



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

Authorizing Official:

Official Mailing Address:

THE KBOO FOUNDATION
20 SE 8TH AVENUE
PORTLAND OR 97214

Dale E. Bickel
Senior Engineer
Audio Division
Media Bureau

Facility ID: 65755

Grant Date: October 12, 1989

Call Sign: KBOO

This permit expires 3:00 a.m.
local time, April 12, 1991.

Permit File Number: BPED-19890110IA

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: THE KBOO FOUNDATION

Station Location: OR-PORTLAND

Frequency (MHz): 90.7

Channel: 214

Class: C1

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 29 min 20 sec
 West Longitude: 122 deg 41 min 40 sec

	Horizontally Polarized Antenna	Vertically Polarized Antenna
Effective radiated power in the Horizontal Plane (kW):	25.5	25.5
Maximum effective radiated power (kW):	26.5	26.5
Height of radiation center above ground (Meters):	170	170
Height of radiation center above mean sea level (Meters):	480	480
Height of radiation center above average terrain (Meters):	386	386

Antenna structure registration number: Not Required

Overall height of antenna structure above ground: 184 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 Prior to construction of the tower authorized herein, permittee shall notify AM Station(s) listed below so that the station(s) may commence determining operating power by the indirect method. Permittee shall be responsible for the installation and continued maintenance of detuning apparatus necessary to prevent adverse effects upon the radiation pattern of the AM station(s). Both prior to construction of the tower and subsequent to the installation of all appurtenance thereon, antenna impedance measurements of the AM station(s) shall be made and sufficient field strength measurements, taken at 10 locations along each of eight equally spaces radials, shall be made to establish that the AM radiation pattern is essentially omnidirectional. Prior to or simultaneous with the filing of application for license to cover this permit, the results of the field strength measurements and the impedance measurements shall be submitted to the Commission in an application for the AM station(s) to return to the direct method of power determination.
 (Revised March 14, 1983)
 KBNP (AM)

Special operating conditions or restrictions:

- 2 PERMITTEE SHALL SUBMIT A COPY OF THE VERTICAL PLANE RADIATION PATTERN FOR THE -1.0 DEGREE BEAM TILT ANTENNA WITH THE FCC FORM 302 APPLICATION FOR LICENSE.

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BEFORE PROGRAM TESTS COMMENCE, SUFFICIENT MEASUREMENTS SHALL BE MADE TO ESTABLISH THAT THE OPERATION AUTHORIZED IN THIS CONSTRUCTION PERMIT IS IN COMPLIANCE WITH THE SPURIOUS EMISSIONS REQUIREMENT OF 47 C.F.R. SECTIONS 73.317(b) THROUGH 73.317(d). ALL MEASUREMENTS MUST BE MADE WITH STATIONS KGON, KKSX, KBOO, KPDQ AND ANY OTHER AUTHORIZED STATION SIMULTANEOUSLY UTILIZING THE SHARED ANTENNA. THESE MEASUREMENTS SHALL BE SUBMITTED TO THE COMMISSION ALONG WITH THE FCC FORM 302 APPLICATION FOR LICENSE.

*** END OF AUTHORIZATION ***