



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

Authorizing Official:

Official Mailing Address:

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

James D. Bradshaw
Associate Chief
Audio Division
Media Bureau

Facility Id: 86422

Call Sign: W230AN

Permit File Number: BPFT-19970319TG

Grant Date: October 06, 1997

This permit expires 3:00 a.m.
local time, April 06, 1999.

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: UNIVERSITY OF NORTHWESTERN-ST. PAUL

Principal community to be served: WI-HAYWARD

Primary Station: WHSM-FM (FM) , Channel 266, HAYWARD, WI

Via: Direct - off-air

Frequency (MHz): 93.9

Channel: 230

Hours of Operation: Unlimited

Antenna Coordinates: North Latitude: 46 deg 00 min 52 sec
 West Longitude: 91 deg 29 min 06 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	Vertically
Polarized	Polarized
Antenna:	Antenna:

Effective radiated power in the Horizontal Plane (kw): 0.05

Height of radiation center above ground (Meters): 14

Height of radiation center above mean sea level (Meters): 378

Antenna structure registration number: Not Required

Overall height of antenna structure above ground: 15 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

Special operating conditions or restrictions:

- 1 The permittee/licensee 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.

*** END OF AUTHORIZATION ***