

UNITED STATES OF AMERICA  
FEDERAL COMMUNICATIONS COMMISSION

File No.: BL-791017AH  
FAC ID: 15322  
Call Sign: WHP

STANDARD BROADCAST STATION LICENSE

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

WHP, INC.

is hereby authorized to use and operate the radio transmitting apparatus hereinafter described for the purpose of broadcasting for the term ending 3 a.m. Local Time August 1, 1981

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

1. On a frequency of 580 kHz.
2. With nominal power of 5 kilowatts daytime and 5 kilowatts nighttime, with antenna input power of 5400 watts  directional common point  antenna current 10.4 amperes, antenna nighttime  directional common point  antenna current 50 ohms, and antenna input power of 5000 watts non directional  antenna resistance 12.1 ohms, antenna daytime  antenna resistance 34.3 ohms

3. Hours of operation: Unlimited:

Average hours of sunrise and sunset:

Jan. 7:30am to 5:00pm;	Feb. 7:00am to 5:45pm;
Mar. 6:15am to 6:15pm;	Apr. 5:30am to 6:45pm;
May 5:00am to 7:15pm;	June 4:30am to 7:45pm;
July 4:45am to 7:30pm;	Aug. 5:15am to 7:00pm;
Sep. 5:45am to 6:15pm;	Oct. 6:15am to 5:30pm;
Nov. 7:00am to 4:45pm;	Dec. 7:30am to 4:45pm;

4. ~~With the station located at: Harrisburg, Pennsylvania~~  
Eastern Standard Time (non-advanced)

5. With the main studio located at: 3300 North 6th Street, Harrisburg, Pennsylvania

6. Remote control point: 3300 North 6th Street, Harrisburg, Pennsylvania

7. Transmitter location: North Latitude: 40° 18' 11"  
West Longitude: 76° 57' 07"

4.5 miles Northwest of Harrisburg on Tower Road  
Ehola, Pennsylvania

8. Obstruction marking specifications in accordance with the following paragraphs of FCC Form 715: 1, 3, 12 & 21.

9. Transmitter(s): FCC Type Accepted

10. 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.

1/ This license consists of this page and pages 2, 3 & 4.

Dated: April 9, 1980

FEDERAL  
COMMUNICATIONS  
COMMISSION



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Date:

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

DAN

No. and Type of Elements: Six, vertical, guyed, steel radiators of uniform cross-section. Theoretical RMS; 400 mV/m, night. Theoretical efficiency: 188 mV/m, day.

Height above Insulators: 400' (84.9°)

Overall Height: 404'

Spacing and Orientation: With Tower #1 as reference, Tower #2 is spaced 83° (390.9') bearing 328°T; Tower #3 is spaced 166° (781.9') bearing 328°T; Tower #4 is spaced 216° (1017.5') bearing 26°T; Tower #5 is spaced 269.34° (1268.8') bearing 10.85°T; Tower #6 is spaced 334.98° (1577.97') bearing 01.15°T.

Non-Directional Antenna:

Tower SC(#2)

Ground System consists of A 3 inch copper strap extending outward every 45° to 3/4 inch continuous copper tubing ring of 40 feet diameter about each tower, plus 120 equally spaced buried copper radials 425 feet long or to bonding straps or to property edge.

2. THEORETICAL SPECIFICATIONS

Phasing:	Tower SE(#1)	SC(#2)	SW(#3)	NE(#4)	NC(#5)	NW(#6)
Night	0°	144.7°	289°	13°	157.7°	302°
Field Ratio:	Night 1.0	1.517	0.827	0.939	1.424	0.777

3. OPERATING SPECIFICATIONS

Phase Indication\*:

Night	-137°	0°	151°	42°	-171°	-26°
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Antenna Base

Current Ratio:

Night	0.710	1.00	0.580	0.670	1.00	0.570
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Antenna Monitor Sample

Current Ratio:

Night	0.64	1.00	0.545	0.55	0.825	0.47
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\*As indicated by Potomac Instruments AM-19(204) antenna monitor.  
Exemptions as listed in Section 73.68(b) of the Rules will apply during proper operation of approved sampling system.

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

DIRECTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Direction of  $0^{\circ}$  true North. From transmitter building drive south 0.2 miles to intersection of Valley Road and Tower Road, turn left and drive 1.7 miles to Ehola Road (U.S. Route 11/15). Turn left on Ehola Road and drive 2.8 miles to the Junction of Valley Street (State Route 850). Turn left on Route 850, drive 1.25 miles to Hooker's driveway. Monitor point is located 50 feet south in driveway of mailbox A28. The field intensity measured at this point should not exceed 14.8 mV/m.

Direction of  $60^{\circ}$  true North. From transmitter building drive south 0.2 miles to intersection of Valley Road and Tower Road, turn left and drive 1.7 miles to Ehola Road (U.S. Route 11/15). Turn left on Ehola Road and take next right turn onto Interstate 81, proceed across George E. Wade Memorial Bridge to exit 22 (North Front Street Exit). Proceed 0.9 miles north on Front Street to State Route 39 East (Linglestown Road) and drive 0.5 miles to Mountain View Road. Turn left and proceed 0.25 miles, bear right then left to continue on Mountain View Road. Monitor Point is located on east side of road opposite Mailbox Number 4533. The field intensity measured at this point should not exceed 10.6 mV/m.

Direction of  $182^{\circ}$  true North. From transmitter building drive south 0.2 mile to intersection of Valley Road and Tower Road, turn right and drive 1.6 miles to State Route 944. (Wertzville Road), turn left on Route 944 and proceed 0.7 miles to Orrs Bridge Road. Turn right onto Orrs Bridge Road, drive 3.7 miles to Carlisle Pike, turn right and drive 0.4 miles to St. Johns Church Road. Turn left and drive 0.5 miles to Trindle Road (State Route 641), turn right on Trindle Road and proceed to first cemetery entrance. Monitor Point is located in cemetery approximately 100 feet north of Route 641 at southeast corner of intersecting cemetery road by Bricker Memorial. The field intensity measured at this point should not exceed 19.0 mV/m.

Direction of  $199^{\circ}$  true North. From transmitter building drive south 0.2 miles to intersection of Valley Road and Tower Road, turn right and drive 1.6 miles to State Route 944 (Wertzville Road), turn left on Route 944 and proceed 0.7 miles to Orrs Bridge Road. Turn right onto Orrs Bridge Road, drive 1.1 miles to Memory Lane. Turn left onto Memory Lane and proceed 0.12 miles. Monitor Point is on north side of road, opposite a pond. The field intensity measured at this point should not exceed 60 mV/m.

Direction of  $240^{\circ}$  true North. From transmitter building drive south 0.2 miles to intersection of Valley Road and Tower Road, turn right and drive 1.6 miles to State Route 944 (Wertzville Road), turn right on Route 944 and proceed 0.45 miles. Monitor Point is on north side of road opposite to west end of the Route 944 centerline concrete divider. The field intensity measured at this point should not exceed 13.7 mV/m.

Direction of  $294^{\circ}$  true North. From transmitter building drive south 0.2 miles to intersection of Valley Road and Tower Road, turn left and drive 1.7 miles to Ehola Road (U.S. Route 11/15). Turn left on Ehola Road and drive 2.8 miles to the Junction of Valley Street (State Route 850). Turn left on Route 850, drive 5.2 miles to No. 146 driveway. Monitor Point is located on No. 146 driveway, 100 feet north of Route 850. The field intensity measured at this point should not exceed 6.8 mV/m.

DIRECTION OF AND FIELD INTENSITY AT MONITORING POINTS (CONT'D)

Direction of  $314^{\circ}$  true North. From transmitter building drive south 0.2 miles to intersection of Valley Road and Tower Road, turn left and drive 1.7 miles to Enola Road (U.S. Route 11/15). Turn left on Enola Road and drive 2.8 miles to the Junction of Valley Street (State Route 850). Turn left on Route 850, drive 3.4 miles to Highway marker 8/65. Monitor point is located alongside the 8/65 marker, on north side of road. The field intensity measured at this point should not exceed 21.8 mV/m.