

UNITED STATES OF AMERICA  
FEDERAL COMMUNICATIONS COMMISSION  
MAIN AND AUXILIARY TRANSMITTERS  
STANDARD BROADCAST STATION LICENSE

File No.: **DR-715**  
Call Sign: **WCHS**

Renewal and modification  
Subject to the provisions of the Communications Act of 1934, subsequent Acts, and Treaties, and Commission Rules and thereunder, and further subject to conditions set forth in this license, <sup>1/</sup>the LICENSEE

**ROLLINS BROADCASTING OF DELAWARE, INC.**

is hereby authorized to use and operate the radio transmitting apparatus hereinafter described for the purpose of broadcasting or the term ending 3 a.m. Local Time **October 1, 1978**

The licensee shall use and operate said apparatus only in accordance with the following terms:

- On a frequency of **580 kHz.**
  - With nominal power of **5 kilo watts** nighttime and **5 kilo watts** daytime,  
with antenna input power of **5.4 kilo watts** - directional  
antenna nighttime .....  
and antenna input power of **5 kilo watts** non-directional  
antenna daytime .....
- |   |              |            |      |         |
|---|--------------|------------|------|---------|
| [ | Common point | current    | 10.4 | amperes |
|   | Common point | resistance | 50   | ohms,   |
|   | Antenna      | current    | 8.91 | amperes |
|   | Antenna      | resistance | 63   | ohms    |
- Hours of operation: **Unlimited Time.**  
Average hours of sunrise and sunset:  
Jan. 7:45am to 5:30pm; Feb. 7:15am to 6:00pm;  
Mar. 6:45am to 6:30pm; Apr. 6:00am to 7:00pm;  
May 5:15am to 7:30pm; June 5:00am to 7:45pm;  
July 5:15am to 7:45pm; Aug. 5:45am to 7:15pm;  
Sep. 6:15am to 6:30pm; Oct. 6:30am to 5:45pm;  
Nov. 7:15am to 5:15pm; Dec. 7:30am to 5:15pm;  
Eastern Standard Time. (non-advanced)
- |   |
|---|
| AUXILIARY: 1kw DA-Night                 |
| Common point current 4.65 amps. (Night) |
| Antenna current 4.00 amps (Day)         |
| Antenna input power 1.08kw (Night)      |
- Transmitters may be operated by remote control from 1111 Virginia Street, East, Charleston, West Virginia.
- With the station located at: **Charleston, West Virginia**
  - With the main studio located at:  
**1111 Virginia Street, East  
Charleston, West Virginia**
  - The apparatus herein authorized to be used and operated is located at: North Latitude: **38° 21' 49"**  
7.5 mi. west of center of Charleston, West Virginia West Longitude: **81° 46' 05"**

- Transmitter(s): **GATES, BC-5B (Main)  
COLLINS, 20K (Auxiliary)**

- Other transmitter currently listed in the Commission's "Radio Equipment List, Part B, Aural Broadcast Equipment" for the power herein authorized).
- Obstruction marking specifications in accordance with the following paragraphs of FCC Form 715: **1, 3, 12 & 21.**
  - Conditions: **-**

The Commission reserves the right during said license period of terminating this license or making effective any changes or modification of this license which may be necessary to comply with any decision of the Commission rendered as a result of any hearing held under the rules of the Commission prior to the commencement of this license period or any decision rendered as a result of any such hearing which has been designated but not held, prior to the commencement of this license period.

This license is issued on the licensee's representation that the statements contained in licensee's application are true and that the undertakings therein contained so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such broadcasting service as will serve public interest, convenience, or necessity to the full extent of the privileges herein conferred.

This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequency designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This license is subject to the right of use or control by the Government of the United States conferred by Section 606 of the Communications Act of 1934.

<sup>1/</sup> This license consists of this page and pages **2 & 3**

Dated: **November 17, 1975**

FEDERAL  
COMMUNICATIONS  
COMMISSION



File No.: BR-715

Call Sign: W C H S

Date: 11-17-75

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

DA- H

No. and Type of Elements: Four uniform cross-section, guyed, series excited vertical radiators. A high frequency antenna is side-mounted near the top of the SC(#2) tower.

Height above Insulators: 425' (90°)

Overall Height: 428'

Spacing and Orientation: Spaced 425' (90°) on a line bearing 119.25 true.

Non-Directional Antenna: (SE(#1) used daytime.

Ground System consists of 130 #10 Bare copper radials equally spaced about the base of each tower buried 6-8 inches. An expanded copper mesh ground screen 48 x 49 feet is placed about the base of each tower. Overlapping radials are shortened and bonded to copper strap. All tower ground systems interconnected with copper strap.

2. THEORETICAL SPECIFICATIONS

	<u>Tower</u>	<u>SE(#1)</u>	<u>SC(#2)</u>	<u>No(#3)</u>	<u>TM(34)</u>
Phasing:		0°	153.918°	-43.909°	98.433°
Field Ratio:		1.00	1.398	1.205	0.486

3. OPERATING SPECIFICATIONS

Phase Indication\*: Main & Aux. 0° +154° -48.5° +79.5°

Antenna Base	Main	1.00	1.59	1.40	0.659
Current Ratio:	Auxiliary	1.00	1.33	1.37	0.684

Antenna Monitor Main & Aux. 1.00 1.15 1.11 1.02  
 Sample Current Ratio:

\*As indicated by Potomac AM-19(204) antenna monitor.

11-17-75

Field intensity measuring equipment shall be available at all times and the field intensity at each of the monitoring points shall be measured at least once monthly and an appropriate record kept of all measurements so made.

DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Direction of  $58^{\circ}$  true North. From transmitter site proceed east on U.S. 60 to Charleston to U.S. 21 and follow U.S. 21 north approximately 3.3 miles to Bonham School. Measuring point on east side of road opposite Bonham School in line with concrete drain and approximately five feet from end of drain. Distance from antenna 6.25 miles. The field intensity measured at this point should not exceed 7.5 mv/m.

Direction of  $180^{\circ}$  true North. From monitoring point No. 1 return to Charleston and south across the Patrick Street Bridge and proceed west (toward transmitter site) approximately 2.8 miles to Jefferson Road. Turn left on Jefferson Road approximately .4 miles and left .08 miles to road on right. Turn right and proceed to State Route 14. Turn right and proceed approximately 5.8 miles to monitoring point on south side of State Route 14. Monitoring is in line with 'Falling Rock' road sign midway between edge of road and sign. Distance from antenna 4.84 miles. The field intensity measured at this point should not exceed 8.4 mv/m

Direction of  $250^{\circ}$  true North. From Point No. 2 proceed west on State Route 14 approximately 0.9 miles to unimproved road on right. Turn right and proceed approximately 3.5 miles to end of road. Turn left 0.4 miles to Dry Ridge Road. Turn right on Dry Ridge Road and proceed to Mt. Tabor Church. Monitoring point is on north side of road in line with large oak tree and southeast corner of Mt. Tabor Church. Distance from antenna 2.62 miles. The field intensity measured at this point should not exceed 20 mv/m

Direction of  $300^{\circ}$  true North. From Point No. 3 continue on Dry Ridge Road to St. Albans, turn right (east) on U.S. 60 (MacCorkle Ave.) and proceed to Custer Street (at Grace Baptist Church). Turn right one block to Harrison Avenue and left on Harrison to Albans Elementary School and Assembly of God Church. Monitoring point is in center of church parking lot over fourth parking barrier from street. Distance from antenna 2.86 miles. The field intensity measured at this point should not exceed 43 mv/m.

Direction of  $352^{\circ}$  true North. From Point No. 4 return to St. Albans. Cross the St. Albans Bridge to State Route 25 and proceed east on Route 25 to Goff Mountain Road. Turn left on Goff Mountain Road to intersection with U.S. 35 at cross lanes. Turn right (east) on U.S. 35 and proceed approximately 0.8 miles to driveway of Jack D. Young, 5010 Washington Street, West. Monitoring point is up driveway to second tree (oak). Distance from Antenna 3.8 miles. The field intensity measured at this point should not exceed 17.5 mv/m: