FCC Form 352
May 1988

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

**AM BROADCAST STATION LICENSE**

File No. : BZ-920121AC
FAC ID : 34381
Call Sign : W B E N

LICENSEE:

ALGONQUIM BROADCASTING CORP.

1. Community of License .....: Buffalo, New York

2. Transmitter location .....: Corner of Bush Road and South Parkway Grand Island, New York

North latitude .....: 42° 58' 42"
West longitude .....: 78° 57' 27"

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)
2077 Elmwood Avenue
Buffalo, New York

5. Remote control location:
2077 Elmwood Avenue
Buffalo, New York

6. Antenna and ground system: Attached

7. Obstruction marking and lighting specifications - FCC Form 715, paragraphs: 1, 3, 4, 13 & 21

8. Frequency .....: 930 kHz

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

Antenna input power (kW):

5.0 Day [XX] Non-directional antenna: [ ] Directional antenna : current 5.77 amperes; resistance 150 ohms.

5.4 Night [ ] Non-directional antenna: [XX] Directional antenna : current 10.4 amperes; resistance 50 ohms.

10. Hours of operation: Specified in BR-236

11. 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, [1] 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 June 1, 1998.

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.

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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[1] This license consists of this page and pages 2 & 3

Dated: 27 MAR 1992

FEDERAL COMMUNICATIONS COMMISSION

FCC Form 353-A
FAC ID: 34381
File NO. BZ-920121AC **Call Sign:** W B E N Date: 2/10/92

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

**No. and Type of Elements:** Two (2) uniform cross-section, guyed, series excited vertical steel radiators. Theoretical RMS: 832.03 mV/m at 1 km Night; Augmented RMS: 876.69 mV/m at 1 km, Night.

**Height above Insulators:** 143.29 m (160°) top loaded 33° to an electrical height of 193° by means of top-set of four guy wires.

**Overall Height:** 144.82 m

**Spacing and Orientation:** 121.04 m (135°) line of tower bearing 40° True.

**Non-Directional Antenna:** Northwest tower (southwest tower detuned).

**Ground System consists** of 120 buried copper radials equally spaced and 129.57 m in length. Intersecting radials are shorted and bonded to transverse copper wire midway between towers.

2. THEORETICAL SPECIFICATIONS

| Tower | Northeast tower | Southwest Tower |
|---|---|---|
| **Phasing** | 0° | 63° |
| **Field Ratio:** | 1.0 | 0.80 |

3. OPERATING SPECIFICATIONS

| | | |
|---|---|---|
| **Phase Indication*:** | 0° | 64.5° |
| **Antenna Base Current Ratio:** | 1.0 | **0.532** |
| **Antenna Monitor Sample Current Ratio:** | 1.0 | 0.8 |

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

**Antenna sampling system approved under** Section **73.68(b) rules.**

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DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:

**Direction of 160° True North.** From transmitter entrance, proceed west (right) on Bush Road 0.1 mile to Beaver Island Parkway, south (left) 0.5 mile to traffic circle, southwesterly around circle to Beaver Island State Park main entrance. Proceed south, east and south 0.91 mile to Beaver Island State Park Casino (following signs), and east and southeast along Niagara River 0.18 mile to monitoring point located on west edge of paved road in front of park shelter #2B. A fluorescent orange mark has been placed on a tree 30 feet west of monitoring point, between shelter and road. Distance from the array center is 1.4 miles (2.25 km). The field intensity measured at this point should not exceed **238.5 mV/m**.

**Direction of 220° True North.** From transmitter entrance, proceed west (right) 0.36 mile to Baseline Road, south (left) 0.5 mile to Oakfield East Road, west (right) 0.24 mile to crossroad. (Oakfield East becomes service road just before crossroad). Monitoring point is located on the north edge of pavement in the crossroad midway between service road and west river parkway. A fluorescent orange mark has been placed on the pavement at this point. Distance from the array center is 0.93 mile (1.45 km). The field intensity measured at this point should not exceed **129.7 mV/m**.

**Direction of 250° True North.** From the transmitter entrance, proceed west (right) 1.0 mile to stop sign (Bush Road ends), south 0.03 mile across service road to West River Parkway, southeast (left) 0.09 mile to monitoring point located at west shoulder of paved parkway, 25 feet east of 2nd steel drainage grate. A fluorescent orange mark has been placed on curb noting the location of this point. Distance from the array center is 1.02 miles (1.64 km). The field intensity measured at this point should not exceed **65.9 mV/m**.