



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

Authorizing Official:

Official Mailing Address:

ASTRO ENTERPRISES, INC.
1150 WEST KING STREET
COCOA FL 32922

Son Nguyen
Supervisory Engineer
Audio Division
Media Bureau

Grant Date: May 04, 2004

Facility Id: 3071

Call Sign: WWBC

Permit File Number: BP-20040109AAO

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

Permit to change from ND to DA daytime and add new DA critical hours
facility.

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

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

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

Callsign: WWBC

Permit No.: BP-20040109AAO

Name of Permittee: ASTRO ENTERPRISES, INC.

Station Location: COCOA, FL

Frequency (kHz): 1510

Station Class: D

Antenna Coordinates:

Day

Latitude: N 28 Deg 21 Min 12 Sec

Longitude: W 80 Deg 46 Min 45 Sec

Critical

Latitude: N 28 Deg 21 Min 12 Sec

Longitude: W 80 Deg 46 Min 45 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 Critical: 25.0

Antenna Mode: Day: DA Critical: DA

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

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1027199	
2	None	45.4

Critical:

Tower No.	ASRN	Overall Height (m)
1	1027199	
2	None	45.4

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 2294.35 Critical: 1622.35
 Standard RMS (mV/m/km): Day: 2409.07 Critical: 1703.47
 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	1.0000	0.000	0.0000	0.000	0	143.7
2	0.9500	-124.000	60.0000	110.000	0	80.0

* 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	1.0000	0.000	0.0000	0.000	0	143.7
2	0.9500	-124.000	60.0000	110.000	0	80.0

* 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:

Day:

Azimuth:	Radiation:
269	138.76 mV/m
311	138.76 mV/m

Special operating conditions or restrictions:

- 1 A complete nondirectional proof of performance, in addition to a complete proof on the daytime directional antenna system, shall be submitted before program tests are authorized. The nondirectional and directional field strength measurements must be made under similar environmental conditions.
- 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 Applicant must submit the information required pursuant to 47 CFR Section 73.99(e) if a Presunrise (PSRA) and/or Postsunset Authorization (PSSA) is desired after a license to cover this permit has been granted. Licensee may not utilize any previous PSRA/PSSA for this station because it was based upon the old ND licensed facility, not the new DA facility.
- 4 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.
- 5 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.
- 6 Prior to construction of the tower authorized herein, permittee shall notify AM Station WTIR (COCOA BEACH, FL, 1300 kHz, DA-2) and WMMV (COCOA, FL, 1350 kHz, DA-N) 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 arrays have 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.

*** END OF AUTHORIZATION ***