



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

Official Mailing Address:

MONTANA STATE UNIVERSITY  
ROOM 172 VCB  
BOZEMAN MT 59717

Facility Id: 125475

Authorizing Official:

*Hossein Hashemzadeh*

Hossein Hashemzadeh

Associate Chief

Video Division

Media Bureau

Grant Date: MAR 26 2007

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

Call Sign: K20HB-D

Permit File Number: BDFCDTT-20061207ACB

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-BILLINGS

Frequency (MHz): 506 - 512

Channel: 20

Hours of Operation: Unlimited



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

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

Description: DIE TLP16-B

Major lobe directions                      270  
(degrees true):

Beam Tilt: 1 Degrees

Antenna Coordinates: North Latitude:        45 deg   46 min   00 sec

West Longitude:        108 deg   27 min   27 sec

Maximum Effective Radiated Power (ERP):                      14.5 kW

Transmitter Output Power:                                      1.25 kW

Height of radiation center above ground:                      45 Meters

Height of radiation center above mean sea level: 1163 Meters

Antenna structure registration number: 1001064

Overall height of antenna structure above ground (including obstruction lighting if any) see the registration for this antenna structure.

Out-of-Channel Emission mask: Simple

Special operating conditions or restrictions:

- 1 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 \*\*\*