



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

PROGRESSIVE BROADCASTING SYSTEM, INC.
P.O. BOX 307
ELKHART IN 46515

Son Nguyen
Supervisory Engineer
Audio Division
Media Bureau

Facility Id: 53650

Call Sign: WCMR

License File Number: BL-20020305ABH

Grant Date: October 24, 2002

This license expires 3:00 a.m.
local time, August 01, 2004.

This License Covers Permit No.: BP-20011012AAG

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.	8:15 AM	5:45 PM	Jul.	5:15 AM	8:15 PM
Feb.	7:45 AM	6:15 PM	Aug.	5:45 AM	7:45 PM
Mar.	7:00 AM	6:45 PM	Sep.	6:30 AM	7:00 PM
Apr.	6:00 AM	7:30 PM	Oct.	7:00 AM	6:00 PM
May	5:30 AM	8:00 PM	Nov.	7:30 AM	5:30 PM
Jun.	5:15 AM	8:15 PM	Dec.	8:00 AM	5:15 PM

Callsign: WCMR

License No.: BL-20020305ABH

Name of Licensee: PROGRESSIVE BROADCASTING SYSTEM, INC.

Station Location: ELKHART, IN

Frequency (kHz): 1270

Station Class: B

Antenna Coordinates:

Day

Latitude: N 41 Deg 37 Min 16 Sec

Longitude: W 85 Deg 57 Min 40 Sec

Night

Latitude: N 41 Deg 37 Min 16 Sec

Longitude: W 85 Deg 57 Min 40 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: 1.0

Antenna Input Power (kW): Day: 5.4 Night: 1.08

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 10.5 Night: 4.7

Resistance (ohms): Day: 49 Night: 49

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1217760	
2	1217759	
3	1217761	

Night:

Tower No.	ASRN	Overall Height (m)
1	1217760	
2	1217759	
3	1217761	
4	1217758	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 648.57 Night: 302.56

Standard RMS (mV/m/km): Night: 318.96

Augmented RMS (mV/m/km): Day: 682.06

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	0.6000	-158.500	0.0000	0.000	0	102.2
2	1.0000	0.000	86.0000	178.000	0	102.2
3	0.4850	158.500	86.0000	178.000	1	102.2

* 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	88.0	20.0	85.05
2	98.0	20.0	101.39
3	108.0	20.0	99.78
4	118.0	20.0	99.73
5	167.0	22.0	548.98
6	178.0	18.0	573.12
7	187.0	18.0	542.88
8	237.0	17.0	65.18
9	246.0	18.0	80.47
10	264.0	18.0	67.59
11	273.0	10.0	103.00
12	346.2	23.3	1319.18

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	1.0000	0.000	0.0000	0.000	0	102.2
2	2.0600	-180.000	86.0000	178.000	0	102.2
3	1.5900	-7.900	86.0000	178.000	1	102.2

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
4	0.4900	158.000	86.0000	178.000	1	102.2

* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Day Directional Operation:

Twr. Phase No. (Deg.)	Antenna Monitor Sample Current Ratio
1 -159	0.44
2 0	1
3 153	0.625

Night Directional Operation:

Twr. Phase No. (Deg.)	Antenna Monitor Sample Current Ratio
1 171	0.48
2 0	1
3 172	0.75
4 -27	0.31

Antenna Monitor: POTOMAC INSTRUMENTS AM-19 (204)

Sampling System Approved Under Section 73.68 of the Rules.

Monitoring Points:

Day Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
88	3.65	18.05
118	5.1	20.17
178	3.01	207
228.5	4.67	22.58
255	7	13.6
273	6.74	10.6

Night Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
67.5	2.93	6.8
88	3.65	8.74
178	3.01	149
273	6.74	5.1
288	5.52	3.24

Special operating conditions or restrictions:

1 DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

No. and Type of Elements: Four (4), vertical, guyed, series excited, steel radiators of uniform cross-section.

Ground System consists of 120 equally spaced buried copper radials 92.96 meters to 204.2 meters in length plus 60 interspaced radials 18.29 meters in length about the base of each tower. Intersecting radials are shortened and bonded to transverse copper straps midway between towers.

2 DESCRIPTION OF AND FIELD INTENSITY MEASURED AT MONITORING POINTS:

Direction of 67.5 True North. Proceed north on station drive to County Rd. 26. Turn right on Rd. 26 and proceed 0.7 mile to Country Rd. 11. Turn left on Rd. 11 and proceed 0.5 mile to County Rd. 24. Turn right on Rd. 24 and proceed 0.9 mile to Minuteman Way. Turn left on School Drive about 200' to the point. The point is on the east shoulder of School Drive, marked with an arrow, opposite the southwest corner of the white fence. Distance from antenna is 1.82 miles. The field intensity measured at this point should not exceed 6.8 mV/m Night.

Special operating conditions or restrictions:

- 3 Direction of 88 True North. Proceed north on station drive to County Rd. 26. Turn right on Rd. 26 and proceed 2.3 miles to Country Rd. 113. The point is located 100' south of Rd. 26 on the west edge of Rd. 113, above the painted marker. Distance from antenna is 2.27 miles. The field intensity measured at this point should not exceed 8.74 mV/m Night and 18.05 mV/m Day.

Direction of 118 True North. Proceed north on station drive to County Rd. 26. Turn right and proceed 2.76 miles to County Rd. 15. Turn right on Rd. 15 and proceed 1.59 miles to the point. The point is located 10 feet south of the mailbox for 61566 CR15 at the mark in the center of the road. Distance from antenna is 3.17 miles. The field intensity measured at this point should not exceed 20.17 mV/m Day.

Direction of 178 True North. Proceed north on station drive to County Rd. 26. Turn left on Rd. 26 and proceed 0.2 miles to County Rd. 9. Turn left on Rd. 9 and proceed 2.0 miles to County Rd. 30. Turn left on Rd. 30 and proceed 0.24 mile. The point is located in the center of the road at the painted mark, in line with the towers. Distance from antenna is 1.87 miles. The field intensity measured at this point should not exceed 149.0 mV/m Night and 207.0 mV/m Day.

Direction of 228.5 True North. Proceed north on station drive to County Rd. 26. Turn left on Rd. 26 and proceed 0.2 miles to County Rd. 9. Turn left on Rd. 9 and proceed 2.0 miles to County Rd. 30. Turn right on Rd. 30 and proceed 1.95 mile to the point. The point is located at the painted mark on the south edge, opposite the farm drive on the north. Distance from antenna is 2.9 miles. The field intensity measured at this point should not exceed 22.58 mV/m Day

Direction of 255 True North. Proceed north on station drive to County Rd. 26. Turn left on Rd. 26 and proceed 4.2 miles to County Rd. 1. Turn left on Rd. 1 and proceed 1.0 mile to County Rd. 28. Follow Rd. 1 to the west, then left (south) of Rd. 28, 0.2 mile to the point. The point is located on the east edge of the road at the painted mark on the pavement. Distance from antenna is 4.35 miles. The field intensity measured at this point should not exceed 13.6 mV/m Day.

Direction of 273 True North. Proceed north on station drive to County Rd. 26. Turn left on Rd. 26 and proceed 4.2 miles to County Rd. 1. Turn right on Rd. 1 and proceed 0.08 mile to the point. The point is located on the west side of the road at the painted mark. Distance from antenna is 4.19 miles. The field intensity measured at this point should not exceed 5.1 mV/m Night and 10.6 mV/m Day.

Direction of 288 True North. Proceed out transmitter drive to County Rd. 26. Turn left and proceed west approximately 2.19 miles to State Rd.19. Turn right and proceed approximately 1.3 miles north to County Rd. 24. Turn left and proceed southwest, then west approximately 1.05 miles to County Rd. 3. Turn left and proceed south approximately 0.13 mile to the entrance to Jimtown High School. Turn right and proceed west to the first drive to the left (southwest). Continue through the small parking lot to the point which is located in the center of the school drive in line with the gate into the adjacent residential yard on the left (southeast). This is just beyond the intersection with the drive running immediately in front of the high school. This is point #14 on the radial and is located 3.43 miles (5.52 km) from the transmitter side. The field intensity measured at this point should not exceed 3.24 Night.

*** END OF AUTHORIZATION ***