



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

Authorizing Official:

Official Mailing Address:

CASCADE EDUCATIONAL BROADCAST SERVICE
P.O. BOX 12147
PORTLAND OR 97212

Brian J. Butler
Supervisory Engineer
Audio Division
Media Bureau

Facility ID: 66303

Grant Date: July 07, 1997

Call Sign: KXRY

This permit expires 3:00 a.m.
local time, January 07, 1999.

Permit File Number: BPED-19970307MA

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: CASCADE EDUCATIONAL BROADCAST SERVICE

Station Location: OR-PORTLAND

Frequency (MHz): 104.1

Channel: 281

Class: D

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: 45 deg 28 min 51 sec
West Longitude: 122 deg 37 min 51 sec

	Horizontally Polarized Antenna	Vertically Polarized Antenna
Effective radiated power in the Horizontal Plane (kW):	.0080	.0080
Height of radiation center above ground (Meters):	16	16
Height of radiation center above mean sea level (Meters):	55	55
Height of radiation center above average terrain (Meters):	-29	-29

Antenna structure registration number: Not Required

Overall height of antenna structure above ground: 18 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 Pursuant to 47 C.F.R. Section 73.506(a)(2), this Class D educational (secondary) station may operate with no more than 10 watts transmitter power output.
- 2 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 ***