

UNITED STATES OF AMERICA  
FEDERAL COMMUNICATIONS COMMISSION

File No.: BZ-9853

Call Sign: W A U K

STANDARD BROADCAST STATION LICENSE

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

WALT-WEST WISCONSIN, 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, 1982

The licensee shall use and operate said apparatus only in accordance with the following terms:

- On a frequency of 1510 kHz.
- With nominal power of - watts nighttime and 10 kilo watts daytime,  
with antenna input power of - watts - directional [ ] - current - ampere  
antenna nighttime ..... resistance - ohm  
and antenna input power of 10.5 kilo watts ---directional [Common Point current 14.23 ampere  
antenna daytime ..... Common Point resistance ohm

- Hours of operation: Daytime as follows:  
Average hours of sunrise and sunset:  
Jan. 7:30 am to 4:45 pm; Feb. 6:45 am to 5:30 pm;  
Mar. 6:00 am to 6:00 pm; Apr. 5:15 am to 6:30 pm;  
May 4:30 am to 7:15 pm; June 4:15 am to 7:30 pm;  
July 4:30 am to 7:30 pm; Aug. 5:00 am to 7:00 pm;  
Sep. 5:30 am to 6:00 pm; Oct. 6:00 am to 5:15 pm;  
Nov. 6:45 am to 4:30 pm; Dec. 7:15 am to 4:15 pm;  
Central Standard Time (Non-Advanced)

- With the station located at: Waukesha, Wisconsin
- With the main studio located at: 0.18 mi. N of Hwy 59 on Whitehall Street  
Waukesha, Wisconsin

6. Remote control point:

- Transmitter location: North Latitude: 43° 01' 02.8"  
0.18 mi. N of Hwy 59 on West Longitude: 88° 11' 43.3"  
Whitehall Street  
Waukesha, Wisconsin

8. Obstruction marking specifications in accordance with the following paragraphs of FCC Form 715: None required.

9. Transmitter(s): Type Accepted

10. Conditions: ---

The Commission reserves the right during said license period of terminating this license or making effective any changes 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 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 privilege 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 this 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.



File NO.: BZ-9853

Call Sign: WAUK

Date: 7-13-82

DA-

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

**No. and Type of Elements:** Two (2) uniform cross-section, guyed, series excited vertical radiators with an FM antenna side-mounted near the top of the #1(S) tower. The FM antenna is not connected across the tower base.

**Height above Insulators:** 150' (83°)

**Overall Height:** 153'

**Spacing and Orientation:** Spaced 163' (90°) between elements on a line bearing 3° true.

**Non-Directional Antenna:** None used.

**Ground System consists of** 120 equally spaced, buried, copper radials 163' in length plus 120 interspaced radials 50' in length about the base of each tower. Intersecting radials bonded to transverse copper straps midway between adjacent elements.

2. THEORETICAL SPECIFICATIONS

	TOWER	#1(S)	#2(N)
Phasing:		0°	-80°
Field Ratio:		1.0	1.0

3. OPERATING SPECIFICATIONS

Phase Indication\*: 0°

**Antenna Base**  
Current Ratio: 1.00

**Antenna Monitor Sample**  
Current Ratio: 1.00

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

Field measuring equipment shall be available at all times and the field intensity at each of the monitoring points shall be measured at least once every seven days and an appropriate record kept of all measurements so made.

DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Direction of  $50^{\circ}$  true North. Leaving the transmitter, proceed south on Whitehall St. 0.3 miles to Highway 59. Turn east on Highway 59 0.5 miles to Springdale Rd. Turn left (North) and proceed 0.7 miles to Davidson St. Turn right (east) and proceed 0.45 miles to Kossow St. Turn left (north) and proceed 0.3 miles to measuring location. Measuring location is on east side of road by mail box in front of 330 Kossow St. This location is 1.20 miles from WAUK. The field intensity measured at this point should not exceed 480 mV/m.

Direction of  $183^{\circ}$  true North. Leaving the transmitter, proceed south on Whitehall ST. 0.2 miles to Highway 59. Turn west and go 0.2 miles to Highway A. Turn left (south) on Highway A, and proceed 1.3 miles to intersection with Highway Y. Turn left on Highway Y and proceed 0.15 miles to Highway U. Turn right on Highway U and proceed 0.4 miles to Indianwood Lane. Turn left on Indianwood Lane and proceed 0.15 miles to the intersection with Blackhawk Trail. Measuring location is the streets intersection. This location is 1.93 miles from WAUK. The field intensity measured at this point should not exceed 40 mV/m.