



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

Authorizing Official:

Official Mailing Address:

CAPITAL BROADCASTING, INC.
 20 CORPORATE WOODS BLVD
 ALBANY NY 12211

Son Nguyen
 Supervisory Engineer
 Audio Division
 Media Bureau

Grant Date: July 08, 2008

Facility Id: 40768

Call Sign: WGDJ

Permit File Number: BP-20080305ADS

This permit expires 3:00 a.m.
 local time, 36 months after the
 grant date specified above.

Permit to increase daytime power and change nighttime pattern.

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.	7:30 AM	4:45 PM	Jul.	4:30 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	6:00 PM
Apr.	5:15 AM	6:30 PM	Oct.	6:00 AM	5:15 PM
May	4:30 AM	7:15 PM	Nov.	6:45 AM	4:30 PM
Jun.	4:15 AM	7:30 PM	Dec.	7:15 AM	4:15 PM

Callsign: WGDJ

Permit No.: BP-20080305ADS

Name of Permittee: CAPITAL BROADCASTING, INC.

Station Location: RENSSELAER, NY

Frequency (kHz): 1300

Station Class: B

Antenna Coordinates:

Day

Latitude: N 42 Deg 35 Min 23 Sec

Longitude: W 73 Deg 44 Min 37 Sec

Night

Latitude: N 42 Deg 35 Min 23 Sec

Longitude: W 73 Deg 44 Min 37 Sec

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

Nominal Power (kW): Day: 10.0 Night: 8.0

Antenna Mode: Day: DA Night: DA

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

Antenna Registration Number(s):

Day:

Tower No.	ASRN	
1	None	59.4
2	None	59.4
3	None	59.4
4	None	59.4

Night:

Tower No.	ASRN	
1	None	59.4
2	None	59.4
3	None	59.4
4	None	59.4
5	None	59.4
6	None	59.4

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 984.35 Night: 935.84

Standard RMS (mV/m/km): Day: 1034.1 Night: 983.21

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	1.0000	0.000	0.0000	0.000	0	90.0
2	0.4000	-125.000	90.0000	340.000	0	90.0
3	0.5000	-87.500	175.0000	40.000	0	90.0
4	0.3000	155.000	233.4000	20.500	0	90.0

* 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	0.5500	150.800	0.0000	0.000	0	90.0
2	1.0000	0.000	90.0000	340.000	0	90.0
3	0.5650	-138.500	180.0000	340.000	0	90.0
4	0.4500	110.000	151.6000	70.900	0	90.0
5	0.7500	-39.000	175.0000	40.000	0	90.0
6	0.4550	180.300	233.4000	20.500	0	90.0

* Tower Reference Switch

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

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:	
108.3	689.5	mV/m
116.8	388.18	mV/m
246.4	730.92	mV/m
279.4	428.2	mV/m

Night:

Azimuth:	Radiation:	
72	136.09	mV/m
117.5	139.74	mV/m
211	40.92	mV/m

Special operating conditions or restrictions:

- 1 A complete nondirectional proof of performance, in addition to a complete proof on the (night) directional antenna system, shall be submitted before program tests are authorized. The nondirectional and directional field strength measurements must be made under similar environmental conditions.
- 2 A partial proof of performance on the (day) directional antenna system made in accordance with section 73.154(a) of the Rules shall be submitted before program tests are authorized.
- 3 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.
- 4 A license application (FCC Form 302) to cover this construction permit must be filed with the Commission pursuant to Section 73.3536 of the Rules before the permit expires.
- 5 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.

*** END OF AUTHORIZATION ***