



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

PENTECOSTAL TEMPLE DEVELOPMENT CORPORATION
6300 EAST LIBERTY BLVD
PITTSBURGH PA 15206

Son Nguyen
Son Nguyen
Supervisory Engineer
Audio Division
Media Bureau

Grant Date: **AUG - 7 2019**

Facility Id: 59695

Call Sign: WGBN

This license expires 3:00 a.m.
local time, August 01, 2022.

License File Number: BL-20190325ABB

This license covers permit no.: BP-20180123AAG

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: Unlimited

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

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

Callsign: WGBN

License No.: BL-20190325ABB

Name of Licensee: PENTECOSTAL TEMPLE DEVELOPMENT CORPORATION

Station Location: MCKEESPORT, PA

Frequency (kHz): 1360

Station Class: B

Antenna Coordinates:

Day

Latitude: N 40 Deg 18 Min 41 Sec

Longitude: W 79 Deg 50 Min 59 Sec

Night

Latitude: N 40 Deg 18 Min 41 Sec

Longitude: W 79 Deg 50 Min 59 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 Night: 1.0

Antenna Input Power (kW): Day: 1.0 Night: 1.08

Antenna Mode: Day: ND Night: DA

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

Current (amperes): Day: 4.15 Night: 4.65

Resistance (ohms): Day: 58 Night: 50

Non-Directional Antenna: Day

Radiator Height: 61 meters; 99.6 deg

Theoretical Efficiency: 311.9 mV/m/kw at 1km

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
4	1026651	

Night:

Tower No.	ASRN	Overall Height (m)
1	1026648	
2	1026649	
3	1026650	
4	1026651	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Night: 300.95

Standard RMS (mV/m/km):

Augmented RMS (mV/m/km): Night: 318.59

Q Factor: Night: 10.17

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	0.8500	25.000	0.0000	0.000	0	99.6
2	1.0000	0.000	210.0000	85.800	0	99.6
3	0.8000	244.000	90.0000	355.800	0	99.6
4	0.7500	217.000	228.5000	62.600	0	99.6

* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Augmentation Parameters:

Aug No.	Central Azimuth (Deg. T)	Span (Deg.)	Radiation at Central Azimuth (mV/m @ 1 km)
1	65.0	12.0	44.26
2	72.5	13.0	45.06
3	79.0	12.0	54.72
4	85.0	10.0	62.76
5	90.0	10.0	63.57
6	95.0	10.0	61.16
7	105.0	12.0	52.30
8	105.0	10.0	53.11
9	111.0	12.0	56.33
10	215.0	12.0	54.72
11	215.0	10.0	55.52
12	223.0	16.0	57.94
13	240.0	16.0	54.72
14	248.0	14.0	45.06
15	255.0	12.0	40.23
16	255.0	10.0	46.67
17	307.0	45.0	43.45
18	307.0	10.0	48.28
19	330.0	46.0	426.48

Night Directional Operation:

Twr. Phase No. (Deg.)	Antenna Monitor Sample Current Ratio
1 -137.5	1013
2 15.8	0.869
3 0	1
4 -144.9	0.928

Antenna Monitor: GORMAN REDLICH CMR 101

Monitoring Points:

Night Operation:

Radial (Deg. T)	Distance From Transmitter (km)	Maximum Field Strength (mV/m)
72.5	4.39	12.1
105	3.23	14
215	4.31	6.1
255	1.85	23
284.5	3.59	14
307	2.85	10

Special operating conditions or restrictions:

- 1 Licensee shall be responsible for satisfying all reasonable complaints of blanketing interference within the 1 V/m contour as required by Section 73.88 of the Commission's rules.
- 2 The permittee/licensee must reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.
- 3 Grant of this license application is conditioned on the continuous operation of the licensed facility for the twelve-month period following grant. The failure of the facility to so operate will result in the rescission of this grant, dismissal of the license application and the forfeiture of the associated construction permit pursuant to 47 C.F.R. § 73.3598(e) unless the licensee rebuts the presumption that the authorized facilities were temporarily constructed.
- 4 Ground system consists of 250 equally spaced, buried, copper radials about the base of each tower, 76.2 meters in length, plus a 12.2 m by 12.2 m screen about the base of each tower.

Special operating conditions or restrictions:

5 DESCRIPTION OF MONITORING POINTS:

Direction of 72.5° True North: From the transmitter site entrance, proceed west on W. Calhoun Road 0.5 mile to Port Vue Road. Turn left and proceed 0.5 mile south to West Smithfield Road. Turn left onto this road and follow 1.7 miles northeast to the intersection with the Boston Bridge. Turn left and cross the bridge, proceed ¼ mile, straight to the intersection with Center Street. Turn right on Center Street and proceed 1.8 mile east to a "Y" intersection. Proceed straight onto Center Street Extension for 1.9 mile east to a curve with a white tank in a pull off near the White Oak Farms apartment complex. The monitor point is located on the pull off beside the road curve. The distance from the array is 2.73 miles.

Direction of 105° True North: From the transmitter site entrance, proceed west on W. Calhoun Road 0.5 mile to Port Vue Road. Turn left and proceed 0.5 mile south to West Smithfield Road. Turn left onto this road and follow 1.7 miles northeast to the intersection with the Boston Bridge. Immediately bear right onto Renzie Road and follow 0.9 mile southeast to Country Club Road. Turn left onto this road and proceed 0.4 mile northeast to the intersection with Golf View Road. The monitor point is located in front of the red brick house 100 feet from that road intersection, and near Golf View Road edge. The distance from the array is 2.01 miles.

Direction of 215° True North: From the transmitter site entrance, proceed west on W. Calhoun Road 0.5 mile to Port Vue Road. Turn right and proceed north 0.5 mile to Belle Bridge Road. Turn left onto this road and follow downhill 1.1 mile to the intersection with Glassport Road. Turn left onto this road and follow south 2.0 miles into Elizabeth Boro and the intersection with Long Street. Turn right onto this street and proceed north 0.15 mile across the railroad tracks to a small red brick house on the right, beside the tracks. The Old Wiley Railroad station is behind the house. The monitor point is located on Long Street in front of the red brick house. The distance from the array is 2.68 miles.

Direction of 255° True North: From the transmitter site entrance, proceed west on W. Calhoun Road 0.5 mile to Port Vue Road. Turn right and proceed north 0.5 mile to Belle Bridge Road. Turn left onto this road and follow downhill 1.1 mile to the intersection with Glassport Road. Turn right onto this road and follow north 0.4 mile past Bell Bridge Auto Wreckers to a fireplug on the left (westerly) side of the road. The monitor point is located beside this fireplug. Pictured in the background is the Monongahela River and the famous U.S. Steel Clairton Coke Works. The distance from the array is 1.15 miles.

Special operating conditions or restrictions:

- 6 Direction of 284.5° True North: From the transmitter site entrance, proceed west on W. Calhoun road 0.5 mile to Port Vue Road. Turn right and proceed north 0.5 mile to Belle Bridge Road. Turn left onto this road and follow downhill 1.1 mile to the intersection with Glassport Road. Turn right onto this road and follow north 0.2 mile to the Westinghouse plant entrance just inside the Glassport Boro limits. Across Glassport from the plant is a Shop N Save food store and a parking lot. The monitor point is located 50 feet in front of the store in the parking lot opposite the Westinghouse plant entrance. The distance from the array is 2.23 miles.

Direction of 307° True North: From the transmitter site entrance, proceed west on W. Calhoun Road 0.5 mile to Port Vue Road. Turn right and proceed north 1.0 mile to an intersection with Washington Boulevard. Turn left onto this road and proceed northwest 1.1 mile to Edmudston Road. Turn right onto this road and proceed northward 0.15 mile to a clear spot near an old yellow house. The monitor point is located on the westerly road edge near this house. The distance from the array is 1.77 miles.

*** END OF AUTHORIZATION ***