



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

Authorizing Official:

Official Mailing Address:

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

James D. Bradshaw
Deputy Chief
Audio Division
Media Bureau

Facility Id: 149983

Call Sign: W273BK

Permit File Number: BNPFT-20030828BCP

Grant Date: September 21, 2004

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: LEIGHTON RADIO HOLDINGS, INC.

Principal community to be served: WI-MEDFORD

Primary Station: KWNO (AM) , Frequency 1230 kHz, WINONA, MN

Via: Direct - off-air

Frequency (MHz): 102.5

Channel: 273

Hours of Operation: Unlimited

Antenna Coordinates: North Latitude: 45 deg 09 min 51 sec
 West Longitude: 90 deg 20 min 29 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):	0.013	0.013
Height of radiation center above ground (Meters):	86	86
Height of radiation center above mean sea level (Meters):	548	548

Antenna structure registration number: 1034651

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 During installation of the antenna authorized herein, AM Station(s) listed below shall determine operating power by the indirect method. Upon completion of the installation, antenna impedance measurements on the AM antenna shall be made and, prior to or simultaneous with the filing of the application for license to cover this permit, the results submitted to the Commission (along with a tower sketch of the installation) in an FCC Form 302-AM application for the AM station to return to the direct method of power determination.

(Revised January 28, 1983)

WIGM(AM), MEDFORD, WI, 1490 KHZ

- 2 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.
- 3 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.

*** END OF AUTHORIZATION ***