

# Federal Communications Commission

## FM BROADCAST STATION CONSTRUCTION PERMIT

**Permittee**

Coos Commons Protection  
Council  
340 N Collier Street  
Coquille, OR, 97423

**Call Sign****Facility ID**

766729

<b>File Number</b> 0000167441			
<b>Filing Date</b> 11/09/2021	<b>Grant Date</b> 02/24/2023	<b>Expiration Date</b> 36 months after the grant date	
<b>Community of License</b> <b>City:</b> BANDON <b>State:</b> OR	<b>Frequency (MHz)</b> 88.1	<b>Station Channel</b> 201	<b>Station Class</b> C3
<b>Hours of Operation:</b> Unlimited			
<b>Facility Type:</b> Noncommercial Educational			
<b>Transmitter</b> Certified for Compliance. See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.		<b>Transmitter Output Power</b> As required to achieve authorized ERP.	
<b>Antenna Type</b> Directional		<b>Antenna Coordinates (NAD 83)</b> <b>Latitude</b> 42-57-31.0 N <b>Longitude</b> 124-16-27.0 W	
<b>Major Lobe Directions</b> Not Applicable			
	<b>Horizontally Polarized Antenna</b>	<b>Vertically Polarized Antenna</b>	
<b>Effective Radiated Power in the Horizontal Plane (kW)</b>	0.47	0.47	

<b>Height of Radiation Center Above Ground (meters)</b>	11	11
<b>Height of Radiation Center Above Mean Sea Level (meters)</b>	670	670
<b>Height of Radiation Center Above Average Terrain (meters)</b>	424	424

<b>Antenna Structure Registration Number</b> 1057339	<b>Overall Height of Antenna Structure Above Ground (meters)</b> See the registration for this antenna structure.
---	--

<b>Obstruction Marking and Lighting Specifications for Antenna Structure</b>  See the registration for this antenna structure.
--

<p><b>Special Operating Conditions or Restrictions</b></p> <p>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.</p> <ul style="list-style-type: none"> <li>Pursuant to 47 CFR Sections 73.7005(a) and 73.7005(c), the permittee/licensee must maintain its comparative qualifications and comply with the restrictions on assignments/transfers. From the grant of the construction permit until the station has achieved at least four years of on-air operations, the permittee /licensee must maintain the comparative characteristics for which it received points and comply with the restrictions on station modifications and acquisitions. If the permittee/licensee proposes to assign/transfer the construction permit/license to another party during the period from grant of the construction period until the station has achieved at least four years of on-air operations, it must demonstrate the following two factors: (1) that the proposed buyer would qualify for the same number of or greater points as the assignor or transferor originally received, and (2) that consideration received and/or promised does not exceed the assignor's or transferor's legitimate and prudent expenses.</li> <li>THE AUTOMATIC PROGRAM TEST PROVISIONS OF 47 C.F.R. § 73.1620 DO NOT APPLY IN THIS CASE. A FORMAL REQUEST FOR PROGRAM TEST AUTHORITY MUST BE FILED WITH THE FCC APPLICATION FOR LICENSE BEFORE PROGRAM TESTS WILL BE AUTHORIZED. This request must contain documentation which demonstrates compliance with the following special operating condition:</li> <li>The permittee/licensee must, upon completion of construction and during the equipment test period, make proper radiofrequency electromagnetic (RF) field strength measurements throughout the transmitter site area to determine if there are any areas that exceed the FCC guidelines for human exposure to RF fields. If necessary, a fence 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). The fence must be a type which will preclude casual or inadvertent access and must include warning signs at appropriate intervals which describe the nature of the hazard. Any areas within the fence found to exceed the recommended guidelines must be clearly marked with appropriate visual warning signs.</li> </ul>
--

- BEFORE PROGRAM TESTS ARE AUTHORIZED, the permittee must 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 must 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.
- BEFORE PROGRAM TESTS ARE AUTHORIZED, the permittee must submit a certification executed by a licensed surveyor showing that the FM directional antenna system has been oriented at the azimuth(s) specified in the directional antenna proof of performance. This certification must include a description of the method used by the surveyor to determine the azimuth(s) of the installed directional antenna system and the accuracy of that determination.
- BEFORE PROGRAM TESTS ARE AUTHORIZED, the permittee must submit an affidavit that the installation of the directional antenna system was overseen by a qualified engineer. This affidavit must 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.
- BEFORE PROGRAM TESTS ARE AUTHORIZED, the permittee must submit an exhibit demonstrating that the measured directional antenna pattern complies with the appropriate community coverage requirements of 47 C.F.R. Sections 73.315 or 73.515 (See 47 C.F.R. § 73.316(c)(2)(ix)(B)).
- The RMS of the composite measured relative field horizontal plane directional antenna pattern must encompass at least 85% of the RMS of the composite relative field horizontal plane directional antenna pattern authorized by this construction permit.
- 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: 0.47 kilowatt. Principal minima and their associated field strength limits: 60 to 70 degrees True (clockwise): 0.018 kilowatt (18 watts).

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(See Section 83.875).

Pursuant to Section 73.3598, this Construction Permit will be subject to automatic forfeiture unless construction is complete and application for license is filed prior to expiration.

Equipment and program tests shall be conducted only pursuant to Sections 73.1610 and 73.1620 of the Commission's Rules.

