FCC Form 352
June 1984

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No.: BZ-851125AF

Call Sign: WJAC

AM BROADCAST STATION LICENSE

Subject to the provisions of the Communications Act of 1934, as amended, subsequent Acts, Treaties, and Commission Rules made thereunder, and further subject to conditions set forth in this license,[1] the LICENSEE

The Johnstown Tribune Publishing Co.

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, 1991 in accordance with the following:

1. Station location: Johnstown Pennsylvania

2. Main Studio location: (Listed only if not at transmitter site or not within boundaries of principal community)

3. Remote control location: 109 Plaza Drive Johnstown, PA

4. Transmitter location: At Junction of Routes No. 55151 and 55078 near Hillsboro, PA
North latitude: 40 ° 10 ' 54.5"
West longitude: 78 ° 53 ' 19.6"

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

6. Antenna and ground system: see attached

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7. Obstruction marking and lighting specifications — FCC Form 715, paragraphs: 1, 3, 12 & 21

8. Frequency (kHz.): 850

9. Nominal power (kW): 10.0 Day
10.0 Night

Antenna input power (kW): 10.5 Day

☐ Non-directional antenna: current _____ amperes; resistance _____ ohms.
☒ Directional antenna : current 11.95 amperes; resistance 73.5 ohms.

10.5 Night

☐ Non-directional antenna: current _____ amperes; resistance _____ ohms.
☒ Directional antenna : current 11.95 amperes; resistance 73.5 ohms.

10. Hours of operation: Specified in ~~construction permit (BP~~ License BR-810331UG
11. Conditions:

The Commission reserves the right during said license period of terminating this license or making effective any change 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, as amended. 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, as amended.

[1] This license consists of this page and pages

Dated:

FEDERAL COMMUNICATIONS COMMISSION

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FCC Form 353-A
April 1973

BZ-85/125AF

File No.: ~~BR-515~~ Call Sign: W J A C Date: ~~2-[illegible]~~

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM DA-1, U

No. and Type of Elements: Nine, uniform cross-section, guyed, series excited, vertical steel radiators, top loaded by the upper 65' of the top guy wires. Theo. RMS: 965.61 mV/m @ Km Aug RMS: 1014.45 mV/m @ Km. Q: 27.36

Height above Insulators: 299' (101° including top loading).

Overall Height: 302'

Spacing and Orientation: Towers arranged in three rows of three each bearing 98° true and 357° true. Spacing on 98° true is 656' (204°). Spacing on 357° true is 289.5' (90°).

Non-Directional Antenna: None used.

Ground System consists of 120 equally spaced, buried, copper radials 290' in length, plus a 48' x 48' copper ground screen, about the base of each tower. Radials are shortened and bonded to transverse copper straps at points of intersection.

2. THEORETICAL SPECIFICATIONS

Phasing:

Field Ratio:

See Page 2A attached.

3. OPERATING SPECIFICATIONS

Phase Indication*:

Antenna Base Current Ratio:

Current Ratio:

*As indicated by Potomac Instruments AM-19D (210) antenna monitor.

Antenna sampling system approved under 73.68 (b) of the rules.

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~~BP-545~~

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THEORETICAL SPECIFICATIONS		NE (#1)	CE (#2)	SE (#3)	NC (#4)	C (#5)	SC (#6)	NW (#7)	CW (#8)	SW (#9)
TOWER										
Phasing:	Night & Day	-154.6°	5.1°	167.8°	-160.7°	0°	160.7°	-167.8°	-5.1°	154.6°
Field Ratio:	Night & Day	1.0	0.942	1.0	1.95	1.827	1.95	1.0	0.942	1.0

OPERATING SPECIFICATIONS

Phase Indication:	Night & Day	-137.2° ~~-137.6°~~	18.4° ~~[illegible]~~	167.0°	-152.8°	0°	153.6° ~~[illegible]~~	-177.2° ~~[illegible]~~	-33.2° ~~[illegible]~~	127.0°
Antenna Base Current Ratio:	Night & Day	~~0.413~~ 0.422	~~[illegible]~~ 0.482	~~[illegible]~~ 0.500	~~0.820~~ 0.817	1.000	~~[illegible]~~ 0.876	0.358	0.495	~~[illegible]~~ 0.408
Sample Current Ratio:	Night & Day	~~[illegible]~~ 0.411	~~[illegible]~~ 0.462	0.478	0.831	1.000	~~[illegible]~~ 0.886	~~[illegible]~~ 0.346	~~[illegible]~~ 0.456	~~[illegible]~~ 0.387

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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 so made.

DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Direction of 62° true North. Leaving the WJAC transmitter continue straight on Legislative Route 55151 for a distance of 1.2 miles under railroad, cross bridge; 200 feet after crossing bridge take first road to the right past Berkey Church to dead end. Turn left here for approximately 0.4 mile past mine on left State Route 160. Turn right for approximately 200 yards to first culvert on right side of road. Point is on left of road 65 feet into field from point marker set in bank. The field intensity measured at this point should not exceed [redacted] 4.2 mv/m.

Direction of 72° true North. Turn around on Route 160 and go north past two water tanks on top of hill on right to right turn at next intersection of hard road. (Route 160 turns right here also). Continue on Route 160 to Route 56 at bottom of hill past tall stack and power plant. Turn right here on Route 56, across railroad, on four lane divided highway 1.5 miles turning right on Spruce Street. Continue straight, across railroad, up-hill, around sharp left bend, one mile to dirt road on right where hard road turns left. Take dirt road to right 0.3 mile to 3 white posts. Point is on right of road at point marker near closest white post. The field intensity measured at this point should not exceed [redacted] 1.5 mv/m.

Direction of 82° true North. Turn around and return to hard road turning right at large barn on left across stone bridge, around sharp right bend (dam on left) across creek, 2.4 miles to right turn on dirt road, downhill, across creek, u phill to third house on right. Point is on right side of road at point marker 50 feet from highway near large hemlock tree. The field intensity measured at this point should not exceed [redacted] 2 mv/m.

Direction of 97° true North. Continue on dirt road 0.8 mile to State Route 160. Turn left on State Route 160 for 0.9 mile to Legislative Route 55095. Turn left on this route for 0.1 mile. Point is on left of road 20 feet past "SLOW" sign at point marker 10 feet from highway. The field intensity measured at this point should not exceed [redacted] 9.9 mv/m.

Direction of 132° true North. Turn around and go back to Route 160, turning left to Central City for 3.3 miles to dirt road on right. Turn right here across bridge, railroad, winding road up hill 0.5 mile to strip mine road on left. Point is down road on left 250 feet and 15 feet to left of highway at point marker. The field intensity measured at this point should not exceed [redacted] 2.1 mv/m.

Direction of 142° true North. Continue 0.8 mile to intersection of hard road, going straight through on hard road for 1.5 miles to lane through fence on right. Point is 80 feet in from road at point marker just across small ditch. The field intensity measured at this point should not exceed [redacted] 2.4 mv/m.

Direction of 152° true North. Continue on this road, bearing right 0.1 mile, later a total of 1.5 miles to ditch and reflector sign on left. Point is 10 feet in field on left at point marker. The field intensity measured at this point should not exceed [redacted] 3.0 mv/m.

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~~[illegible]~~ WJAC ~~9-10-73~~

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

Direction of 182° true North. Continue on hard road 1.1 miles to dirt road on right. Turn on this road for 1.7 miles past KART tract on right to turn-off and large logs on left. Point is 10 feet off road to the left in this turn-off. The field intensity measured at this point should not exceed [redacted] 47 mv/m.

Direction of 202° true North. Continue on this 1.5 miles to dead end on State Route 53. Turn left on this route for 2.3 miles to a point 200 feet short of bridge to right across large creek. Point is 20 feet left to the road near abandoned concrete foundations. The field intensity measured at this point should not exceed [redacted] 3.7 mv/m.

Direction of 247° true North. Turn around returning on Route 53 to Hooversville, turning left on Charles Street, then left along river on Water Street following river until rail crossing. From this crossing continue 0.8 mile to T intersection. Turn right for 0.8 mile to intersection of Legislative Route 849. Turn right here for 2.0 miles to turnout and dump on left. Point is 40 feet in from the highway at edge of dump at point marker. The field intensity measured at this point should not exceed [redacted] 7.7 mv/m.

Direction of 277° true North. Continue on this road 2.3 miles to T intersection and turn left on Route 601. Follow 601 for 0.9 miles to Legislative Route 55125 on left. Turn left here up hill for 0.9 mile to edge of woods on left. Point is 50 feet in from highway at point marker along edge of woods near woods road. The field intensity measured at this point should not exceed [redacted] 2.5 mv/m.

Direction of 307° true North. Turn around, return to, and cross Route 601 this is Legislative Route 55097. Continue 0.7 mile to left turn on this same numbered route. Continue 2.5 miles to gravel pit in small creek on right. Point is on bank above creek to the right of road at marker approximately 35 feet from highway. The field intensity measured at this point should not exceed 1.3 mv/m.