



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

Authorizing Official:

Official Mailing Address:

LEIGHTON RADIO HOLDINGS, INC.
P.O. BOX 1458
619 WEST ST. GERMAIN ST.
ST. CLOUD MN 56301

Son Nguyen
Son Nguyen
Supervisory Engineer
Audio Division
Media Bureau

Facility Id: 21400
Call Sign: KBRF
Permit File Number: BP-20171127ACH

Grant Date: **FEB 28 2018**
This permit expires 3:00 a.m.
local time, 36 months after the
grant date specified above.

Correction of coordinates.

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.	8:00 AM	5:00 PM	Jul.	4:45 AM	8:15 PM
Feb.	7:30 AM	5:45 PM	Aug.	5:15 AM	7:30 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	7:45 PM	Nov.	7:30 AM	4:45 PM
Jun.	4:30 AM	8:15 PM	Dec.	8:00 AM	4:45 PM

Callsign: KBRF

Permit No.: BP-20171127ACH

Name of Permittee: LEIGHTON RADIO HOLDINGS, INC.

Station Location: FERGUS FALLS, MN

Frequency (kHz): 1250

Station Class: B

Antenna Coordinates:

Day

Latitude: N 46 Deg 16 Min 24 Sec

Longitude: W 96 Deg 02 Min 44 Sec

Night

Latitude: N 46 Deg 16 Min 27 Sec

Longitude: W 96 Deg 02 Min 46 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: 2.2

Antenna Mode: Day: ND Night: DA

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

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
3	1024481	

Night:

Tower No.	ASRN	Overall Height (m)
1	1024482	
2	1024483	
3	1024481	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Night: 484.41

Standard RMS (mV/m/km): Night: 508.87

Augmented RMS (mV/m/km):

Q Factor: Night:

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	151.6
2	0.9230	-39.500	120.5000	319.500	0	146.1
3	1.0080	-24.200	160.5000	149.500	0	128.9

* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Non-Directional Antenna: Day

Radiator Height: 85.9 meters; 128.9 deg

Theoretical Efficiency: 332 mV/m/kw at 1km

Special operating conditions or restrictions:

- 1 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.

Special operating conditions or restrictions:

- 2 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.

- 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.

- 4 The ground system consists of 120 equally spaced buried copper wires, 60 meters in length except where shortened and bonded to a transverse strap between towers.

*** END OF AUTHORIZATION ***