



United States of America

FEDERAL COMMUNICATIONS COMMISSION
FM BROADCAST STATION CONSTRUCTION PERMIT
AUXILIARY ANTENNA

Official Mailing Address:

SEASCAPE RADIO, INC.
NEWPORT TOWER 3650
131ST AVE., SE, STE. 550
BELLEVUE, WA 98006-1334

Authorizing Official:

Dale E. Bickel

Dale E. Bickel
Senior Engineer
Audio Services Division
Mass Media Bureau

Grant Date: **MAY 19 1999**

Facility ID: 53870
Call Sign: KRWM

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

Permit File No.: BPH-990415IB

** This construction permit is for an AUXILIARY facility of
KRWM. **

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.

New Commission rules which become 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 new 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:

SEASCAPE RADIO, INC.

Station Location:

WA-BREMERTON

Frequency (MHz): 106.9

Channel: 295

Class: C1

Hours of Operation: Unlimited -- For auxiliary purposes only

Transmitter location (address or description):
6501 173rd Avenue SE, atop Cougar Mountain, near Issaquah

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: (directional or non-directional): Directional

Antenna Coordinates: North Latitude : 47 32 41
West Longitude : 122 6 28

	Horizontally Polarized Antenna	Vertically Polarized Antenna
Effective radiated power in the Horizontal Plane (kW).....:	44	44
Height of radiation center above ground (Meters).....:	58	58
Height of radiation center above mean sea level (Meters).....:	498	498
Height of radiation center above average terrain (Meters).....:	372	372

Antenna structure registration number: 1032902

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. BEFORE PROGRAM TESTS ARE AUTHORIZED, permittee shall submit the results of a complete proof-of-performance to establish the horizontal plane radiation patterns for both the horizontally and vertically polarized radiation components. This proof-of-performance may be accomplished using the complete full size antenna, or individual bays therefrom, mounted on a supporting structure of identical dimensions and configuration as the proposed structure, including all braces, ladders, conduits, coaxial lines, and other appurtenances; or using a carefully manufactured scale model of the entire antenna, or individual bays therefrom, mounted on an equally scaled model of the proposed supporting structure, including all appurtenances. Engineering exhibits should include a description of the antenna testing facilities and equipment employed, including appropriate photographs or sketches and a description of the testing procedures, including scale factor, measurements frequency, and equipment calibration.
3. BEFORE PROGRAM TESTS ARE AUTHORIZED, permittee shall submit an affidavit from a licensed surveyor to establish that the directional antenna has been oriented at the proper azimuth.
4. BEFORE PROGRAM TESTS ARE AUTHORIZED, permittee/licensee shall submit an affidavit that the installation of the directional antenna system was overseen by a qualified engineer. This affidavit shall include a certification by the engineer that the antenna was installed pursuant to the manufacturer's instructions and list the qualifications of the certifying engineer.
5. The relative field strength of neither the measured horizontally nor vertically polarized radiation component shall exceed at any azimuth the value indicated on the composite radiation pattern authorized by this construction permit.

A relative field strength of 1.0 on the composite radiation pattern herein authorized corresponds to the following effective radiated power:

44.0 kilowatts.

Principal minima and their associated field strength limits:

22.1 kW at 10 degrees True
35.1 kW at 20 degrees True
30.5 kW at 30 degrees True
5.45 kw at 70 degrees True
5.45 kW at 80 degrees True
21.7 kW at 110 degrees True

6. In the license application to cover this construction permit, the permittee must certify that an agreement exists between the users of the Cougar Mountain site to reduce power, cease operation, or take other measures as necessary to protect workers authorized access to the site from radiofrequency exposure levels in excess of FCC guidelines specified in 47 CFR 1.1310.

In addition, once tower construction and antenna placement for affected stations has been resolved, the permittee in conjunction with other users at the site shall make RF measurements to identify any areas which exceed the FCC radiofrequency exposure levels for public and occupational exposure. If necessary, a fence or fences must be erected at such distances and in such a manner as to prevent the exposure of humans to RF fields in excess of the FCC guidelines (OET Bulletin No. 65, Edition 97-01, August, 1997). Any fence must be of a type which will prevent casual or inadvertent access. Visual warning signs must be posted near all locations which are found to exceed the recommended guidelines.

These measurements may be submitted as an attachment to the Form 302-FM application for license to cover this construction permit, or alternatively may be later submitted as an amendment to the license application. The license application will not be granted until the amendment has been received, reviewed, and found acceptable.

*** END OF AUTHORIZATION ***