



United States of America  
**FEDERAL COMMUNICATIONS COMMISSION**  
**DIGITAL LOW POWER TELEVISION/TELEVISION TRANSLATOR**  
**BROADCAST STATION CONSTRUCTION PERMIT**

Authorizing Official:

Official Mailing Address:

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MONTANA STATE UNIVERSITY  
ROOM 183, VCB  
BOZEMAN MT 59717

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Hossein Hashemzadeh  
Associate Chief  
Video Division  
Media Bureau

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Facility Id: 181923

Grant Date: December 08, 2009

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

Call Sign: K14NJ-D

Permit File Number: BNPDTT-20090825AGR

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: MONTANA STATE UNIVERSITY

Station Location: MT-HOT SPRINGS

Frequency (MHz): 470 - 476

Channel: 14

Hours of Operation: Unlimited

Transmitter: Type Accepted. See Sections 74.750 of the Commission's Rules.

Antenna type: (directional or non-directional): Directional

Description: SCA 1X2KBBU

Major lobe directions 210  
(degrees true):

Beam Tilt: Not Applicable

Antenna Coordinates: North Latitude: 47 deg 33 min 32 sec  
West Longitude: 114 deg 32 min 42 sec

Maximum Effective Radiated Power (ERP): 0.003 kW

Transmitter Output Power: 0.0005 kW

Height of radiation center above ground: 6 Meters

Height of radiation center above mean sea level: 1518 Meters

Antenna structure registration number: None

Overall height of antenna structure above ground: 6.5 Meters

Out-of-Channel Emission mask: Simple

Special operating conditions or restrictions:

- 1 During equipment tests, authorized by Section 73.1610 of the Commission's Rules, the permittee shall take adequate measures to identify and substantially eliminate objectionable interference which may be caused to existing land mobile radio facilities in the 460 to 470 MHz band. Documentation that objectionable interference will not be caused to existing land mobile radio facilities shall be submitted along with the request for Program Test Authority. Program tests shall not be commenced under Section 73.1620(a) of the Commission's Rules and may only be started after specific authority is granted by the Commission. An application for a license must be filed within 10 days after the start of program tests.
- 2 This authorization is subject to the condition that low power television is a secondary service, and that low power television and television translator stations must not cause interference to the reception of existing or future full service television stations on either allotted NTSC or DTV channels, and must accept interference from such stations.

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