



United States of America  
**FEDERAL COMMUNICATIONS COMMISSION**  
**FM BROADCAST STATION CONSTRUCTION PERMIT**

Authorizing Official:

Official Mailing Address:

UNIVERSITY OF NORTHWESTERN-ST. PAUL  
3003 SNELLING AVE N  
SAINT PAUL MN 55113

Arthur E. Doak  
Senior Engineer  
Audio Division  
Media Bureau

Facility ID: 49768

Call Sign: KDNI

Permit File Number: BPED-20000503AAF

Grant Date: August 11, 2000

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

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.

Name of Permittee: UNIVERSITY OF NORTHWESTERN-ST. PAUL

Station Location: MN-DULUTH

Frequency (MHz): 90.5

Channel: 213

Class: C3

Hours of Operation: Unlimited

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

Transmitter output power: As required to achieve authorized ERP.

Antenna type: Non-Directional

Antenna Coordinates: North Latitude: 46 deg 47 min 21 sec  
West Longitude: 92 deg 06 min 51 sec

	Horizontally Polarized Antenna	Vertically Polarized Antenna
Effective radiated power in the Horizontal Plane (kW):	2.00	2.00
Height of radiation center above ground (Meters):	145	145
Height of radiation center above mean sea level (Meters):	524	524
Height of radiation center above average terrain (Meters):	222	222
Antenna structure registration number: 1024268		
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 construction on the tower authorized herein, the permittee shall notify AM Station KQDS, Duluth, Minnesota so that the station may commence determining operating power by the indirect method. The permittee shall be responsible for the installation and continued maintenance of detuning apparatus necessary to prevent adverse effects upon the radiation pattern of the AM station. Both prior to construction on the tower and subsequent to the installation of all appurtenance thereon, antenna impedance measurements of the AM station shall be made and sufficient field strength measurements, taken at 10 locations along each of eight equally spaced radials, shall be made to establish that the AM radiation pattern is essentially omnidirectional. Prior to or simultaneous with the filing of an application for license to cover this permit, the results of the field strength measurements and the impedance measurements shall be submitted to the Commission in an application for the AM station to return to the direct method of power determination. (Revised March 14, 1983)

\*\*\* END OF AUTHORIZATION \*\*\*