

TRIPPLICATE

FCC Form 302
March 1977

Approved By GAO
B-180227 (RO 176)

File No. **BLH-83117BF** (For Commission Use Only)

Section I

United States of America
Federal Communications Commission

APPLICATION FOR NEW BROADCAST STATION LICENSE

Name and post office address of applicant (Include ZIP Code)
(See Instruction D)

Professional Broadcasting, Incorporated
Suite 300, 121 Wyck Street
Richmond, Virginia 23225

RECEIVED

NOV 17 1983

REC'D MASS MEDIA
NOV 18 1983
FCC
Office of the Secretary
COMMUNICATIONS
DIVISION

INSTRUCTIONS

A. This form is to be used in all cases when applying for a Broadcast Station License. It consists of this part, Section I, and the following sections:

Section II - A, License Application Engineering Data Standard Broadcast

Section II - B, License Application Engineering Data FM Broadcast

Section II - C, License Application Engineering Data Television Broadcast

B. Prepare and file three copies of this form and all exhibits with 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.
E. Information called for by this application which is already on file with the Commission need not be refiled 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 all information, confidential or otherwise, contained in the application or other form referred to. 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's physical disability or of his absence from the United States. The attorney shall, in the event he signs for the applicant, separately set forth 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.

Notices and communications with respect to this application are to be addressed to the following - named persons at the address indicated (Include ZIP Code)

Wanda Bottiger; above
*

1. Facilities authorized by construction permit

Frequency	Channel No.	Power in kilowatts	
		Night	Day
103.7 MHz	279	20	ERP
Hours of operation		Call letters	
Unlimited		WEZS	

2. Construction permit covered by this application

File number BPH-820716AP	Date 2/28/83
Construction begun 1983	Construction completed 1983

Is the station now in satisfactory operating condition and ready for regular operation? Yes No
If not, explain

* Arthur C. Kellar, EZ Communications, Inc.
10380 Democracy Lane, Fairfax, VA 22030, and
Koteen & Naftalin, 1150 Connecticut Avenue,
N.W., Washington, D.C. 20036

PROGRAM DATA

3. Has applicant any contract, arrangement, or understanding, expressed or implied, with a network or organization for the broadcasting of network programs? Yes No No Change

Does applicant, in the event this application is granted, propose to broadcast network programs? If network programs are to be broadcast, state as Exhibit No. 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 an oral understanding, a written statement of the arrangement should be submitted.

FINANCIAL DATA

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

Transmitter proper including tubes	Antenna system, including antenna-ground system, coupling equipment, transmission line	Frequency and modulation monitors	Studio technical equipment, microphones, transcription equipment, etc.
\$	\$	\$	\$
Acquiring land	Acquiring or constructing buildings	Other items, state nature	Total
\$	\$	\$	\$

All previous edition of this form are canceled.

FINANCIAL DATA (Continued)

5. (a) Attach a detailed balance sheet, as at the completion date of the authorized construction, showing applicant's financial position as Exhibit No. (b) If the actual cost of construction materially exceeds the original estimated cost of construction, attach as Exhibit No. a detailed statement showing the plan used to finance such construction. (If applicant is licensee of a broadcast station having on file with the Commission an Annual Financial Report (FCC Form 324) showing its financial position within the past 12 months and the request in this application is for a change in existing facilities, these exhibits need not be supplied provided that no substantial reduction in financial position has occurred.)

6. State changes, if any, in capitalization, and report any contracts affecting ownership not shown in the application for construction permit. (If none, so state)

7. Apart from the apparatus constructed, have all the terms, conditions, and obligations set forth in the above-described application for construction permit been fully met? If "No", state exceptions. Yes No

8. Is a request for authority to conduct program tests a part of this application? Yes No

THE APPLICANT hereby waives any claim to the use of any particular frequency or of the ether as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934).

THE APPLICANT represents that this application is not filed for the purpose of impeding, obstructing, or delaying determination on any other application with which it may be in conflict.

THE APPLICANT acknowledges that all the statements made in this application and attached exhibits are considered material representations, and that all the exhibits are a material part hereof and are incorporated herein as if set out in full in the application.

CERTIFICATION

I certify that the statements in this application are true, complete, and correct to the best of my knowledge and belief, and are made in good faith.

Signed and dated this 17th day of November, 1983

WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND IMPRISONMENT. U. S. CODE, TITLE 18, SECTION 1001.

Professional Broadcasting, Inc.

(NAME OF APPLICANT)

By [Signature]

(SIGNATURE)

Title President

EXHIBITS furnished as required by this form:

Exhibit No.	Section and Para. No. of Form	Name of officer or employee (1) by whom or (2) under whose direction exhibit was prepared (show which)	Official title
Eng.	All	Herman E. Hurst, Jr. (1 & 2)	Consulting Engineer

LICENSE APPLICATION ENGINEERING DATA
FM BROADCAST

Name of Applicant Professional
Broadcasting, Inc.

1. Facilities authorized in construction permit

Call Sign: WEZS
File No. of construction permit: BPH-820716AP
Frequency: 103.7 MHz
Effective radiated power in kilowatts: 20
Antenna height above average terrain: 840'

9. Transmission line

Make: MYAT
Type No.: 301-001
Description: Rigid Copper Coaxial
Size: (nominal inside transverse dimension) in inches: 3 1/8"
Length in feet: 750'
Rated efficiency in percent for this length: 84.55

2. Station location

State: Virginia
City or town: Richmond

10. Modulation monitor

Make: QEI
Type No.: 691

3. Transmitter location

State: Virginia
County: Chesterfield
City or town: Bon Air, VA
Street Address (or other identification): 1147 Old Bon Air Road

11. Frequency measurements

Give the following data on the checks of the frequency

Date and Time	Frequency measured by such agency or method
1. 9/28/83 - 10:00 AM	103.700.00
2. 10/15/83 - 3:00 PM	103.700.00
3. 11/1/83 - 4:00 PM	103.700.00

4. Main studio location

State: Virginia
County: Richmond
City or town: Richmond
Street address: 121 Wyck St., Suite 300

Name of checking agency or method used

Hutton Monitoring Service

5. Remote control point location

State: Virginia
City or Town: Richmond
Street Address (or other identification): 121 Wyck Street, Suite 300

6. Transmitter installed

Make: RCA
Type No.: BTF-20E1
Rated Power: 20 kW

7. Operating constants

D.C. plate current in last radio stage in amperes: 2.8
Applied D.C. plate voltage of last radio stage, in volts: 7,750
Plate input power to last radio stage, in kilowatts: 21.7
Efficiency factor F of transmitter at operating power, in percent: 51
Transmitter power output in kw by indirect method: 11.06 kW
RF transmission line meter reading: 11.06 kW

8. Antenna

Antenna make and type No.: Harris FMH-4AC
Number of sections: 4
Power gain: 2.1332
Height of antenna radiation center above ground: 720'

Geographical coordinates of antenna (to nearest second)

North latitude: 37 30 31
West Longitude: 77 34 37

Description of antenna supporting structure

Stainless G-5 Guyed Tower with 45' - 10 3/4" Steel Mast

Overall height above ground of antenna supporting structure (without obstruction lighting)

742'

12. Attach as Exhibit No. 1 data, diagrams, and appropriate graphs together with description of measurement procedures and instruments with regard to the following: (All measurements shall be made with the equipment adjusted for normal program operation and shall include all circuits between the main studio microphone terminals and the antenna output, including telephone lines, preemphasis circuits and any equalizers employed except for microphones, and without compression if a compression amplifier is installed.)

a. Audio frequency response from 50 to 15,000 Hertz for approximately 25, 50 and 100 percent modulation. Measurements shall be made on at least the following audio frequencies: 50, 100, 400, 1000, 5000, 10,000 and 15,000 Hertz. The frequency response measurements should normally be made without deemphasis; however, standard 75 microsecond deemphasis may be employed in the measuring equipment or system provided the accuracy of the deemphasis circuit is sufficient to insure that the measured response is within the prescribed limits.

b. Audio frequency harmonic distortion for 25, 50 and 100 percent modulation for the fundamental frequencies of 50, 100, 400, 1000 and 5000 Hertz. Audio frequency harmonics for 100 percent modulation for fundamental frequencies of 10,000 and 15,000 Hertz. Measurements shall normally include harmonics to 30,000 Hertz. The distortion measurements shall be made employing 75 microsecond deemphasis in the measuring equipment or system.

c. Output noise level (frequency modulation) in the band of 50 to 15,000 Hertz in decibels below the audio frequency level representing frequency swing of 75 kilohertz. The noise measurements shall be made employing 75 microsecond deemphasis in the measuring equipment or system.

d. Output noise level (amplitude modulation) in the band of 50 to 15,000 Hertz in decibels below the level representing 100 percent amplitude modulation. The noise measurements shall be made employing 75 microsecond deemphasis in the measuring equipment or system.

13. In what respect, if any, does the apparatus constructed differ from that described in the application for construction permit or in the permit?

Harris/E.R.I. - FMH-4AC antenna substituted for originally specified RCA-BFC-4C-R.

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.

Date November 15, 1983

Signature *Norman E. Hunsberger*
(check appropriate box below)

Telephone No. (703) 569-7704
(include area code)

- Technical Director
- Registered Professional Engineer
- Consulting Engineer
- Chief Operator