1)	C(#2)	NW(#3)
Phasing:	Night	0°	154.87°	310°
Field Ratio:	Night	1.00	2.193	1.345

### 3. OPERATING SPECIFICATIONS

Phase Indication*:	Night	50.5°	0°	97°
Antenna Base Current Ratio:	Night	0.846	1.00	0.986
Antenna Monitor Sample Current Ratio:	Night	0.510	1.00	0.615

\* As indicated by Potomac Instruments AM -19 (204) Antenna Monitor.

Antenna sampling system approved under Section 73.68(b).

WASA  
WJSS

BZ-900117AE  
ID- 35120

DIRECTION OF AND FIELD INTENSITY AT MONITORING POINT:

**Direction of 29.3° true North.** From 52.1° E monitoring point continue 0.25 miles and turn left at flashing amber light on Route 222 North, continue for 1.25 miles and turn left at Mt. Ararat Farms sign. Continue for 0.7 miles along road to weeping willow tree on left hand side of farm crossroad. N 29.3° E monitoring point is on left side road, 40 feet from crossroad. This is point number 23, and is 2.22 miles (3.57 km) from the array. The field intensity measured at this point should not exceed 2.5 mV/m.

**Direction of 52.1° true North.** From driveway turn left, take Route 155 East for 1.0 mile, turn sharp right immediately after passing under store railroad bridge, proceed along Ohio Street (Rte. 155 E) for 0.4 mile to traffic lights. Turn left onto Pulaski Highway (Rte. 40 E), continue for 2.1 miles across toll bridge, turn left on Route 222 North at first set of traffic lights after tollgate. Proceed 2.0 miles to banked area on right lane side of road, 50 feet past "Interstate I-95 South Baltimore" sign (0.4 mile past I-95 North off ramp) walk across Rte. 222 and proceed to 20 feet short of the yield sign to the I-95 South on-ramp. N 52.1 E monitor point is on grassed area near yield sign, This is point number 23, and is 3.44 miles (5.53 km) from the array. The field intensity measured at this point should not exceed 1.1 mV/m.

**Direction of 241.9° true North.** From driveway turn right, take State Route 155 West for 3.0 miles, turn left onto Paradise Road (State Route 462 South), drive 3.1 miles and turn right onto Beards Hill Road. Proceed 0.2 miles, turn right onto Maxa Road and continue 0.9 miles to Mailbox # 800. Monitoring point is 4 feet northeast of Mailbox # 800. Distance from array is 3.68 miles. This is point number 32, and is 3.68 miles (5.92 km) from the array. The field intensity measured at this point should not exceed 1.55 mV/m.

**Direction of 264.7° true North.** From driveway turn right and take Route 155 West for 3.0 miles (1.45 miles from I-95 South off-ramp) and turn left onto Paradise Road (Route 462 South), proceed 1.0 mile along Route 462, turn right onto West Chapel Road and drive 0.95 mile to rear of large stone shed. N 264.7° E monitoring point is midway between stone shed and West Chapel Road. This Point number 41, and is 3.4 miles (5.47 km) from the array. The field intensity measured at this point should not exceed 1.0 mV/m.