



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

Authorizing Official:

Official Mailing Address:

IOWA STATE UNIVERSITY OF SCIENCE AND TECHNO  
2022 COMMUNICATIONS BLDG  
AMES IA 50011

Rodolfo F. Bonacci  
Assistant Chief  
Audio Division  
Media Bureau

Facility ID: 29066

Call Sign: KNSK

Permit File Number: BPED-20070807AAR

Grant Date: August 10, 2007

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: IOWA STATE UNIVERSITY OF SCIENCE AND TECHNOLOGY

Station Location: IA-FORT DODGE

Frequency (MHz): 91.1

Channel: 216

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: Non-Directional

Antenna Coordinates: North Latitude: 42 deg 49 min 03 sec  
West Longitude: 94 deg 24 min 41 sec

	Horizontally Polarized Antenna	Vertically Polarized Antenna
Effective radiated power in the Horizontal Plane (kW):	100	100
Height of radiation center above ground (Meters):	320	320
Height of radiation center above mean sea level (Meters):	676	676
Height of radiation center above average terrain (Meters):	326	326
Antenna structure registration number:	1253947	

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 The Iowa State University of Science and Technology requests waiver of 47. C.F.R. Section 73.1125 to operate the proposed facility as "satellite" of co-owned noncommercial educational FM station WOI-FM, Ames, IA (Facility ID No.: 29118). Based upon the specific representations contained therein, the waiver request IS GRANTED. The Iowa State University of Science and Technology shall abide by each representation proffered in the waiver request.

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