

# TRIPLICATE

FCC Form 302  
March 1977

Approved By GAO  
B-180227 (RO 176)

## Section I

United States of America  
Federal Communications Commission

## APPLICATION FOR NEW BROADCAST STATION LICENSE

### 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.

File No. **BLH-831117BF** (For Commission Use Only)

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

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	
103.7 MHz	279	Night 20	Day 100

Hours of operation	Call letters
Unlimited	WEZS

### 2. Construction permit covered by this application

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

Is the station now in satisfactory operating condition Yes ☒ No ☐  
and ready for regular operation?

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, Yes ☐ No ☒  
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)

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		9. Transmission line	
Call Sign WEZS	File No. of construction permit BPH-820716AP	Make MYAT	Type No. 301-001
Frequency 103.7 MHz	Effective radiated power in kilowatts 20	Size: (nominal inside transverse dimension) in inches 3 1/8"	Description Rigid Copper Coaxial
Antenna height above average terrain 840'		Length in feet 750'	Rated efficiency in percent for this length 84.55
2. Station location		10. Modulation monitor	
State Virginia	City or town Richmond	Make QEI	Type No. 691
3. Transmitter location		11. Frequency measurements	
State Virginia	County Chesterfield	Give the following data on the checks of the frequency	
City or town Bon Air, VA	Street Address (or other identification) 1147 Old Bon Air Road	Date and Time	Frequency measured by such agency or method
4. Main studio location		1. 9/28/83 - 10:00 AM	103.700.00
State Virginia	County Richmond	2. 10/15/83 - 3:00 PM	103.700.00
City or town Richmond	Street address 121 Wyck St., Suite 300	3. 11/1/83 - 4:00 PM	103.700.00
5. Remote control point location		Name of checking agency or method used Hutton Monitoring Service	
State Virginia	City or Town Richmond	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.)	
Street Address (or other identification) 121 Wyck Street, Suite 300		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.	
6. Transmitter installed		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.	
Make RCA	Type No. BTF-20E1	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.	
Rated Power 20 kW		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.	
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'			

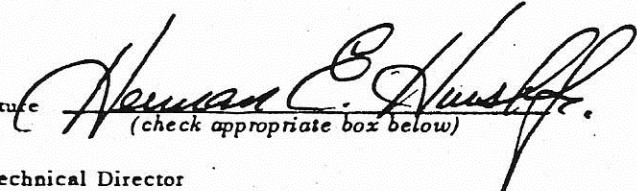
13. In what respect, if any, does the apparatus constructed differ from that described in the application for construction permit or in the permit?

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

  
(check appropriate box below)

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

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