



United States of America
FEDERAL COMMUNICATIONS COMMISSION
FM BROADCAST TRANSLATOR/BOOSTER STATION
CONSTRUCTION PERMIT

Authorizing Official:

Official Mailing Address:

MINNESOTA PUBLIC RADIO
480 CEDAR ST.
SAINT PAUL MN 55101

for James D. Bradshaw
James D. Bradshaw
Deputy Chief
Audio Division
Media Bureau

Facility Id: 84601

Call Sign: K231BI

Permit File Number: BPFT-20170808AAP

Grant Date: **AUG 29 2017**

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

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.

Name of Permittee: MINNESOTA PUBLIC RADIO

Principal community to be served: MN-DULUTH

Primary Station: KZIO (FM) , Channel 282, TWO HARBORS, MN

Via: Direct - off-air

Frequency (MHz): 94.1

Channel: 231

Hours of Operation: Unlimited

Antenna Coordinates: North Latitude: 46 deg 47 min 20 sec
 West Longitude: 92 deg 07 min 04 sec

Transmitter: Type Accepted. See Sections 73.1660, 74.1250 of the Commission's Rules

Antenna type: (directional or non-directional): Non-Directional

Major lobe directions (degrees true): Not Applicable

	Horizontally Polarized Antenna:	Vertically Polarized Antenna:
Effective radiated power in the Horizontal Plane (kw):	0.25	0.25
Height of radiation center above ground (Meters):	129	129
Height of radiation center above mean sea level (Meters):	504	504

Antenna structure registration number: 1024128

Overall height of antenna structure above ground (including obstruction lighting if any) see the registration for this antenna structure.

Special operating conditions or restrictions:

- 1 The permittee/licensee in coordination with other users of the site must reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.

- 2 Prior to commencing program test operations, FM Translator or FM Booster permittee must have on file at the Commission, FCC Form 350, Application for an FM Translator or FM Booster Station License, pursuant to 47 C.F.R. Section 74.14.

- 3 BEFORE PROGRAM TESTS COMMENCE, sufficient measurements shall be made to establish that the operation authorized in this construction permit is in compliance with the spurious emissions requirements of 47 C.F.R. Sections 73.317(b) through 73.317(d). All measurements must be made with all stations simultaneously utilizing the shared antenna. These measurements shall be submitted to the Commission along with the FCC Form 350-FM application for license.

Special operating conditions or restrictions:

4 ***NOTE TO PERMITTEE***

Notwithstanding the grant of this construction permit or the expiration date specified herein, your station's license will automatically expire as a matter of law on May 16, 2018 if the station has not resumed broadcasting before that time. See Pub. Law No. 104-104, 110 Stat. 56, Section 403(1) (1996) and Order, Silent Station Authorizations, FCC 96-218 (released May 17, 1996). See also Public Notice, Expedited Processing of Applications Filed By Silent Stations, DA 96-818 (May 22, 1996). Upon resumption of broadcasting, the licensee must notify the Commission. This notice will be in addition to an application for a license to cover this permit.

*** END OF AUTHORIZATION ***