



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION CONSTRUCTION PERMIT

Authorizing Official:

Official Mailing Address:

MIDWEST COMMUNICATIONS, INC.
904 GRAND AVE.
WAUSAU WI 54403

Son Nguyen
Supervisory Engineer
Audio Division
Media Bureau

Grant Date: May 18, 2007

Facility Id: 135847

Call Sign: KNFL

Permit File Number: BMP-20070130AER

The authority granted herein has no effect on the expiration date of the underlying construction permit.

Permit to modify BNP-20010703AAO by adding augmentations.

Subject to the provisions of the Communications Act of 1934, as amended, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this permit, the permittee is hereby authorized to construct the radio transmitting apparatus herein described. Installation and adjustment of equipment not specifically set forth herein shall be in accordance with representations contained in the permittee's application for construction permit except for such modifications as are presently permitted, without application, by the Commission's Rules.

Commission rules which became effective on February 16, 1999, have a bearing on this construction permit. See Report & Order, Streamlining of Mass Media Applications, MM Docket No. 98-43, 13 FCC RCD 23056, Para. 77-90 (November 25, 1998); 63 Fed. Reg. 70039 (December 18, 1998). Pursuant to these rules, this construction permit will be subject to automatic forfeiture unless construction is complete and an application for license to cover is filed prior to expiration. See Section 73.3598.

Equipment and program tests shall be conducted only pursuant to Sections 73.1610 and 73.1620 of the Commission's Rules.

Hours of Operation: Unlimited

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

Jan.	8:15 AM	5:00 PM	Jul.	4:45 AM	8:15 PM
Feb.	7:30 AM	5:45 PM	Aug.	5:15 AM	7:45 PM
Mar.	6:45 AM	6:30 PM	Sep.	6:00 AM	6:45 PM
Apr.	5:45 AM	7:15 PM	Oct.	6:45 AM	5:45 PM
May	4:45 AM	8:00 PM	Nov.	7:30 AM	4:45 PM
Jun.	4:30 AM	8:30 PM	Dec.	8:00 AM	4:30 PM

Name of Permittee: MIDWEST COMMUNICATIONS, INC.

Station Location: FARGO, ND

Frequency (kHz): 740

Station Class: B

Antenna Coordinates:

Day

Latitude: N 46 Deg 58 Min 29 Sec

Longitude: W 96 Deg 30 Min 12 Sec

Night

Latitude: N 46 Deg 58 Min 29 Sec

Longitude: W 96 Deg 30 Min 12 Sec

Critical

Latitude: N 46 Deg 58 Min 29 Sec

Longitude: W 96 Deg 30 Min 12 Sec

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

Nominal Power (kW): Day: 50.0 Night: 0.94 Critical: 7.5

Antenna Mode: Day: DA Night: DA Critical: DA

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

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1235896	
2	1235897	
3	1235898	
4	1235899	
5	1235900	
6	1235901	

Night:

Tower No.	ASRN	Overall Height (m)
1	1235896	
2	1235897	
3	1235898	
4	1235899	
5	1235900	
6	1235901	

Critical:

Tower No.	ASRN	Overall Height (m)
1	1235896	
2	1235897	
3	1235898	
4	1235899	
5	1235900	
6	1235901	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 2236.796 Night: 288.67 Critical: 866.307

Standard RMS (mV/m/km):

Augmented RMS (mV/m/km): Day: 2668.201 Night: 306.93 Critical: 1033.39

Q Factor: Day: Night: Critical:

Theoretical Parameters:

Day Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	0.4940	-72.300	0.0000	0.000	0	81.3
2	0.7390	169.700	119.8000	26.900	0	81.3
3	1.0000	0.000	235.7000	19.600	0	81.3
4	0.5050	-174.200	289.2000	31.500	0	81.3
5	0.6420	17.200	178.4000	43.200	0	81.3
6	0.3110	48.000	84.0000	76.300	0	81.3

* 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	247.0	40.0	4500.00
2	268.0	40.0	4800.00
3	288.0	40.0	3380.00
4	316.5	40.0	201.30

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	81.3
2	0.4800	-86.000	119.8000	26.900	0	81.3
3	1.5430	70.700	235.7000	19.600	0	81.3
4	1.5500	178.400	289.2000	31.500	0	81.3
5	0.7860	4.300	178.4000	43.200	0	81.3
6	0.9300	126.100	84.0000	76.300	0	81.3

* 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	344.0	40.0	410.00

Theoretical Parameters:

Critical Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	0.4940	-72.300	0.0000	0.000	0	81.3
2	0.7390	169.700	119.8000	26.900	0	81.3
3	1.0000	0.000	235.7000	19.600	0	81.3
4	0.5050	-174.200	289.2000	31.500	0	81.3
5	0.6420	17.200	178.4000	43.200	0	81.3
6	0.3110	48.000	84.0000	76.300	0	81.3

* 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	247.0	40.0	1742.84
2	268.0	40.0	1859.03
3	288.0	40.0	1309.07
4	316.5	40.0	77.96

Inverse Distance Field Strength:

The inverse distance field strength at a distance of one kilometer from the above antenna in the directions specified shall not exceed the following values:

Day:

Azimuth:	Radiation:
106.5	216.79 mV/m
145.5	250.27 mV/m
182	112.29 mV/m
316.5	201.3 mV/m

Night:

Azimuth:	Radiation:
40.5	20.34 mV/m
81.5	15.92 mV/m
102.5	24.08 mV/m
223	327.03 mV/m
311.5	39.48 mV/m

Special operating conditions or restrictions:

- 1 The permittee must submit a proof of performance as set forth in either Section 73.151(a) or 73.151(c) of the rules before program tests are authorized.
A proof of performance based on field strength measurements, per Section 73.151(a), shall include a complete nondirectional proof of performance, in addition to a complete proof on the (day) and (night) directional antenna system. The nondirectional and directional field strength measurements must be made under similar environmental conditions. The proof(s) of performance submitted to the Commission must contain all of the data specified in Section 73.186 of the rules.
Permittees who elect to submit a moment method proof of performance, as set forth in Section 73.151(c), must use series-fed radiators. In addition, the sampling system must be constructed as described in Section 73.151(c) (2) (i).
- 2 Permittee shall install a type accepted transmitter, or submit application (FCC Form 301) along with data prescribed in Section 73.1660(b) should non-type accepted transmitter be proposed.
- 3 Licensee shall be responsible for satisfying all reasonable complaints of blanketing interference within the 1 V/m contour as required by Section 73.88 of the Commission's rules.

Special operating conditions or restrictions:

- 4 The license application to cover this authorization may refer to and rely upon the technical data contained in the engineering report filed in Bl-20061214ACN to establish that the array is adjusted to within the pattern authorized herein.

*** END OF AUTHORIZATION ***