United States of America

FEDERAL COMMUNICATIONS COMMISSION

AM BROADCAST STATION LICENSE

Official Mailing Address:

MORRIS B/C COMPANY OF N. J. INC.
1842 SOUTH BROAD STREET
TRENTON, NJ 08610

Authorizing Official

Son Nguyen
Supervisory Engineer AM Branch
Audio Services Division
Mass Media Bureau

Call Sign: WIMG
FAC ID: 14635
License File No.: BZ-961224AD

Grant Date: DEC 1 1 1997

This license expires 3:00 a.m.
Local time, June 1, 1998

Direct Measurement of Power

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.	7:15 a.m.	5:00 p.m.	Jul.	4:45 a.m.	7:30 p.m.
Feb.	7:00 a.m.	5:30 p.m.	Aug.	5:15 a.m.	7:00 p.m.
Mar.	6:15 a.m.	6:00 p.m.	Sep.	5:45 a.m.	6:15 p.m.
Apr.	5:30 a.m.	6:45 p.m.	Oct.	6:15 a.m.	5:15 p.m.
May	4:45 a.m.	7:15 p.m.	Nov.	6:45 a.m.	4:45 p.m.
Jun.	4:30 a.m.	7:30 p.m.	Dec.	7:15 a.m.	4:30 p.m.

Licensee: MORRIS B/C COMPANY OF N. J. INC.

Nighttime:

Twr No.	Overall Height (m)	Marking and Lighting Specifications FCC Form 715, Paragraphs
1	92.4	1,3,12,21&22
2	92.4	1,3,12,21&22
3	92.4	1,3,12,21&22
4	92.4	1,3,12,21&22

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m @ 1km): Day: 689.50 Night: 457.00

Augmented RMS (mV/m @ 1km): Day: 724.99 Night: 480.28

Q Factor: Day: 21.06 Night: 15.24

Theoretical Parameters:

Daytime Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref. Switch *	Height (Deg.)
1	0.6600	117.300	0.000	0.000	0	TL/S
2	0.8250	13.200	90.000	132.500	0	TL/S
3	0.8000	104.100	184.000	52.500	0	TL/S
4	1.0000	0.000	218.400	76.400	0	TL/S

Top-Loaded/Sectionalized Tower Parameters: (See 47 CFR § 73.160)

Tower No.	A	B	C	D
1	142.6	71.30	0.00	0.00
2	142.6	71.30	0.00	0.00
3	142.6	71.30	0.00	0.00
4	142.6	71.30	0.00	0.00

Augmentation Parameters

Aug No.	Central Azimuth (Deg. T)	Span (Deg.)	Radiation at Central Azimuth (mV/m @ 1 km)
1.	46.5	20.0	190.00
2.	208.5	20.0	170.00
3.	260.0	20.0	105.00
4.	348.5	10.0	177.00

Nighttime Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio	Antenna Base Current Ratio
1	-117.20	0.874	0.732
2	73.50	0.912	0.951
3	164.50	0.908	0.774
4	0.00	1.000	1.000

Type of Precision Antenna Monitor: PMA-19 Precision Adaptor SN552

Precision Monitor Adapter Readings:

Twr. No.	Sample Current Deviation (%)	Attenuator Values
1	0.0	7.68
2	0.0	7.40
3	0.0	28
4	0.0	6.64

Operating Variations:

Phase indications shall not deviate more than [±1.10] degrees from the above values.

Base current ratios shall not deviate more than [±5.00] percent from the above values.

Sample current ratios shall not deviate more than [±1.90] percent from the above values.

Antenna Monitor: Potomac Instrument AM19(204) SN146

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)
13.5	3.25	27.00
46.5	3.00	34.50
208.5	2.75	38.10
260.0	4.70	14.90
348.5	5.51	10.40

PARAGRAPH 12.0, FCC FORM 715 (APRIL 1985):
On levels at approximately two-thirds and one-third of the over-all height of the tower, there shall be installed at least two 116- or 125-watt lamps (A21/TS) enclosed in aviation red obstruction light globes. Each light shall be mounted so as to insure unobstructed visibility of at least one light at each level from aircraft at any normal angle of approach.

PARAGRAPH 21.0, FCC FORM 715 (APRIL 1985):
All lighting shall burn continuously or shall be controlled by a light sensitive device adjusted so that the lights will be turned on at a north sky light intensity level of about 35 foot candles and turned off at a north sky light intensity level of about 58 foot candles.

PARAGRAPH 22.0, FCC FORM 715 (APRIL 1985):
During construction of an antenna structure, for which obstruction lighting is required, at least two 116- or 125-watt lamps (A21/TS) enclosed in aviation red obstruction light globes, shall be installed at the uppermost point of the structure. In addition, as the height of the structure exceeds each level at which permanent obstruction lights will be required, two similar lights shall be displayed nightly from sunset to sunrise until the permanent obstruction lights have been installed and placed in operation, and shall be positioned so as to insure unobstructed visibility of at least one of the lights at any normal angle of approach. In lieu of the above temporary warning lights, the permanent obstruction lighting fixtures may be installed and operated at each required level as each such level is exceeded in height during construction.

*** END OF AUTHORIZATION ***

Station Location: EWING, NJ

Frequency (kHz): 1300

Station Class: B

Transmitter Location:
PA - .72 km SW. of intersection of Route 32 & 532, near
Washington Crossing

Latitude: N 40° 17' 16"
Longitude: W 74° 52' 23"

Main Studio Location: (See Section 73.1125)
NJ - 1842 South Broad Street, Trenton

Nominal Power (kW): Day: 3.2 Night: 1.3

Antenna Input Power (kW): Day: 5.160 Night: 2.260

Antenna Mode: Day: DA Night: DA

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

Current (amperes): Day: 9.96 Night: 6.59

Resistance (ohms): Day: 52.00 Night: 52.00

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 57.9 meters in length except where terminated by property boundaries or where intersecting radials are shortened and bonded to a transverse copper strap midway between adjacent towers, plus 120 interspersed radials 15.2 meters in length about the base of each tower.

Painting and Lighting Specifications:

Daytime:

Twr No.	Overall Height (m)	Marking and Lighting Specifications FCC Form 715, Paragraphs
1	92.4	1,3,12,21&22
2	92.4	1,3,12,21&22
3	92.4	1,3,12,21&22
4	92.4	1,3,12,21&22

Nighttime Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref. Switch *	Height (Deg.)
1	0.8100	-117.000	0.000	0.000	0	TL/S
2	0.9000	79.000	90.000	132.500	0	TL/S
3	0.9000	164.000	184.000	52.500	0	TL/S
4	1.0000	0.000	218.400	76.400	0	TL/S

* Tower Reference Switch:
0 = Spacing and orientation from reference tower
1 = Spacing and orientation from previous tower

Top-Loaded/Sectionalized Tower Parameters: (See 47 CFR § 73.160)

Tower No.	A	B	C	D
1	142.6	71.30	0.00	0.00
2	142.6	71.30	0.00	0.00
3	142.6	71.30	0.00	0.00
4	142.6	71.30	0.00	0.00

Augmentation Parameters

Aug No.	Central Azimuth (Deg. T)	Span (Deg.)	Radiation at Central Azimuth (mV/m @ 1 km)
1.	175.5	20.0	87.00
2.	289.2	10.0	45.70

Operating Parameters:

Daytime Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio	Antenna Base Current Ratio
1	112.70	0.677	0.423
2	7.30	0.856	0.987
3	108.90	0.840	0.564
4	0.00	1.000	1.000

Nighttime Operation:

Radial (Deg. T)	Distance From Transmitter (kM)	Maximum Field Strength (mV/m)
32.5	3.50	7.50
175.5	3.45	18.30
232.5	5.54	8.20
289.2	3.30	14.60

Special Operating Conditions or Restrictions:

None Required

Obstruction marking and lighting specifications for antenna structure(s):

It is to be expressly understood that the issuance of these specifications is in no way to be considered as precluding additional or modified marking or lighting as may hereafter be required under the provisions of Section 303(q) of the Communications Act of 1934, as amended.

PARAGRAPH 01.0, FCC FORM 715 (OCTOBER 1985):
Antenna structures shall be painted throughout their height with alternate bands of aviation surface orange and white, terminating with aviation surface orange bands at both top and bottom. The width of the bands shall be equal and approximately one-seventh the height of the structure, provided however, that the bands shall not be more than 100 feet nor less than 1 and 1/2 feet in width. All towers shall be cleaned and repainted as often as necessary to maintain good visibility.

PARAGRAPH 03.0, FCC FORM 715 (APRIL 1985):
There shall be installed at the top of the structure one 300 m/m electric code beacon equipped with two 620- or 700-watt lamps (PS-40, Code Beacon type), both lamps to burn simultaneously, and equipped with aviation red color filters. Where a rod or other construction of not more than 20 feet in height and incapable of supporting this beacon is mounted on top of the structure and it is determined that this additional construction does not permit unobstructed visibility of the code beacon from aircraft at any normal angle of approach, there shall be installed two such beacons positioned so as to insure unobstructed visibility of at least one of the beacons from aircraft at any normal angle of approach. The beacons shall be equipped with a flashing mechanism producing not more than 40 flashes per minute nor less than 12 flashes per minute with a period of darkness equal to approximately one-half of the luminous period.