




United States of America  
FEDERAL COMMUNICATIONS COMMISSION  
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

SALVATION BROADCASTING CO.  
P.O. BOX 46327  
PHILADELPHIA PA 19160

  
Son Nguyen  
Supervisory Engineer  
Audio Division  
Media Bureau

Facility Id: 58738

Call Sign: WPHE

License File Number: BL-19800125AA

Grant Date: JUL 7 1981

This license expires 3:00 a.m.  
local time, August 01, 2006.

This authorization superseded to correct the average hours of sunrise and sunset. HKC 1/28/2003

Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this license, the licensee is hereby authorized to use and operate the radio transmitting apparatus herein described.

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 the 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.

Hours of Operation: Daytime

Average hours of sunrise and sunset:  
Local Standard Time (Non-Advanced)

Jan.	7:30 AM	5:00 PM	Jul.	4:45 AM	7:30 PM
Feb.	7:00 AM	5:30 PM	Aug.	5:15 AM	7:00 PM
Mar.	6:15 AM	6:15 PM	Sep.	5:45 AM	6:15 PM
Apr.	5:30 AM	6:45 PM	Oct.	6:15 AM	5:30 PM
May	4:45 AM	7:15 PM	Nov.	6:45 AM	4:45 PM
Jun.	4:30 AM	7:30 PM	Dec.	7:15 AM	4:45 PM

Callsign: WPHE

License No.: BL-19800125AA

Name of Licensee: SALVATION BROADCASTING CO.

Station Location: PHOENIXVILLE, PA

Frequency (kHz): 690

Station Class: D

Antenna Coordinates:

Day

Latitude: N 40 Deg 08 Min 08 Sec

Longitude: W 75 Deg 33 Min 37 Sec

Transmitter(s): Type Accepted. See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.

Nominal Power (kW): Day: 1.0

Antenna Input Power (kW): Day: 1.08

Antenna Mode: Day: DA

(DA=Directional Antenna, ND=Non-directional Antenna; CH=Critical Hours)

Current (amperes): Day: 4.65

Resistance (ohms): Day: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN
1	1027217
2	1027218

## DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 285.34

Standard RMS (mV/m/km): Day: 299.94

Augmented RMS (mV/m/km):

Q Factor: Day:

## Theoretical Parameters:

## Day Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	1.0000	0.000	0.0000	0.000	0	TL/S
2	0.7500	-13.000	190.0000	206.000	0	TL/S

## \* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

## Top-Loaded/Sectionalized Tower Parameters: (See 47 CFR 73.160)

Tower No.	A	B	C	D
1	90.9	18.90	.00	.00
2	90.9	18.90	.00	.00

## Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	0	1
2	-13	0.81

Antenna Monitor: POTOMAC INSTRUMENTS AM-19(204)

Sampling System Approved Under Section 73.68(b) of the Rules.

## Monitoring Points:

## Day Operation:

Radial (Deg. T)	Distance From Transmitter (km)	Maximum Field Strength (mV/m)
26	5.92	17.8
206	5.65	7.3
357.5	3.93	18

## Special operating conditions or restrictions:

- DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM  
No. and Type of Elements: Two uniform cross section, guyed, series-excited vertical radiators.

Ground System consists of 120 equally spaced radials, 360' in length about the base of each tower except where curtailed by creek or property limit, plus 40'x40' ground screen.

Special operating conditions or restrictions:

2 DESCRIPTION OF AND FIELD INTENSITY MEASURED AT MONITORING POINTS:

Direction of 206 True North. From the transmitter building proceed northeast through the front northside parking lot of the National Guard Building and out to Rapps Dam Road. Turn right and proceed south 0.47 mile on Rapps Dam Road to State Route 113. Turn right and proceed south on Route 113 for a distance of 3.67 miles to Pikeland Road. Turn left and proceed east on Pikeland Road 1.21 miles to Street road. Turn left and proceed north 0.16 mile to the driveway of Indian Springs Camp. Turn right and proceed down the driveway 0.08 mile to where a left bend begins. The monitoring point is in the middle of this driveway at the beginning of the left bend.

Direction of 357.5 True North. From the 206 True monitoring point, return to the National Guard driveway on Rapps Dam Road. From the driveway continue north on Rapps Dam Road 0.48 mile to State Route 724. Turn left and proceed north on Route 724, 1.94 miles to Stony Run Road. Turn left and proceed west on Stony Run Road to Hill Church Road. Turn right and proceed north on Hill Church Road 0.13 miles to Opperman Road. Turn right. The monitoring point is in the middle of Opperman Road at the first Driveway, on the right from the corner of Hill Church and Opperman.

Direction of 26 True North. From the 357.5 True monitoring point, return to the corner of Hill Church and Opperman. Turn north onto Hill Church Road and proceed 0.28 mile to State Route 724. Turn left and proceed North on Route 724, 0.81 mile to Bridge Street. Turn right and proceed east 1.06 miles. Turn left and cross the bridge on to Main Street, 0.83 mile to 6th Avenue. Turn right and proceed 0.47 mile south on 6th Avenue to house no. 669. The monitoring point is in the middle of the street opposite the dual garage of house no. 669.

\*\*\* END OF AUTHORIZATION \*\*\*