



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION CONSTRUCTION PERMIT

Official Mailing Address:

MARION R. WILLIAMS
 115 W. 5TH AVENUE
 GARY IN 46402

Authorizing Official:

Son Nguyen
 Son Nguyen
 Supervisory Engineer
 Audio Division
 Media Bureau

Facility Id: 53057

Grant Date: **OCT 3 - 2018**

Call Sign: WAKE

This permit expires 3:00 a.m.
 local time, 36 months after the
 grant date specified above.

Permit File Number: BP-20180504ABA

Construction permit to move transmitter site, reduce day and night power, change day radiation pattern and change the community of license.

Subject to the provisions of the Communications Act of 1934, as amended, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this permit, the permittee is hereby authorized to construct the radio transmitting apparatus herein described. Installation and adjustment of equipment not specifically set forth herein shall be in accordance with representations contained in the permittee's application for construction permit except for such modifications as are presently permitted, without application, by the Commission's Rules.

Commission rules which became effective on February 16, 1999, have a bearing on this construction permit. See Report & Order, Streamlining of Mass Media Applications, MM Docket No. 98-43, 13 FCC RCD 23056, Para. 77-90 (November 25, 1998); 63 Fed. Reg. 70039 (December 18, 1998).

Pursuant to these rules, this construction permit will be subject to automatic forfeiture unless construction is complete and an application for license to cover is filed prior to expiration. See Section 73.3598.

Equipment and program tests shall be conducted only pursuant to Sections 73.1610 and 73.1620 of the Commission's Rules.

Hours of Operation: Daytime with Secondary nighttime

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

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

Callsign: WAKE

Permit No.: BP-20180504ABA

Name of Permittee: MARION R. WILLIAMS

Station Location: HOBART, IN

Frequency (kHz): 1500

Station Class: D

Antenna Coordinates:

Day

Latitude: N 41 Deg 32 Min 20 Sec
Longitude: W 87 Deg 17 Min 59 Sec

Night

Latitude: N 41 Deg 32 Min 20 Sec
Longitude: W 87 Deg 17 Min 59 Sec

Critical

Latitude: N 41 Deg 32 Min 20 Sec
Longitude: W 87 Deg 17 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: 0.25 Night: 0.008 Critical: 0.190

Antenna Mode: Day: DA Night: ND Critical: DA

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

Antenna Registration Number(s) :

Day:

Tower No.	ASRN	Power
1	None	56.1
2	None	56.1
3	None	56.1

Night:

Tower No.	ASRN	Power
1	None	56.1

Critical:

Tower No.	ASRN	Power
1	None	56.1
2	None	56.1
3	None	56.1

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DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km) : Day: 165.673

Critical: 144.431

Standard RMS (mV/m/km) : Day: 174.273

Critical: 152.016

Augmented RMS (mV/m/km) :

Q Factor: Day:

Critical:

Theoretical Parameters:

Day Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	0.6000	120.000	0.0000	0.000	0	98.8
2	1.0000	0.000	90.0000	110.000	0	98.8
3	0.5000	-125.000	180.0000	110.000	0	98.8

* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Theoretical Parameters:

Critical Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	0.6000	120.000	0.0000	0.000	0	98.8
2	1.0000	0.000	90.0000	110.000	0	98.8
3	0.5000	-125.000	180.0000	110.000	0	98.8

* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

Non-Directional Antenna: Night

Radiator Height: 54.9 meters; 98.8 deg

Theoretical Efficiency: 311.458 mV/m/kw at 1km

Inverse Distance Field Strength:

The inverse distance field strength at a distance of one kilometer from the above antenna in the directions specified shall not exceed the following values:

Day:

Azimuth:	Radiation:
223	17.2 mV/m
266	10.5 mV/m
314	10.5 mV/m
357	17.2 mV/m

Critical:

Azimuth:	Radiation:
223	15.9 mV/m
266	10.5 mV/m
314	10.5 mV/m
357	15.9 mV/m

Special operating conditions or restrictions:

- 1 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.
- 2 Permittee shall install a type accepted transmitter, or submit application (FCC Form 301) along with data prescribed in Section 73.1660 (b) should non-type accepted transmitter be proposed.
- 3 Prior to construction of the tower authorized herein, permittee shall notify AM Station WLTH(AM), Gary, IN (Facility ID #38402) so that, if necessary that AM station: may determine operating power by a method described in Section 73.51(a) (1) or (d), and/or request temporary authority from the Commission in Washington, D.C. to operate with parameters at variance in order to maintain monitoring point field strengths within authorized limits. Permittee shall be responsible for installation and continued maintenance of detuning apparatus necessary to prevent adverse effects upon the radiation pattern of the AM station. Both prior to construction of the tower and subsequent to the installation of all appurtenances thereon, a partial proof of performance, as defined by Section 73.154(a) of the Commission's Rules, shall be conducted to establish that the AM array has not been adversely affected and prior to or simultaneous with the filing of the application for license to cover this permit, the results submitted to the Commission.

Special operating conditions or restrictions:

4 The permittee must submit a proof of performance as set forth in either Section 73.151(a) or 73.151(c) of the rules before program tests are authorized.

A proof of performance based on field strength measurements, per Section 73.151(a), shall include a complete nondirectional proof of performance, in addition to a complete proof on the day directional antenna system. The nondirectional and directional field strength measurements must be made under similar environmental conditions. The proof(s) of performance submitted to the Commission must contain all of the data specified in Section 73.186 of the rules. Permittees who elect to submit a moment method proof of performance, as set forth in Section 73.151(c), must use series-fed radiators. In addition, the sampling system must be constructed as described in Section 73.151(c) (2) (1).

5 A license application (FCC Form 302) to cover this construction permit must be filed with the Commission pursuant to Section 73.3536 of the Rules before the permit expires.

6 Before program tests are authorized, permittee shall submit a proof of performance to establish that the proposed radiation pattern is essentially omnidirectional. The proof shall include at least six approximately equally-spaced radials with sufficient close-in points that the inverse distance fields can be clearly established. This is necessary because of the nearby WLTN (AM) towers.

7 Ground System Description:
Ground system consists of 120 equally spaced, buried copper radials extending out from each tower base 48.8 meters and terminated at the property boundary. Where ground system wires from separate towers intersect, the wires are terminated in a crossing ground strap perpendicular to the line of towers.

8 ***NOTE TO PERMITTEE***
Notwithstanding the grant of this construction permit or the expiration date specified herein, your station's license will automatically expire as a matter of law on 4/10/19 if the station has not resumed broadcasting before that time. See Pub. Law No. 104-104, 110 Stat. 56, Section 403(1) (1996) and Order, Silent Station Authorizations, FCC 96-218 (released May 17, 1996). See also Public Notice, Expedited Processing of Applications Filed By Silent Stations, DA 96-818 (May 22, 1996).
Upon resumption of broadcasting, the licensee must notify the Commission. This notice will be in addition to an application for a license to cover this permit.

9 Pursuant to 47 CFR Section 73.3571(k)(1), an AM applicant, permittee, or licensee that has received a dispositive Section 307(b) preference based on proposed service to underserved populations (under Priority (1), Priority (2), or Priority (4)), or service totals (under Priority (4)) is required to construct and operate for a period of four years of on-air operations technical facilities substantially equivalent to the service area on which the Section 307(b) preference was based.

*** END OF AUTHORIZATION ***