



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

Authorizing Official:

Official Mailing Address:

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RADIO FREE MOSCOW, INC.  
114 E. 3RD STREET  
MOSCOW ID 83843

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Arthur E. Doak  
Senior Engineer  
Audio Division  
Media Bureau

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Facility ID: 172586

Grant Date: November 01, 2011

Call Sign: KRFP

The authority granted herein has no effect on the expiration date of the underlying construction permit.

Permit File Number: BNPED-20110621ACO

This permit modifies Permit No.: BNPED-20071018BDS

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: RADIO FREE MOSCOW, INC.

Station Location: ID-MOSCOW

Frequency (MHz): 90.3

Channel: 212

Class: C3

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: Directional

Antenna Coordinates: North Latitude: 46 deg 40 min 54 sec  
 West Longitude: 116 deg 58 min 13 sec

	Horizontally Polarized Antenna	Vertically Polarized Antenna
Effective radiated power in the Horizontal Plane (kW):	1.10	1.10
Height of radiation center above ground (Meters):	49	49
Height of radiation center above mean sea level (Meters):	1146	1146
Height of radiation center above average terrain (Meters):	302	302

Antenna structure registration number: 1041926

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 the FCC guidelines.
  
- 2 The permittee has specified use of a Shively 6800 Series (Type 6) antenna to demonstrate compliance with the FCC radiofrequency electromagnetic field exposure guidelines. If any other type of antenna is to be used with the facilities authorized herein, THE AUTOMATIC PROGRAM TEST PROVISIONS OF 47 C.F.R. SECTION 73.1620 WILL NOT APPLY. In this case, a FORMAL REQUEST FOR PROGRAM TEST AUTHORITY must be filed with the FCC Form 302-FM, application for license, BEFORE program tests will be authorized. This request must include a revised RF field showing to demonstrate continued compliance with the FCC guidelines.

## Special operating conditions or restrictions:

- 3 BEFORE PROGRAM TESTS ARE AUTHORIZED, the permittee/licensee 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.
- 4 BEFORE PROGRAM TESTS ARE AUTHORIZED, the permittee/licensee must submit an affidavit from a licensed surveyor to establish that the directional antenna has been oriented at the proper azimuth.
- 5 BEFORE PROGRAM TESTS ARE AUTHORIZED, the permittee/licensee 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.
- 6 BEFORE PROGRAM TESTS ARE AUTHORIZED, the permittee/licensee 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)).
- 7 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.
- 8 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:

1.1 kilowatts

Principal minimum and its associated field strength limit:

200 degrees True: 0.036 kilowatt

## Special operating conditions or restrictions:

- 9 Pursuant to 47 C.F.R. § 73.7005(a), the permittee/licensee shall be subject to a holding period. From the grant of the construction permit and continuing until the facility has achieved four years of on-air operations, the permittee/licensee proposing to assign or transfer the construction permit/license to another party will be required to demonstrate the following two factors: that the proposed buyer would qualify for at least the same number of points as the assignor or transferor originally received; and that consideration received and/or promised does not exceed the assignor's or transferor's legitimate and prudent expenses as defined therein.
- 10 PROGRAM TESTS FOR THE NEW FACILITY SERVING MOSCOW, IDAHO (FACILITY ID No. 172586) WILL NOT COMMENCE ON CHANNEL 212 WITH THE FACILITIES SPECIFIED HEREIN UNTIL PROGRAM TESTS FOR KNWV (FACILITY ID No. 71042) COMMENCE ON CHANNEL 213A WITH THE FACILITIES SPECIFIED IN BPED-20100910ADU AND A LICENSE WILL NOT BE GRANTED FOR THE NEW FACILITY SERVING MOSCOW, IDAHO ON CHANNEL 212 WITH THE FACILITIES SPECIFIED HEREIN UNTIL A LICENSE IS GRANTED FOR KNWV ON CHANNEL 213A WITH THE FACILITIES SPECIFIED IN BPED-20100910ADU.
- 11 Prior to commencing program tests pursuant to this noncommercial educational FM (NCE) construction permit, the permittee must cease operation of, and divest itself of all interest in low power FM Station KRFP-LP, Moscow, Idaho (Facility ID No. 132196). A certification, including the date that the assignment was consummated, must be included as an attachment to the FCC Form 302-FM, application for license, to cover this construction permit.
- 12 Further modifications of FM Station KZUU(FM), Pullman, Washington (Facility ID No. 71036) will not be construed as a "per se" modification of the authorized facility. (See Educational Information Corporation, 6 FCC Rcd 2207 (1991)).
- 13 Further modifications of the New FM station to serve Pullman, Washington (Facility ID No. 171613) will not be construed as a "per se" modification of the authorized facility. (See Educational Information Corporation, 6 FCC Rcd 2207 (1991)).

\*\*\* END OF AUTHORIZATION \*\*\*