

UNITED STATES OF AMERICA  
FEDERAL COMMUNICATIONS COMMISSION  
NON-COMMERCIAL EDUCATIONAL

File No. BMLD-831028

Call Sign KPBX-FM

Modification No. \_\_\_

MODIFICATION OF LICENSE

FM

(Class of station)

Fac ID 61942

SPOKANE PUBLIC RADIO  
RADIO STATION KPBX-FM  
NORTH 2319 MONROE STREET  
SPOKANE, WASHINGTON 99205

Licensee: Spokane Public Radio

Station location: Spokane, Washington

Associated Broadcast Station:

The Authority Contained in Authorization File No. -- dated --  
granted to the Licensee listed above is hereby modified in part as follows:

ERP: 56 kw (H&V)

HAAT: 2380 feet (725 meters) (H&V)

TPO: 17.0 kw

TRANSMITTER TYPE ACCEPTED

ANTENNA: CONTINENTAL G5CPS antenna, six sections, circularly polarized, mounted at the  
57 foot (17 meters) level (C/R-AGL) on a self-supporting wooden pole.

OVERALL HEIGHT ABOVE GROUND: 82 feet (25 meters) (without obstruction lighting)

This modification of license shall be attached to and be made a part of the license of this station.

Except as herein expressly modified, the above-mentioned license, subject to all modifications heretofore  
granted by the Commission, is to continue in full force and effect in accordance with the terms and conditions  
thereof and for the period therein specified.

Dated: May 31, 1984  
dac

FEDERAL  
COMMUNICATIONS  
COMMISSION



Approved by GAO  
B-180227(R0181)

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UNITED STATES OF AMERICA  
Federal Communications Commission

File No. **BWLED-831028AB**

Section I

APPLICANT NAME

Spokane Public Radio

APPLICATION FOR A NEW NONCOMMERCIAL EDUCATIONAL  
BROADCAST STATION LICENSE

ADDRESS

North 2319 Monroe Street

INSTRUCTIONS

OCT 28 1983

- A. This form is to be used in all cases when applying for a Noncommercial Educational AM, FM or TV Broadcast Station License. This form consists of this part, Section I, and the following sections: Section II-A, License Application Engineering Data AM Broadcast; Section II-B, License Application Engineering Data FM Broadcast; Section II-C, License Application Engineering Data Television Broadcast.
- B. PREPARE THREE COPIES of this form and all exhibits. Sign one copy. File with the Federal Communications Commission, Washington, D. C. 20554.
- C. Number exhibits serially in the space provided in the body of the form and list each exhibit in the space provided on page 2 of this Section. Date each exhibit and each antenna pattern.
- D. The name of the applicant must be stated exactly as it appears on the construction permit which is being covered. The applicant must notify the Commission of any change of address.
- E. Information called for by this application which is already on file with the Commission need not be refilled in this application provided (1) the information is now on file in another application or FCC form filed by or on behalf of this applicant; (2) the information is identified fully by reference to the file number (if any), the FCC form number and the filing date of the application or other form containing the information and the page or paragraph referred to, and (3) after making the reference, the applicant states: "No change since date of filing." Any such reference will be considered to incorporate into this application the application or other form referred to in its entirety. The incorporated application or other form will thereafter, in its entirety, be open to the public.
- F. This application shall be personally signed by the applicant, if the applicant is an individual; by one of the partners, if the applicant is a partnership; by an officer, if the applicant is a corporation; by a member who is an officer, if the applicant is an unincorporated association; by such duly elected or appointed officials as may be competent to do so under the laws of the applicable jurisdiction, if the applicant is an eligible government entity; or by the applicant's attorney in case of the applicant physical disability or of his absence from the United States. The attorney shall, in the event he signs for the applicant, separately set for the reason why the application is not signed by the applicant. In addition, if any matter is stated on the basis of the attorney's belief only (rather than his knowledge), he shall separately set forth his reasons for believing that such statements are true.
- G. BE SURE ALL NECESSARY INFORMATION IS FURNISHED AND ALL PARAGRAPHS ARE FULLY ANSWERED. IF ANY PORTIONS OF THE APPLICATION ARE NOT APPLICABLE, SPECIFICALLY SO STATE. DEFECTIVE OR INCOMPLETE APPLICATIONS MAY BE RETURNED WITHOUT CONSIDERATION.
- H. See back of last page for Privacy Act Notice.

CITY

Spokane

STATE

WA

ZIP

99205

2. CONSTRUCTION PERMIT COVERED BY THIS APPLICATION

FILE NO.

N/A

DATE

CONSTRUCTION BEGUN

CONSTRUCTION COMPLETED

3. Has applicant any contract, arrangement, or understanding, expressed or implied, with a commercial or noncommercial organization for the broadcasting of network programs?

YES  NO

If "Yes," state as EXHIBIT 1 arrangements under which they are to be obtained and attach copies of any contractual arrangement which may have been made. If the arrangement is based on oral understanding, a written statement of the arrangement should be submitted.

NOTE: The Public Broadcasting Service, National Public Radio and Eastern Educational Network are examples of noncommercial networks.

4. Is a request for authority to conduct program tests a part of this application?

YES  NO

If "No," explain

This application refers only to a change of antenna for an existing station.

FINANCIAL DATA

1. Facilities authorized by construction permit license

|   |   |           |
|---|---|-----------|
| Frequency   | Channel No.   | Call Sign |
| 91.1 MHz  | 216   | KPBX-FM   |
| Effected radiated power kilowatts, or power for standard broadcast stations | Antenna height above average terrain in feet (FM and TV only) |           |
| 56 kw   | 2382 ft.  |           |
| Location of main studio   |   |           |
| State   | City  |           |
| Washington  | Spokane   |           |
| Location of transmitter   |   |           |
| State   | County  | City      |
| Washington  | Spokane   | (none)    |
| Number and street (or other indication of location)                         |   |           |
| Antenna farm on Mica Peak near Freeman, Washington; no street address.      |   |           |

5. Give actual costs of making installation for which construction was authorized

|                                    |  |
|------------------------------------|--|
| Transmitter proper including tubes | Antenna system including tower, coupling equipment, and transmission line      |
| \$                                 | \$   |
| Frequency and modulation monitors  | Studio technical equipment, microphone, transcription equipment, cameras, etc. |
| \$                                 | \$   |
| Acquiring land                     | Acquiring, constructing or modifying buildings                                 |
| \$                                 | \$   |
| Other items (state nature)         | Total  |
| \$                                 | \$   |

6. (a) Have there been any substantial changes in the financial data submitted with the application for the construction permit?

N/A  YES  NO

(b) If answer to Question 6a is yes, submit as Exhibit No.          a statement outlining such changes.

7. Is applicant's ownership report (FCC Form 323E) on file with the Commission?

YES  NO

If "No," explain

## Section II-B

| LICENSE APPLICATION ENGINEERING DATA<br>FM BROADCAST  |  | Name of Applicant<br><b>Spokane Public Radio</b>   |   |
|---|--|--|---|
| 1. Facilities authorized in construction permit <b>N/A *</b>  |  | 9. Transmission line   |   |
| Call Sign   | File No. of construction   | Make   | Type No.                                    |
| Frequency   | Effective radiated power in kilowatts <b>56</b>                                    | <b>Cablewave</b>   | <b>HCC-300-50-J</b>                         |
|   | Antenna height above average terrain <b>2380'</b>                                  | Description  | <b>Air dielectric</b>                       |
| 2. Station location   |  | Size: (nominal inside transverse dimension) in inches  | Length in feet                              |
| State   | City or town   | <b>3"</b>  | <b>50 feet</b>                              |
| <b>Washington</b>   | <b>Spokane</b>   | Radiated efficiency in percent for this length   | <b>98.583%</b>                              |
| 3. Transmitter location   |  | 10. Modulation monitor <b>N/A</b>  |   |
| State   | County   | Make   | Type No.                                    |
| <b>Washington</b>   | <b>Spokane</b>   |  |   |
| City or town  | Street Address (or other identification)   | 11. Frequency measurements   |   |
| <b>(none)</b>   | <b>Mica Peak near Freeman, Washington</b>  | Give the following data on the checks of the frequency   |   |
| 4. Main studio location   |  | Date and Time  | Frequency measured by such agency or method |
| State   | County   |  |   |
| <b>Washington</b>   | <b>Spokane</b>   | 1.   |   |
| City or town  | Street address   | 2.   |   |
| <b>Spokane</b>  | <b>N. 2319 Monroe 99205</b>  | 3.   |   |
| 5. Are you using remote control?  |  | Name of checking agency or method used   |   |
| <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO   |  |  |   |
| If Yes, specify location.   |  |  |   |
| <input type="checkbox"/> Transmitter <input checked="" type="checkbox"/> Main studio <input type="checkbox"/> Other |  |  |   |
| If other, give address:   |  |  |   |
| State   | County   | 12. In what respect, if any, does the apparatus constructed differ from that described in the application for construction permit or in the permit?  |   |
| <b>Washington</b>   | <b>Spokane</b>   | <b>This application refers to a change of antenna, as follows:</b>   |   |
| City or Town  | Street Address (or other identification)   | <b>Previous Antenna: Cetec-Jampro</b>  |   |
| <b>Spokane</b>  | <b>N. 2319 Monroe St.</b>  | <b>FM HCP-5 five sections</b>  |   |
| 6. Transmitter installed  |  | <b>New Antenna: Continental Electronics</b>  |   |
| Make  | Type No.   | <b>G5CPS Series six section antenna.</b>   |   |
| <b>McMartin</b>   | <b>BF-25K</b>  |  |   |
| 7. Operating constants  |  |  |   |
| D.C. current in last radio stage in amperes <b>3.54 amps</b>  | Applied D.C. voltage of last radio stage, in volts <b>6800 volts</b>               |  |   |
| Input power to last radio stage, in kilowatts <b>24.072 kw</b>  | Efficiency factor F of transmitter at operating power, in percent <b>F= 71.49%</b> |  |   |
| Transmitter power output in kw by indirect method <b>17.209 kw</b>  | RF transmission line meter reading <b>17,200-w</b>                                 |  |   |
| 8. Antenna (New antenna)  |  | I certify that I represent the applicant in the capacity indicated below and that I have examined the foregoing statement of technical information and that it is true to the best of my knowledge and belief. |   |
| Antenna make and type No.   | Number of sections   | Power gain   |   |
| <b>Continental G5CPS</b>  | <b>6</b>   | <b>3.3</b>   |   |
| Height of antenna radiation center above ground <b>57 feet</b>  |  |  |   |
| Geographical coordinates of antenna (to nearest second)   |  |  |   |
| North latitude <b>47° 34' 14"</b>   |  | West Longitude <b>117° 05' 00"</b>   |   |
| Description of antenna supporting structure <b>82 foot self-supporting wooden pole</b>                              |  |  |   |
| Overall height above ground of antenna supporting structure (without obstruction lighting) <b>82 Feet</b>           |  |  |   |
| Signature <u>Lee M. Reag</u>  |  | (check appropriate box below)  |   |
| <input type="checkbox"/> Technical Director   |  | <input type="checkbox"/> Consultant  |   |
| <input type="checkbox"/> Registered Professional Engineer   |  | <input checked="" type="checkbox"/> Chief Operator   |   |
| Date <u>10-26-83</u>  |  |  |   |
| Telephone No. <u>(509) 328-5729</u>   |  | (include Area Code)  |   |

\*This is an application for license modification filed pursuant to Section 73.1690(c) of the Commission's Rules.