

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

Authorizing Official:

Official Mailing Address:

CATHOLIC RADIO NETWORK, INC. 1400 NE 42ND TERRACE KANSAS CITY MO 64116 Son Nguyen Supervisory Engineer Audio Division

Media Bureau

Grant Date: November 06, 2008

Facility Id: 25185

Call Sign: KCRN

Permit File Number: BMP-20080613ACF

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

This permit modifies permit no.: BP-20050124AKA

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: Daytime with Secondary nighttime

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

Jan.	7:15	AM	5:00	PM	Jul.	4:45 AM	7:15	PM
Feb.	6:45	AM	5:30	PM	Aug.	5:15 AM	6:45	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	4:45	AM	7:00	PM	Nov.	6:30 AM	4:45	PM
Jun.	4:30	AM	7:15	PM	Dec.	7:00 AM	4:30	PM

FCC Form 351 August, 1997

Name of Permittee: CATHOLIC RADIO NETWORK, INC. Station Location: BLACK FOREST, CO Frequency (kHz): 1120 Station Class: D Antenna Coordinates: Day Ν 38 Deg 50 Min Latitude: 21 Sec 103 Deg 51 Min Longitude: W 28 Sec Night Latitude: Ν 38 Deg 50 Min 21 Sec Longitude: 103 Deg 51 Min 28 Sec W Transmitter(s): Type Accepted. See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules. Nominal Power (kW): Day: 17.5 Night: 0.003 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 60 2 None 60 3 None 60 Night: Tower No. ASRN None 60 1 2 None 60 3 None 60

RN			P	ermit No.:	BMP-20080613AC	F	
DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM							
Theoretical RMS (mV/m/km): Day: 1346.49 Night: 17.63							
MS (mV/m	n/km): D	ay: 1414.9	97 Night:	21.28			
Augmented RMS (mV/m/km):							
	Da	ay:	Night:				
Theoretical Parameters:							
Day Directional Antenna:							
Field Ratio	(Deg.)	(Deg.)	(Deg.)	Switch *	Height (Deg.)		
				0			
1.0000	0.000	86.8000	90.100	0	79.9		
0.7620	129.400	176.9000	86.300	0	79.9		
 * Tower Reference Switch 0 = Spacing and orientation from reference tower 1 = Spacing and orientation from previous tower Theoretical Parameters: 							
Night Directional Antenna:							
Field	Dhaging	Spaging	Oriontation	Tower Dof	Unight		
Ratio	(Deg.)	(Deg.)	(Deg.)	Switch *	(Deg.)		
0 7440	-166 100	0 0000	0 000	0	79 9		
0.7440	-100.100	0.0000	0.000	9	10.0		
1.0000	0.000	86.8000	90.100	0	79.9		
	Al RMS (mV/m RMS (mV/m RMS (mV/m cal Param ctional A Field Ratio 0.7440 1.0000 0.7620 Reference pacing a cal Param rectional Field Ratio	DN OF DIRECTIONAL A al RMS (mV/m/km): D RMS (mV/m/km): D RMS (mV/m/km): D Cal Parameters: ctional Antenna: Field Phasing Ratio (Deg.) 0.7440 -166.100 1.0000 0.000 0.7620 129.400 Reference Switch cpacing and orienta pacing and orienta cal Parameters: rectional Antenna: Field Phasing Ratio (Deg.)	<pre>DN OF DIRECTIONAL ANTENNA SYS al RMS (mV/m/km): Day: 1346.4 2MS (mV/m/km): Day: 1414.9 RMS (mV/m/km): Day: cal Parameters: ctional Antenna: Field Phasing Spacing Ratio (Deg.) (Deg.) 0.7440 -166.100 0.0000 1.0000 0.000 86.8000 0.7620 129.400 176.9000 Reference Switch Spacing and orientation from cal Parameters: rectional Antenna: Field Phasing Spacing Ratio (Deg.) (Deg.)</pre>	<pre>DN OF DIRECTIONAL ANTENNA SYSTEM al RMS (mV/m/km): Day: 1346.49 Night: RMS (mV/m/km): Day: 1414.97 Night: RMS (mV/m/km): Day: Night: cal Parameters: ctional Antenna: Field Phasing Spacing Orientation Ratio (Deg.) (Deg.) (Deg.) 0.7440 -166.100 0.0000 0.000 1.0000 0.000 86.8000 90.100 0.7620 129.400 176.9000 86.300 Reference Switch Spacing and orientation from reference to pacing and orientation from previous tow cal Parameters: rectional Antenna: Field Phasing Spacing Orientation Ratio (Deg.) (Deg.) (Deg.)</pre>	AN OF DIRECTIONAL ANTENNA SYSTEM Al RMS (mV/m/km): Day: 1346.49 Night: 17.63 AMS (mV/m/km): Day: 1414.97 Night: 21.28 RMS (mV/m/km): Day: Night: Cal Parameters: Ctional Antenna: Field Phasing Spacing Orientation Tower Ref Ratio (Deg.) (Deg.) (Deg.) Switch * 0.7440 -166.100 0.0000 0.000 0 1.0000 0.000 86.8000 90.100 0 0.7620 129.400 176.9000 86.300 0 Reference Switch Opacing and orientation from reference tower opacing and orientation from previous tower cal Parameters: rectional Antenna: Field Phasing Spacing Orientation Tower Ref Ratio (Deg.) (Deg.) Switch *	NN OF DIRECTIONAL ANTENNA SYSTEM Al RMS (mV/m/km): Day: 1346.49 Night: 17.63 RMS (mV/m/km): Day: 1414.97 Night: 21.28 RMS (mV/m/km): Day: Night: Cal Parameters: Ctional Antenna: Field Phasing Spacing Orientation Tower Ref Height Ratio (Deg.) (Deg.) (Deg.) Switch * (Deg.) 0.7440 -166.100 0.0000 0.000 0 79.9 1.0000 0.000 86.8000 90.100 0 79.9 0.7620 129.400 176.9000 86.300 0 79.9 Reference Switch pacing and orientation from reference tower ipacing and orientation from previous tower Cal Parameters: rectional Antenna: Field Phasing Spacing Orientation Tower Ref Height	

* 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:	
62.5	373.6	mV/m
99	472.2	mV/m
189.5	671.4	mV/m
345	380	mV/m

Special operating conditions or restrictions:

- 1 A complete nondirectional proof of performance, in addition to a complete proof on the day 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 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 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.
- 4 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 ***