



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

Authorizing Official:

Official Mailing Address:

M-10 BROADCASTING, INC.  
PENTHOUSE  
1205 YORK ROAD  
LUTHERVILLE-TIMONIUM MD 21093

Son Nguyen  
Supervisory Engineer  
Audio Division  
Media Bureau

Facility Id: 27691

Call Sign: WQLL

Permit File Number: BP-20100119ACG

Grant Date: June 29, 2010

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

Permit to increase nighttime power using new pattern.

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: Unlimited

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

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

Callsign: WQLL

Permit No.: BP-20100119ACG

Name of Permittee: M-10 BROADCASTING, INC.

Station Location: PIKESVILLE, MD

Frequency (kHz): 1370

Station Class: B

Antenna Coordinates:

Day

Latitude: N 39 Deg 26 Min 23 Sec

Longitude: W 76 Deg 21 Min 20 Sec

Night

Latitude: N 39 Deg 24 Min 29 Sec

Longitude: W 76 Deg 46 Min 32 Sec

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

Nominal Power (kW): Day: 50.0 Night: 24.0

Antenna Mode: Day: DA Night: DA

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

Antenna Registration Number(s):

Day:

Tower No.	ASRN	
1	None	60
2	None	60
3	None	60
4	None	60
5	None	60
6	None	60

Night:

Tower No.	ASRN	
1	None	60.8
2	None	60.5
3	None	60.5
4	None	60.5
5	None	60.5
6	None	60.9

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 2542.02 Night: 1723.3

Standard RMS (mV/m/km): Night: 1810.19

Augmented RMS (mV/m/km): Day: 2670.66

Q Factor: Day: Night:

Theoretical Parameters:

Day Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	0.4000	133.500	0.0000	0.000	0	96.0
2	1.0000	0.000	89.4000	220.100	0	96.0
3	0.8930	246.000	167.9000	221.000	0	96.0
4	0.9050	171.600	245.4000	221.700	0	96.0
5	0.9220	56.200	335.8000	221.000	0	96.0
6	0.3700	281.100	422.9000	220.400	0	96.0

\* 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	24.0	69.0	100.00
2	142.5	20.0	240.70
3	331.0	31.0	192.90

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	97.5
2	1.8010	-141.100	73.5000	131.400	0	97.5
3	1.3450	89.900	180.5000	130.300	0	97.5
4	1.2930	-2.000	360.0000	127.000	0	97.5
5	1.2680	-138.300	446.9000	127.000	0	97.5
6	0.4800	91.300	540.0000	127.000	0	97.5

\* Tower Reference Switch

0 = Spacing and orientation from reference tower

1 = Spacing and orientation from previous tower

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:

Night:

Azimuth:	Radiation:	
37	83.72	mV/m
50	52.32	mV/m
199	257.27	mV/m
230.5	93.8	mV/m
247.5	58.13	mV/m
290.5	52.18	mV/m
355.5	51.47	mV/m

Special operating conditions or restrictions:

- 1 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 (night) 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) (i).
- 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 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.

Special operating conditions or restrictions:

- 4 Licensee shall be responsible for satisfying all reasonable complaints of blanketing interference within the 1 V/m contour as required by Section 73.88 of the Commission's rules.
  
- 5 Ground system consists of 120 equally spaced, buried, copper radials about the base of each tower, each 54.7 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.

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