



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

Robert D. Greenberg  
Supervisory Engineer  
Audio Division  
Media Bureau

Facility ID: 49787

Call Sign: KTIS-FM

Permit File Number: BMPH-19910506JR

Grant Date:

This permit expires 3:00 a.m.  
local time, 0 months after the  
grant date specified above.

This Permit Modifies Permit No.: BPH-19870225IL

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-MINNEAPOLIS

Frequency (MHz): 98.5

Channel: 253

Class: C

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:Not Reported

Antenna Coordinates: North Latitude: 45 deg 03 min 30 sec  
West Longitude: 93 deg 07 min 27 sec

	Horizontally Polarized Antenna	Vertically Polarized Antenna
Effective radiated power in the Horizontal Plane (kW):	100	100
Height of radiation center above ground (Meters):	322	322
Height of radiation center above mean sea level (Meters):	599	599
Height of radiation center above average terrain (Meters):	321	321

Antenna structure registration number: Not Required

Overall height of antenna structure above ground: 447 Meters

Obstruction marking and lighting specifications for antenna structure:

It is to be expressly understood that the issuance of these specifications is in no way to be considered as precluding additional or modified marking or lighting as may hereafter be required under the provisions of Section 303(q) of the Communications Act of 1934, as amended.

None Required

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