



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

Authorizing Official:

Official Mailing Address:

CBS RADIO EAST, LLC  
 401 E. CITY AVENUE  
 SUITE 809  
 BALA CYNWYD PA 19004

Son Nguyen  
 Son Nguyen  
 Supervisory Engineer  
 Audio Division  
 Media Bureau

Facility Id: 9631

Call Sign: WBBM

Permit File Number: BP-20171011AAC

Grant Date: **FEB 15 2018**  
 This permit expires 3:00 a.m.  
 local time, 36 months after the  
 grant date specified above.

Permit to change site, power, efficiency, and co-locate with WSCR(AM).

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

Callsign: WBBM

Permit No.: BP-20171011AAC

Name of Permittee: CBS RADIO EAST, LLC

Station Location: CHICAGO, IL

Frequency (kHz): 780

Station Class: A

Antenna Coordinates:

Day

Latitude: N 41 Deg 56 Min 03 Sec  
Longitude: W 88 Deg 04 Min 22 Sec

Night

Latitude: N 41 Deg 56 Min 03 Sec  
Longitude: W 88 Deg 04 Min 22 Sec

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

Nominal Power (kW): Day: 35.0 Night: 42.0

Antenna Mode: Day: ND Night: ND

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

Antenna Registration Number(s):

Day:

Tower No. ASRN Overall Height (m)  
1 1013848

Night:

Tower No. ASRN Overall Height (m)  
1 1013848

Non-Directional Antenna: Day

Radiator Height: 226 meters; 211.7 deg  
Theoretical Efficiency: 430.02 mV/m/kw at 1km

Non-Directional Antenna: Night

Radiator Height: 226 meters; 211.7 deg  
Theoretical Efficiency: 430.02 mV/m/kw at 1km

Special operating conditions or restrictions:

- 1 Permitee 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.
  
- 2 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.
  
- 3 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.
  
- 4 Before program tests are authorized, sufficient data shall be submitted to show that adequate filters, traps and other equipment has been installed and adjusted to prevent interaction, intermodulation and/or generation of spurious radiation products which may be caused by common usage of the same antenna system by Stations WBBM and WSCR (ID# 71299), and there shall be filed with the license application copies of a firm agreement entered into by the stations involved clearly fixing the responsibility of each with regard to the installation and maintenance of such equipment. In addition, field observations shall be made to determine whether spurious emissions exist and any objectionable problems resulting therefrom shall be eliminated. Following construction, and prior to authorization of program test under this grant, both stations shall each measure antenna or common point resistance and submit FCC Form 302 as application notifying the return to direct measurement of power
  
- 5 The proposed ground system consists of 120 evenly spaced, buried, copper radials 213.4 meters in length, except where truncated by property boundaries, plus an additional 120 Interspersed radials 15.2 meters to 21.6 meters in length, about the base of the tower.

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