



**United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE**

Authorizing Official:

Official Mailing Address:

SUNRISE BROADCASTING, LLC
C/O CAPITOL BROADCASTING COMPANY, INCOR
2619 WESTERN BLVD
RALEIGH NC 27606

Son Nguyen
Supervisory Engineer
Audio Division
Media Bureau

Grant Date: November 24, 2003

Facility Id: 61701

Call Sign: WMFD

This license expires 3:00 a.m.
local time, December 01, 2003.

License File Number: BL-20030724AGW

License to cover BP-20000504AAI.

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

Callsign: WMFD

License No.: BL-20030724AGW

Name of Licensee: SUNRISE BROADCASTING, LLC

Station Location: WILMINGTON, NC

Frequency (kHz): 630

Station Class: B

Antenna Coordinates:

Day

Latitude: N 34 Deg 16 Min 19 Sec

Longitude: W 77 Deg 58 Min 28 Sec

Night

Latitude: N 34 Deg 16 Min 19 Sec

Longitude: W 77 Deg 58 Min 28 Sec

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

Nominal Power (kW): Day: 0.8 Night: 1.0

Antenna Input Power (kW): Day: 0.86 Night: 1.08

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 4.16 Night: 4.65

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1214419	
2	1214421	

Night:

Tower No.	ASRN	Overall Height (m)
1	1214419	
2	1214421	
3	1214422	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 271.55 Night: 314.52

Standard RMS (mV/m/km): Day: 285.32 Night: 330.53

Augmented RMS (mV/m/km):

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	0.8000	-110.000	0.0000	0.000	0	69.1
2	1.0000	0.000	95.0000	288.300	0	69.1

* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	0.5790	-140.000	0.0000	0.000	0	69.1
2	1.0000	0.000	95.0000	288.300	0	69.1
3	0.5790	152.300	170.0000	284.800	0	69.1

* 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	-104	0.88
2	0	1

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	-149	0.6
2	0	1
3	156	0.54

Antenna Monitor: POTOMAC INSTRUMENTS AM-19 (204)

Sampling System Approved Under Section 73.68 of the Rules.

Special operating conditions or restrictions:

1 MONITOR POINT DESCRIPTIONS

246 - From the intersection of North Main Street and Old Mill Road, proceed east on Old Mill 0.16 km to point, located on south shoulder of road opposite utility pole #897-L, 4.02 km from site, max 7.1 mV/m daytime.

331- From intersection of Sutton Steam Plant road and US 421, proceed south 4.99 km to Jenkins propane tank, then west on dirt road 1.13 km to Sutton Lake levee access road, in middle of levee access road, 5.47 km from site, max 2.8 mV/m daytime.

12.5° - From the intersection of Castle Hayne Road (Hwy 117) and State Road 133 at Paul's Place proceed left on State Road 133 for 4.99km to point located at north side entrance to Olde Bailey Farm, 15.93 km from site, max 0.14 mV/m nighttime.

199° - From the Leland exit on I74-76 West, turn left at end of ramp, proceed through underpass and turn right at next road, then proceed 0.48 km to intersection with Chappell Loop Road, then turn left and proceed 0.48 km to point, 5.47 km from site, max 12.1 mV/m nighttime.

245° - From intersection of Old Mill Road and North Main street, proceed past intersection on south shoulder of road to point, 3.7 km from site, max 5.2 mV/m nighttime.

326° - From intersection of Sutton Steam Plant road and US 421, proceed south 4.99 km to Jenkins propane tank, then west on dirt road 1.61 km to Sutton Lake levee access road, in middle of levee access road, 5.47 km from site, max 5.7 mV/m nighttime.

*** END OF AUTHORIZATION ***