

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
MODIFIED

File No.: BS-1252

Call Sign: W P P A

STANDARD BROADCAST STATION LICENSE

ALTERNATE AND AUXILIARY TRANSMITTERS

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, ^{1/}the LICENSEE

A. V. TIDMORE tr/as POTTSVILLE BROADCASTING COMPANY

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, 1978

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

1. On a frequency of 1560 kHz.
2. With nominal power of 500 watts nighttime and 5 kilo watts daytime,
with antenna input power of 540 watts - directional [common point current 3.16 amperes
antenna nighttime [common point resistance 54 ohms,
and antenna input power of 5.4 kilo watts - directional [common point current 10.0 amperes
antenna daytime [common point resistance 54 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 4:45am to 7:15pm; June 4:30am to 7:30pm;

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. 6:45am to 4:45pm; Dec. 7:15am to 4:45pm;

Eastern Standard Time (non-advanced)

AUXILIARY 1 kilowatt Day

antenna input power 1.08kw

common point current 4.47 amps

4. With the station located at: Pottsville, Pennsylvania

5. With the main studio located at:

212 S. Centre Street

Pottsville, Pennsylvania

6. The apparatus herein authorized to be used and operated is located at: North Latitude: 40° 41' 56"

Norwegian Twp., 600' N. of

West Longitude: 76° 11' 41"

Pottsville, Pennsylvania

Transmitter may be operated by remote control from
212 South Centre Street, Pottsville, Pennsylvania,
(Main Only).

7. Transmitter(s): RCA MFG. CO., BTA-5T

WESTERN ELECTRIC 44-A-1 (Ant. day-Alt. Main Night)

(or other transmitter currently listed in the Commission's "Radio Equipment List, Part B, Aural Broadcast Equipment" for the power herein authorized).

8. Obstruction marking specifications in accordance with the following paragraphs of FCC Form 715: 1 and 21. In
9. ~~addition~~ addition, a single rotating beacon, CCA specification L-601, mounted on the center tower of five tower array.

Licensee shall take necessary steps to eliminate any adverse problems of cross-modulation or reradiation between the proposed operation of WPAM.

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: February 19, 1976

FEDERAL
COMMUNICATIONS
COMMISSION



1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

DA- 2

No. and Type of Elements: **Five uniform cross-section, guyed, series excit vertical steel radiators.**

Height above Insulators: **180' (89.6°)**

Overall Height: **185'**

Spacing and Orientation: **Five towers in a X configuration with tower #1 as the common tower to both the daytime and nighttime array Daytime towers #1, #2 & #3 spaced 180.9' (90°) on a bearing of 100° true. Nighttime towers #1, #4 & #5 spaced 180.9' (90°) on a bearing of 357° true**

Non-Directional Antenna: **None used**

Ground System consists of 120-181' equally spaced, buried copper radials about the base of each tower. Intersecting radials shortened and bonded to transverse copper strap midway between towers.

2. THEORETICAL SPECIFICATIONS

	Tower	#1 (C)	#2 (W)	#3 (E)	#4 (S)	#5 (N)
Phasing:	Night	0°	-	-	-162°	163°
	Day	0°	-120°	170°	-	-
Field Ratio:	Night	1.0	-	-	0.7	0.45
	Day	1.0	0.6	0.6	-	-

3. OPERATING SPECIFICATIONS

Phase Indication*:	Night	0°	-	-	-46°	-7°
	Day	0°	154°	-58°	-	-
Antenna Base Current Ratio:	Night	1.0	-	-	0.60	0.53
	Day	1.0	0.56	0.65	-	-
Current Ratio:	Night	1.0	-	-	1.44	1.20
	Day	1.0	0.520	0.668	-	-

*As indicated by **Delta DAM-1 (3-218) antenna monitor**

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

DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Direction of 9° true North. From transmitter site, follow driveway (North St. Ext.) 0.3 mile to the intersection of North and Walnut Sts. Drive left 0.05 mile on Walnut, then right 0.03 mile on North, then left 0.12 on Water, then right 0.05 on Front to the intersection of Front and N. Coal Sts. Turn left and drive 0.1 mile to Mill Creek Ave. Turn left and drive 0.6 mile to the intersection of Mill Creek Ave. and US 122. Turn left and follow US 122 for 1.35 miles to the traffic light at Second St. in St. Clair. Turn left and follow US 122 (2nd St.) 0.7 mile to Sherman St. where US 122 curves right. Turn right and follow Sherman St. 0.15 mile to end at intersection of N. Nichols. Walk in baseball field approximately 50 yards to monitoring point near pitcher's mound. The distance to the point is 1.8 miles. The field intensity measured at this point should not exceed 61 mv/m. Day.

Direction of 72° true North. From transmitter site drive 0.55 mile to the intersection of Front and N. Coal Sts. Turn left and drive 0.1 mile on N. Coal St. to Mill Creek Ave. Turn left and follow Mill Creek Ave. 0.6 mile to US 122. Continue east on Mill Creek Ave. 0.85 mile to the Port Carbon-St. Clair Rd. Turn left and drive 0.3 mile to the point where road bends right. The monitor point is on the left (west) side of road. The distance to the point is 1.05 miles. The field intensity measured at this point should not exceed 147 mv/m Day.

Direction of 100° true North. From transmitter site, drive 0.55 mile to the intersection of Front and N. Coal Sts. Turn left and drive 0.1 mile on N. Coal St. to Mill Creek Ave. Turn left and follow Mill Creek Ave. 0.6 mile to US 122. Continue east on Mill Creek Ave. 0.85 mile to Port Carbon-St. Clair Rd. Turn right and drive 0.5 mile to Pike St. in Port Carbon where road bends left. Follow Pike St. 0.3 mile to right bend in road. Continue 0.03 mile to point where US 209 curves left and a street continues straight ahead. Continue on this street 0.07 mile to Main Street where Liberty Oil Company building is straight ahead and a Sears Building is just east of the Liberty Oil Company building. The monitor point is in the Sears parking lot. The distance to the point is 1.76 miles. The field intensity measured at this point should not exceed 87 mv/m. Day.

Direction of 165° true North. From transmitter site, drive 0.55 mile to the intersection of Front and N. Coal Sts. Turn right and drive 0.05 mile to N. Centre St. Turn left and drive south on N. Centre St. 1.5 miles. Bear left and under railroad overpass 0.1 mile to the junction with US 122. Turn right and proceed approximately 50 yards to the monitor point which is on the south side of the Atlantic Service Station located at the SW corner of the road intersection. The distance to the point is 1.93 miles. The field intensity measured at this point should not exceed 46 mv/m. Day.

DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS: (Continued)

Direction of 58° true North. From transmitter site, drive 0.55 mile to the intersection of Front and N. Coal Sts. Turn left and drive 0.1 mile on N. Coal St. to Mill Creek Ave. Turn left and drive 0.6 mile to US 122. Continue east on Mill Creek Ave. 0.85 mile to Port Carbon-St. Clair Rd. Turn left and drive 0.6 mile to point where road bends left at an Atlantic Service Station on the east and a cleared area on the west. The monitor point is opposite the Atlantic Service Station approximately 50 yards in the cleared area. The distance to the point is 1.17 miles. The field intensity measured at this point should not exceed 11 mv/m Night.

Direction of 76° true North. From transmitter site, drive 0.55 mile to the intersection of Front and N. Coal Sts. Turn left and drive 0.1 mile on N. Coal St. to Mill Creek Ave. Turn left and drive 0.6 mile to US 122. Continue east on Mill Creek Ave. 0.85 mile to Port Carbon-St. Clair Rd. Turn left and drive 0.18 mile to driveway on right and guard rail on the left. The monitor point is on the west side of the road approximately 10 ft. north of the end of the guard rail. The distance to the point is 1.07 miles. The field intensity measured at this point should not exceed 16.5 mv/m Night.

Direction of 262° true North. From transmitter site, drive 0.55 mile to Front and N. Coal Sts. Turn right and drive 0.05 mile to N. Centre St. Turn left and drive 0.05 mile to Peacock St. Turn right and drive 0.95 mile to the intersection of Peacock St. and N. 16th St. Turn left on N. 16th and drive 0.35 mile to Mt. Hope Rd. Turn right and follow Mt. Hope Rd. 1.25 miles to a crossroad. Continue on across the road and approximately 200 ft. to a double garage on the left. The monitor point is on the left side of the road and approximately 15 ft. south of the garage. The distance to the point is 2.0 miles. The field intensity measured at this point should not exceed 3.3 mv/m Night.

Direction of 297° true North. From transmitter site drive 0.55 mile to the intersection of Front & N. Coal Sts. Turn right and drive 0.05 mile to N. Centre St. Turn right and drive 1.50 miles to the entrance of a new cemetery on the right. The monitor point is in the cemetery approximately 50 yards. The distance to the point is 1.05 miles. The field intensity measured at this point should not exceed 12 mv/m Night.

Direction of 357° true North. From transmitter site drive 0.55 mile to the intersection of Front and N. Coal Sts. Turn left and drive 0.1 mile to Mill Creek Ave. Turn left and drive 0.6 mile to US 122. Turn left and follow US 122 for 1.35 miles to the traffic light in St. Clair. Turn left and drive 0.5 mile to Hancock St. Turn left 0.25 mile to a street on the right where there is an American Oil Company Service Station on the northeast corner. A dirt driveway west of the service station running in a northwest direction leads to the monitor point, which is 0.05 mile in from the road junction and approximately 20 ft. from a large tree. The distance to the point is 1.38 miles. The field intensity measured at this point should not exceed 51 mv/m Night.