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March 8, 2023

VIA e-mail submission to Joseph Szczesny, Engineer, Audio Division, Media Bureau

Marlene H. Dortch, Secretary
Federal Communications Commission
45 L Street NE
Washington, DC 20554

Re: Gray Television Licensee, LLC
Cancellation of License BZ-20021004ACZ
WGEM(AM), Quincy, IL (Facility ID No. 54277)

Dear Ms. Dortch:

On behalf of Gray Television Licensee, LLC, licensee of WGEM(AM), Quincy, IL, we hereby request the cancellation of the station license. The station went silent June 24, 2022 and will not return to the air. A reference copy of the license authorization is attached for ease of reference.

Should there be any questions concerning this notification, please contact the undersigned.

Respectfully Submitted,

Joan Stewart

United States of America

FEDERAL COMMUNICATIONS COMMISSION

AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

Gray Television Licensee, LLC
4370 Peachtree Road, NE
Atlanta GA 30319

Son Nguyen
Supervisory Engineer
Audio Division
Media Bureau

Grant Date: June 02, 2003

This license expires 3:00 a.m. local time, December 01, 2004.

Facility Id: 54277

Call Sign: WGEM

License File Number: BZ-20021004ACZ

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.	7:30 AM	5:00 PM	Jul.	4:45 AM	7:30 PM
Feb.	7:00 AM	5:45 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: WGEM License No.: BZ-20021004ACZ

Name of Licensee: Gray Television Licensee, LLC

Station Location: QUINCY, IL

Frequency (kHz): 1440

Station Class: B

Antenna Coordinates:

		Day					
Latitude:	N	39	Deg	58	Min	48	Sec
Longitude:	W	91	Deg	19	Min	24	Sec

		Night					
Latitude:	N	39	Deg	58	Min	48	Sec
Longitude:	W	91	Deg	19	Min	24	Sec

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

Nominal Power (kW): Day: 5.0 Night: 1.0

Antenna Input Power (kW): Day: 5.4 Night: 1.08

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 10 Night: 4.47

Resistance (ohms): Day: 54 Night: 54

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1011394	
2	1011393	

Night:

Tower No.	ASRN	Overall Height (m)
1	1011394	
2	1011392	
3	1011391	
4	1011393	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 643.74 Night: 289.68

Standard RMS (mV/m/km):

Augmented RMS (mV/m/km): Day: 730.69 Night: 330.44

Q Factor: Day: Night:

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	105.4
2	1.0000	70.000	90.0000	67.000	0	105.4

* 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	4.0	32.0	587.41
2	21.0	31.0	426.48
3	36.5	18.0	273.59
4	36.5	10.0	297.73
5	45.5	10.0	225.31
6	54.5	18.0	185.07
7	67.0	25.0	160.93
8	80.0	24.0	193.12
9	92.0	24.0	257.50
10	105.8	27.6	362.10
11	121.0	29.0	502.74
12	135.5	29.0	640.16
13	150.5	30.0	708.11
14	168.0	34.8	812.72
15	185.4	34.8	885.14
16	205.0	39.2	930.20
17	225.0	33.0	949.51
18	241.5	32.6	962.39
19	257.8	27.1	965.61
20	271.3	27.1	973.65
21	285.0	27.2	981.70
22	301.5	33.0	965.61
23	318.0	33.0	909.28

Augmentation Parameters:

Aug No.	Central Azimuth (Deg. T)	Span (Deg.)	Radiation at Central Azimuth (mV/m @ 1 km)
24	334.5	27.0	820.77

Theoretical Parameters:

Night 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	105.4
2	1.0000	180.000	370.0000	346.000	0	105.4
3	1.0000	289.000	90.0000	67.000	1	105.4
4	1.0000	109.000	90.0000	67.000	0	105.4

* 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	0.0	20.0	32.19
2	26.0	21.0	48.28
3	36.5	21.0	57.94
4	67.0	16.0	91.73
5	75.0	16.0	61.16
6	85.0	20.0	51.50
7	95.0	20.0	53.11
8	105.8	21.6	49.89
9	120.0	28.4	96.56
10	135.0	30.0	109.44
11	150.5	29.0	104.61
12	165.0	20.0	83.69
13	170.0	10.0	83.69
14	175.0	10.0	82.08
15	180.0	10.0	78.86
16	185.4	10.8	96.56
17	215.0	20.0	623.14
18	225.0	32.0	772.49
19	241.0	30.0	552.00
20	256.0	10.0	57.94
21	275.0	10.0	633.28

Augmentation Parameters:

Aug No.	Central Azimuth (Deg. T)	Span (Deg.)	Radiation at Central Azimuth (mV/m @ 1 km)
22	285.0	30.0	788.58
23	292.5	15.0	708.11
24	300.0	30.0	587.41
25	334.5	31.0	30.58
26	334.5	10.0	40.23
27	350.0	20.0	35.41

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	0	1
2	-37.5	0.925

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	0	1
2	-119	0.944
3	-119	0.8
4	-7	1.055

Antenna Monitor: POTOMAC INSTRUMENTS AM-19D(210) S/N 1943

Sampling System Approved Under Section 73.68 of the Rules.

Special operating conditions or restrictions:

1 MONITOR POINT DESCRIPTIONS

36.5°- From site proceed 0.32 km east, then left 3.2 km north to US 24, then right 1.85 km to point on north side of highway near large research farm sign, 3.78 km from site, max 91.6 mV/m daytime, max 12 mV/m nighttime.

54.5 - From site proceed 0.32 km east, then turn north 3.2 km to US 24, then right for 4.02 km to road on left, then left 0.16 km to point on right side of road near tree stump just beyond bridge, 5.47 km from site, max 17.8 mV/m nighttime.

67°- From site proceed 4.83 km to cross road, proceed left (north) 2.41 km to road on right, proceed right 100 feet to point in center of road, 5.71 km from site, max 28.9 mV/m daytime.

105.8 - From site proceed east 4.34 km to road on right, turn right and proceed 0.97 km to point, approximately 20 feet west of road opposite a tree and fence corner, 4.51 km from site, max 8.8 mV/m nighttime.

150.5°- From site proceed west 0.48 km, turn left and proceed south 3.2 km to road on left, turn left and proceed 0.32 km, bear right and drive 1.61km south to Highway 104, turn left on Highway 104 and proceed 1.61 km to road on left, turn left and proceed north 0.4 km to road intersection, bear right and proceed 1.1 km to field lane on left where roads bends left, enter lane 50 feet to point, 4.83 km from site, max 15.6 mV/m nighttime.

185.4 - From site proceed west 0.4 km, turn left and proceed south 3.2 km to road on left, turn left and proceed 0.3 km, bear right and proceed 1.2 km to farm lane on left, point is approximately 150 feet into lane, 4.59 km from site, max 20.0 mV/m nighttime.

257.8°- From site proceed west 4.59 km to Highway 96, turn left and proceed south 1.61 km to road on right, turn right and proceed 1.61 km to US 24, proceed west 0.32 km to Riverside Terrace, turn right and proceed approximately 0.24 km to point on west side of street near mailbox #18, 6.68 km from site, max 27.9 mV/m nighttime.

334.5 - From site proceed 0.32 km east, turn left and proceed north for 3.22 km to US 24, turn left and proceed 1.85 km to point on north side of road at drain gutter, 3.46 km from site, max 16.2 mV/m nighttime.

*** END OF AUTHORIZATION ***