



**United States of America**  
**FEDERAL COMMUNICATIONS COMMISSION**  
**AM BROADCAST STATION LICENSE**

Authorizing Official:

Official Mailing Address:

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LARRY LANGFORD, JR.  
 6040 SOUTH BISHOP STREET  
 CHICAGO IL 60636

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Son Nguyen  
 Supervisory Engineer  
 Audio Division  
 Media Bureau

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Facility Id: 36612

Call Sign: WGTO

License File Number: BZ-20091029ACV

Grant Date: January 22, 2010

This license expires 3:00 a.m.  
 local time, October 01, 2012.

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 with Secondary nighttime

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

Jan.	8:15 AM	5:30 PM	Jul.	5:15 AM	8:15 PM
Feb.	7:45 AM	6:15 PM	Aug.	5:45 AM	7:45 PM
Mar.	7:00 AM	6:45 PM	Sep.	6:30 AM	7:00 PM
Apr.	6:00 AM	7:30 PM	Oct.	7:00 AM	6:00 PM
May	5:30 AM	8:00 PM	Nov.	7:30 AM	5:30 PM
Jun.	5:00 AM	8:15 PM	Dec.	8:00 AM	5:15 PM

Callsign: WGTO

License No.: BZ-20091029ACV

Name of Licensee: LARRY LANGFORD, JR.

Station Location: CASSOPOLIS, MI

Frequency (kHz): 910

Station Class: D

Antenna Coordinates:

Day

Latitude: N 41 Deg 57 Min 14 Sec

Longitude: W 86 Deg 00 Min 59 Sec

Night

Latitude: N 41 Deg 57 Min 14 Sec

Longitude: W 86 Deg 00 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: 0.035

Antenna Input Power (kW): Day: 1.08 Night: 0.037

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 4.65 Night: 0.87

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1204670	
2	1204671	

Night:

Tower No.	ASRN	Overall Height (m)
1	1204670	
2	1204671	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 314.28 Night: 58.8

Standard RMS (mV/m/km): Day: 330.16 Night: 61.77

Augmented RMS (mV/m/km):

Q Factor: Day: 10 Night: 1.87

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	90.0
2	0.5000	116.500	90.0000	88.000	0	90.0

\* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

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	90.0
2	0.5000	116.500	90.0000	88.000	0	90.0

\* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	-115.5	0.525
2	0	1

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	-115.5	0.525
2	0	1

Antenna Monitor: GORMAN-REDLICH MODEL CM

Sampling System Approved Under Section 73.68 of the Rules.

Monitoring Points:

Day Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
43	2.34	35.14
133	5.67	10.57

Special operating conditions or restrictions:

- 1 The permittee/licensee in coordination with other users of the site 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.
- 2 Location of Monitor Points:  
  
Direction of 43° true North. From the WGTO(AM) site, proceed north on O'Keefe Road to the intersection of O'Keefe and Kelsey Lake Road approximately 1.75 km. Turn east proceed east on Kelsey 1.15 km. Monitor point is along north edge of Kelsey Lake road at corner of woods.  
  
Direction of 133° true North. From the WGTO(AM) site, proceed south on O'Keefe approximately 3.23 km to Fox Street. Turn east on Fox and proceed to Decatur Street. Turn south on Decatur and proceed 0.82 km to Geneva Road. Turn east on Geneva and proceed 0.48. The reading is to be taken near rear of building.
- 3 Ground system consists of 120 equally spaced, buried, copper radials about the base of each tower, each 82.41 meters in length except where terminated by property boundaries.
- 4 A FM translator is side mounted on tower #2 (ASRN 1204671)

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