

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No.: BZ-841129AH

Call sign: WNFL

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

COMMUNICATIONS PROPERTIES, INC.

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 **DECEMBER 1, 1989** in accordance with the following:

1. Station location: **Green Bay, WI**

2. Main Studio location:
(Listed only if not at transmitter site or not within boundaries of principal community)

3. Remote control location: **N/A**

4. Transmitter location: **Bellevue Road
Green Bay, Wisconsin**

North latitude: **44° 28' 40"**
West longitude: **88° 00' 00"**

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, see page 2**

7. Obstruction marking and lighting specifications → FCC Form 715, paragraphs: **1, 3, 12 & 21**

8. Frequency (kHz): **1440**

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

Antenna input power (kW): **5.4** Day

Non-directional antenna: current _____ amperes; resistance _____ ohms.
 Directional antenna : current **10.4** amperes; resistance **50** ohms.

0.54 Night

Non-directional antenna: current _____ amperes; resistance _____ ohms.
 Directional antenna : current **3.29** amperes; resistance **50** ohms.

10. Hours of operation: Specified in
11. Conditions: — —

BS-1824

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 306 of the Communications Act of 1934, as amended.



1440 kHz
5.0 kW Day
0.5 kW Night

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Date:

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1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

No. and Type of Elements: Three tapered, self-supporting, series-excited, vertical steel radiators. South tower supports a remote broadcast antenna side-mounted near top.

Height above Insulators:	S(#1) 269' (142°)	NE(#2) & NW(#3) 200' (105°)
Overall Height:	273'	204'

Spacing and Orientation: Towers are spaced to form the corners of a right triangle, the South side of which is 341' (180°) long and bears 293° true, and the East side of which is 256' (135°) long and bears 23° true.

Non-Directional Antenna: N/A

Ground System consists of 120 equally spaced buried copper radials 320' long at the base of the S(#1) tower and 120 equally spaced buried copper radials 175' long at the numbers 2 and 3 towers, all three systems bonded together with 2" copper strap.

2. THEORETICAL SPECIFICATIONS

Phasing:	Tower	S(#1)	NE(#2)	NW(#3)
	Night:	0°	-130°	-100°
	Day:	0°	-30°	20°
Field Ratio:	Night:	1.0	1.35	1.4
	Day:	1.0	1.65	.75

3. OPERATING SPECIFICATIONS

Phase Indication*:	Night:	0°	-132.2°	-96.0°
	Day:	0°	-21°	26°

Antenna Base Current Ratio:	Night:	0.599	1.00	1.077
	Day:	0.314	1.00	0.339

Antenna Monitor Sample Current Ratio:	Night:	0.800	1.00	1.138
	Day:	0.410	1.00	0.440

* As indicated by Potomac Instrument AM-19(204) antenna monitor.

EXEMPTIONS AS LISTED IN SECTION 73.68(b) OF THE RULES WILL APPLY DURING PROPER OPERATION OF APPROVED SAMPLING SYSTEM.