

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No.: BL-820511AM

Call Sign: W A T R

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, ¹the LICENSEE

W A T R, INCORPORATED

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 APRIL 1, 1984

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

- 1. On a frequency of 1320 kHz.
- 2. With nominal power of 1 kilo watts nighttime and 5 kilo watts daytime,

with antenna input power of 1080 watts --- directional	COMMON POINT	current 4.48	amperes
antenna nighttime	COMMON POINT	resistance 54	ohms,
and antenna input power of 5400 watts --- directional	COMMON POINT	current 10	amperes
antenna daytime	COMMON POINT	resistance 54	ohms

- 3. Hours of operation: UNLIMITED:
Average hours of sunrise and sunset:
Jan. 7:15am to 4:45pm; Feb. 6:45am to 5:30pm;
Mar. 6:00am to 6:00pm; Apr. 5:15am to 6:30pm;
May 4:30am to 7:00pm; June 4:15am to 7:30pm;
July 4:30am to 7:30pm; Aug. 5:00am to 7:00pm;
Sep. 5:30am to 6:00pm; Oct. 6:00am to 7:00pm;
Nov. 6:45am to 4:30pm; Dec. 7:15am to 4:30pm;

- 4. With the station located at: EASTERN STANDARD TIME (NON-ADVANCED)
WATERBURY, CONNECTICUT
- 5. With the main studio located at: Baldwin Avenue,
Waterbury, Connecticut

- 6. Remote control point: Peach Orchard Road
 - 7. Transmitter location: Waterbury, Connecticut
Baldwin Avenue
Waterbury, Connecticut
- | | |
|-----------------|----------------|
| North Latitude: | 41 ° 32 ' 12 " |
| West Longitude: | 73 ° 01 ' 52 " |

8. Obstruction marking specifications in accordance with the following paragraphs of FCC Form 715: 1.

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'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. 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.

¹/This license consists of this page and pages 2,3,&4

Dated: JULY 29, 1982

FEDERAL
COMMUNICATIONS
COMMISSION



June 1980

File No.: BL-820511AM

Call Sign: W A T R

Date: 7-29-82

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

DA-

No. and Type of Elements: Three tapered, self-supporting, base insulated steel towers.

Height above Insulators: 199' (96°)

Overall Height: 208'

Spacing and Orientation: 191' (92.25°) between adjacent elements on a line bearing 350° true.

Ground System consists of 120-190' equally spaced buried copper radials plus 120-50' interspaced radials about the base of each tower; radials are shortened and bonded to transverse copper strap at points of intersection midway between adjacent towers.

2. THEORETICAL SPECIFICATIONS

	TOWER	S(#1)	C(#2)	N(#3)
Phasing:	Night	180°	--	0°
	Day	140°	23.5°	-140°
Field Ratio:	Night	1.0	--	1.25
	Day	0.50	0.88	0.50

3. OPERATING SPECIFICATIONS

Phase Indication*:	Night	0°	--	177°
	Day	108°	0°	-156°
Antenna Base Current Ratio:	Night	1.0	--	0.924
	Day	0.601	1.0	0.595
Antenna Monitor Sample Current Ratio:	Night	1.0	--	0.92
	Day	0.235	1.0	0.555

*As indicated by Potomac 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.

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 thirty days and an appropriate record kept of all measurements so made.

DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Direction of 80° true North. From the WATR transmitter site, turn left to Piedmont Street. Turn left onto Piedmont and proceed southeast one block to Edgewood Avenue. Turn left onto Edgewood and proceed 0.7 mile to Route 69 (Hamilton). Turn left onto Route 69 and proceed northwest 0.2 mile to the I-84 eastbound entrance ramp. Turn right onto ramp proceed 3.7 miles east on I-84 to Exit 26 (Route 70). Follow exit ramp to Route 70, turn left and proceed 0.6 mile to Rita Avenue. Turn right onto Rita Avenue and proceed approximately 0.04 mile. The point is located 10 feet off the west edge of Rita Avenue at a dirt road entrance immediately south of the driveway to a large metal garage building. The field intensity measured at this point should not exceed 11.5 mV/m DAYTIME 2.4 mV/m NIGHTTIME.

Direction of 135° true North. From the WATR transmitter site, turn left and proceed 0.2 mile southeast on Baldwin Avenue to Piedmont Street. Turn left onto Piedmont and proceed southeast 0.5 mile to a "STOP" sign. Continue straight ahead onto Spring Lake Road. Proceed 0.9 mile to a "Y" junction. Take the left branch of the "Y" (East Waterbury Road). Proceed 0.8 mile southeast on East Waterbury Road to Route 68. Turn left and proceed 1.7 miles east on Route 68 to Hydeler Avenue. The point is located in a field 50 feet southwest of the pavement at the intersection of Route 68 and Hydeler Avenue. The field intensity measured at this point should not exceed 19.8 mV/m DAYTIME.

Direction of 170° true North. From the WATR transmitter site, turn left and proceed 0.2 mile southeast on Baldwin Avenue to Piedmont Street. Turn left onto Piedmont, proceed southeast 0.5 mile to a "STOP" sign. Continue straight ahead onto Spring Lake Road. Proceed 0.9 mile to a "Y" junction. Take the left branch of the "Y" (East Waterbury Road). Proceed 0.8 mile southeast on East Waterbury Road to Route 68. Turn left, proceed 200 feet and turn right onto Maple Hill Road. Proceed south 0.25 mile to Wooster St. Turn right onto Wooster, proceed 0.07 mile and turn left into the shipping and receiving entrance of Howard Engineering. Pass through metal gate across driveway; leave car and proceed 75 feet west to point. The field intensity measured at this point should not exceed 30.3 mV/m DAYTIME.

CONTINUED:DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Direction of 225° true North. From the WATR transmitter site, turn right onto Baldwin Avenue and proceed 0.2 mile northwest to Baldwin Street. Turn left onto Baldwin Street, proceed south 1.2 miles to South Main Street. Turn left and proceed south 0.3 mile to Platts Mill Road. Turn right and follow Platts Mill Road 0.4 mile to Bristol Street. Turn right onto Bristol and proceed 0.3 mile northwest to Elise Drive. Turn left onto Elise Drive, proceed 0.3 mile to Oronoke Road. The point is located on the east side of Oronoke Road, 50 feet north of the intersection with Elise Drive. The field intensity measured at this point should not exceed 26.9 mV/m DAYTIME.

Direction of 260° true North. From the WATR transmitter site, turn right onto Baldwin Avenue and proceed 0.2 mile to Baldwin Street. Turn left and proceed 0.1 mile to Piedmont Street. Turn right; proceed north 0.4 mile to Washington Street (second traffic light). Turn left; proceed 0.4 mile to Route 8 entrance ramp. Proceed 0.5 mile north on Route 8 to I-84 interchange. Proceed west 1.5 miles on I-84 to Exit 17. Exit I-84 and proceed west 0.3 mile on Route 64 to Route 63. Turn left onto Route 63; proceed south 0.8 mile to Country Club Rd. Turn right onto Country Club Rd.; proceed 0.4 mile southwest to Route 188. Turn right on Route 188; proceed west 0.2 mile to Maple Drive. Follow Maple Drive 0.2 mile to the end of the road. The point is located in the center of a paved circle at the end of Maple Drive. The field intensity measured at this point should not exceed 1.65 mV/m NIGHTTIME.