



United States of America  
FEDERAL COMMUNICATIONS COMMISSION  
AM BROADCAST STATION LICENSE

CALL  
FILE  
ID#  
49586

Authorizing Official:

Official Mailing Address:

THE SENTINEL PUBLISHING CO.  
35 BRAINTREE HILL OFFICE PARK  
SUITE300  
BRIANTREE MA 02184

Son Nguyen  
Son Nguyen  
Supervisory Engineer  
Audio Division  
Media Bureau

Facility Id: 49586

Call Sign: WMTR

License File Number: BZ-20050311AFB

Grant Date: June 16, 2005

This license expires 3:00 a.m.  
local time, June 01, 2006.

This supersedes authorization of same date to correct 220.5 nighttime MP maximum.

Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this license, the licensee is hereby authorized to use and operate the radio transmitting apparatus herein described.

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 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. 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.

Hours of Operation: Unlimited

Average hours of sunrise and sunset:  
Local Standard Time (Non-Advanced)

Jan.	7:15 AM	5:00 PM	Jul.	4:45 AM	7:30 PM
Feb.	7:00 AM	5:30 PM	Aug.	5:00 AM	7:00 PM
Mar.	6:15 AM	6:00 PM	Sep.	5:30 AM	6:15 PM
Apr.	5:15 AM	6:30 PM	Oct.	6:15 AM	5:15 PM
May	4:45 AM	7:15 PM	Nov.	6:45 AM	4:45 PM
Jun.	4:30 AM	7:30 PM	Dec.	7:15 AM	4:30 PM

Callsign: WMTR

License No.: BZ-20050311AFB

Name of Licensee: THE SENTINEL PUBLISHING CO.

Station Location: MORRISTOWN, NJ

Frequency (kHz): 1250

Station Class: B

Antenna Coordinates:

Day

Latitude: N 40 Deg 48 Min 45 Sec

Longitude: W 74 Deg 27 Min 36 Sec

Night

Latitude: N 40 Deg 48 Min 45 Sec

Longitude: W 74 Deg 27 Min 36 Sec

Transmitter(s): Type Accepted. See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.

Nominal Power (kW): Day: 5.0 Night: 7.0

Antenna Input Power (kW): Day: 5.4 Night: 7.37

Antenna Mode: Day: DA Night: DA

(DA=Directional Antenna, ND=Non-directional Antenna; CH=Critical Hours)

Current (amperes): Day: 10.4 Night: 12.14

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1219719	
2	1219725	

Night:

Tower No.	ASRN	Overall Height (m)
1	1219719	
2	1230720	
3	1219725	
4	1230721	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 714.55 Night: 861.4  
 Standard RMS (mV/m/km): Night: 905.33  
 Augmented RMS (mV/m/km): Day: 751.54  
 Q Factor: Day: Night:

Theoretical Parameters:

Day Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	1.6000	0.000	0.0000	0.000	0	93.8
2	1.0000	130.000	70.0000	270.000	0	91.5

\* Tower Reference Switch

0 = Spacing and orientation from reference tower  
 1 = Spacing and orientation from previous tower

Augmentation Parameters:

Aug No.	Central Azimuth (Deg. T)	Span (Deg.)	Radiation at Central Azimuth (mV/m @ 1 km)
1	160.0	60.0	836.86

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	0.7170	-134.900	0.0000	0.000	0	93.8
2	0.5930	12.300	84.2000	344.000	0	91.5
3	1.0000	0.000	70.0000	270.000	0	91.5
4	0.8280	147.300	125.3000	305.600	0	91.5

\* Tower Reference Switch

0 = Spacing and orientation from reference tower  
 1 = Spacing and orientation from previous tower

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	-127	0.53
2	0	1

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	-139	0.623
2	12.5	0.65

Night Directional Operation:

Twr. Phase No. (Deg.)	Antenna Monitor Sample Current Ratio
3 0	1
4 142	0.78

Antenna Monitor: POTOMAC INSTRUMENTS AM-1901

Sampling System Approved Under Section 73.68(b) of the Rules.

Monitoring Points:

Special operating conditions or restrictions:

1 Monitor point readings shall be taken at the following locations:

270°: Point located at western edge of driveway to 57 Lake Valley Road at mailbox, 2.95 km from site, max 80.6 mV/m daytime.

315°: Point located at the property line of 19-21 Meadow Bluff Road, on right side of street at curb (facing uphill by utility boxes and small clump of trees and reeds), 3.72 km from site, max 66.0 mV/m daytime.

45°: Point located on Parsippany Road on sidewalk on opposite side of the street from the 40 MPH speed limit sign, 4.72 km from site, max 12.4 mV/m nighttime.

220.5°: Point located on storm sewer inlet on west side of driveway to 51-61 South Green II, at curb line near Mt. Kemble Avenue (Route 202), 3.2 km from site, max 25.6 mV/m nighttime.

268°: Point is located across from the township swimming pool entrance on Inamere Road, at shoulder, directly in line with yellow Park Commission boundary marker in woods, 3.59 km from site, max 6.80 mV/m nighttime.

321°: Point located on Mountain Way at the upper edge of the upper driveway to Mountain Way School and Mountain Way, 3.18 km from site, max 29.6 mV/m nighttime.

\*\*\* END OF AUTHORIZATION \*\*\*