



United States of America  
FEDERAL COMMUNICATIONS COMMISSION  
AM BROADCAST STATION LICENSE

Official Mailing Address:

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LANSER BROADCASTING CORPORATION  
5658 143RD AVE.  
HOLLAND, MI 49423  
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Authorizing Official

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*Son Nguyen*  
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Son Nguyen  
Supervisory Engineer  
Audio Services Division  
Mass Media Bureau

Call Sign: WWJQ

Grant Date: **JAN 20 1999**

License File No.: BL-981110AA

This license expires 3:00 a.m.  
Local time, October 1, 2004

This license covers Permit No.: 951207AB

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.	8:15 a.m.	5:30 p.m.	Jul.	5:15 a.m.	8:15 p.m.
Feb.	7:45 a.m.	6:15 p.m.	Aug.	5:45 a.m.	7:45 p.m.
Mar.	7:00 a.m.	6:45 p.m.	Sep.	6:30 a.m.	7:00 p.m.
Apr.	6:00 a.m.	7:30 p.m.	Oct.	7:00 a.m.	6:00 p.m.
May	5:30 a.m.	8:00 p.m.	Nov.	7:30 a.m.	5:15 p.m.
Jun.	5:00 a.m.	8:30 p.m.	Dec.	8:15 a.m.	5:15 p.m.

Licensee: LANSER BROADCASTING CORPORATION

Station Location: ZEELAND, MI

Frequency (kHz): 1260

Station Class: B

Transmitter Location:

MI - 5658 143rd Avenue, Holland.

Latitude: N 42° 43' 56"

Longitude: W 86° 6' 6"

Main Studio Location: (See Section 73.1125)

MI - 5658 143rd Avenue, Holland.

Nominal Power (kW): Day: 10 Night: 1.0

Antenna Input Power (kW): Day: 10.530 Night: 1.080

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 15.50 Night: 4.65

Resistance (ohms): Day: 43.80 Night: 50.00

Antenna Description:

Four(4), vertical, guyed, series-excited steel radiators of uniform cross section.

Ground System Description:

120 equally spaced, buried, copper radials about the base of each tower, each 59.5 meters in length except where terminated by property boundaries about the base of each tower.

Antenna Registration Number(s):

Daytime:

Twr No.	ASRN
1	1007383
2	1007382

Nighttime:

Twr No.	ASRN
1	1007380
2	1007381
3	1007382

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m @ 1km):	Day: 985.72	Night: 329.79
Standard RMS (mV/m @ 1km):	Day: 1035.54	Night: 346.64
Q Factor:	Day: 31.62	Night: 15.13

Theoretical Parameters:

Daytime Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref. Switch *	Height (Deg.)
1	0.4500	-111.000	90.000	78.000	0	87.6
2	1.0000	0.000	0.000	0.000	0	87.6

Nighttime Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref. Switch *	Height (Deg.)
1	1.0000	0.000	0.000	0.000	0	87.6
2	1.6500	147.500	80.000	190.500	0	87.6
3	1.0000	-65.000	160.000	190.500	0	87.6

\* Tower Reference Switch:

- 0 = Spacing and orientation from reference tower
- 1 = Spacing and orientation from previous tower

Operating Parameters:

Daytime Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio	Antenna Base Current Ratio
1	-111.00	0.490	0.483
2	0.00	1.000	1.000

Nighttime Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio	Antenna Base Current Ratio
1	-150.00	0.648	0.614
2	0.00	1.000	1.000
3	143.00	0.678	0.634

Antenna Monitor: Potomac Instruments AM-19(204) (separate day&night)

Sampling System Approved Under Section 73.68(b) of the Rules.

Monitoring Points:

Daytime Operation:

Radial (Deg. T)	Distance From Transmitter (km)	Maximum Field Strength (mV/m)
218.0	5.00	79.30
298.0	3.18	139.10

Nighttime Operation:

Radial (Deg. T)	Distance From Transmitter (km)	Maximum Field Strength (mV/m)
99.0	2.20	3.10
157.0	2.49	6.60
224.0	3.23	4.23
282.0	2.82	4.67

Special Operating Conditions or Restrictions:

None Required

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