



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

IHM LICENSES, LLC
7136 S. YALE AVENUE
SUITE 501
TULSA OK 74136

Son Nguyen
Supervisory Engineer
Audio Division
Media Bureau

Facility Id: 13669

Call Sign: WNIO

License File Number: BL-20030317MYA

Grant Date: July 10, 2003

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

License to cover BP-20020313AAE as modified by BMP-20030305AAX to add
three nighttime augmentations.

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	8:00 PM
Feb.	7:15 AM	6:00 PM	Aug.	5:30 AM	7:30 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.	7:15 AM	5:00 PM
Jun.	4:45 AM	8:00 PM	Dec.	7:45 AM	5:00 PM

Name of Licensee: IHM LICENSES, LLC

Station Location: YOUNGSTOWN, OH

Frequency (kHz): 1390

Station Class: B

Antenna Coordinates:

Day

Latitude: N 41 Deg 07 Min 17 Sec

Longitude: W 80 Deg 42 Min 05 Sec

Night

Latitude: N 40 Deg 59 Min 11 Sec

Longitude: W 80 Deg 35 Min 54 Sec

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

Nominal Power (kW): Day: 9.5 Night: 4.8

Antenna Input Power (kW): Day: 9.5 Night: 5.18

Antenna Mode: Day: ND Night: DA

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

Current (amperes): Day: 10.83 Night: 10.18

Resistance (ohms): Day: 81 Night: 50

Non-Directional Antenna: Day

Radiator Height: 55 meters; 91.8 deg

Theoretical Efficiency: 307.38 mV/m/kw at 1km

Antenna Registration Number(s):

Day:

Tower No.	ASRN	
1	None	56

Night:

Tower No.	ASRN	Overall Height (m)
1	1219361	
2	1219362	
3	1219363	
4	1219432	
5	1219364	
6	1219460	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Night: 890.7
 Standard RMS (mV/m/km):
 Augmented RMS (mV/m/km): Night: 935.93
 Q Factor: Night:

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	0.9340	-100.500	0.0000	0.000	0	215.1
2	1.0000	0.000	106.7000	132.000	0	199.9
3	0.3770	96.800	187.8000	148.700	0	220.2
4	0.8550	-106.400	201.2000	260.300	0	194.8
5	0.9500	5.300	169.1000	233.900	0	194.8
6	0.2060	58.200	322.5000	102.100	0	105.8

* 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	181.5	20.0	60.50
2	223.5	20.0	97.20
3	261.5	20.0	349.70

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	-98.6	0.877
2	0	1
3	98	0.332
4	-106.8	0.867
5	1	1.106
6	63.2	0.194

Antenna Monitor: POTOMAC INSTRUMENTS 1901-6

Sampling System Approved Under Section 73.68 of the Rules.

Special operating conditions or restrictions:

1 MONITOR POINT DESCRIPTIONS

47.5° - Point located directly across from driveway of 7400 Struthers Road, 3.94 km from site, max 7.0 mV/m nighttime.

86° - From intersection of Arrel and Kansas Road, proceed right on Kansas 0.8 km to point, 4.66 km from site, max 19.9 mV/m nighttime.

139.5° - From intersection of Middleton Road and Brungard Road, turn left and proceed 0.32 km to point at power pole, 4.4 km from site, max 20.2 mV/m nighttime.

181.5° - Point located in driveway of 2800 South Range Road, 4.78 km from site, max 7.6 mV/m nighttime.

223.5° - Point located in driveway of 952 Middleton Road, 4.3 km from site, max 6.2 mV/m nighttime.

288° - Point located in driveway to 8080 Aquadale Drive, 6.15 km from site, max 13.2 mV/m nighttime.

*** END OF AUTHORIZATION ***