United States of America

FEDERAL COMMUNICATIONS COMMISSION

AM BROADCAST STATION CONSTRUCTION PERMIT

Official Mailing Address:

UNIVERSITY OF MASSACHUSETTS
100 MORRISSEY BOULEVARD
BOSTON MA 02125

Authorizing Official:

Son Nguyen
Supervisory Engineer
Audio Division
Media Bureau

Grant Date: August 12, 2020

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

Facility Id: 8591

Call Sign: WFPB

Permit File Number: BP-20200511AAR

Change transmitter location and deploy a HEBA antenna.

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

Name of Permittee: UNIVERSITY OF MASSACHUSETTS

Station Location: ORLEANS, MA

Frequency (kHz): 1170

Station Class: D

Antenna Coordinates:

	Day					
Latitude:	N	41	Deg	46	Min	44 Sec
Longitude:	W	70	Deg	00	Min	30 Sec

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

Nominal Power (kW): Day: 1.0

Antenna Mode: Day: ND

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

Antenna Registration Number(s):

Day:

Tower No.	ASRN	
1	None	18.3

Non-Directional Antenna: Day

Radiator Height: 14.7 meters; 37.5 deg

Theoretical Efficiency: 268 mV/m/kw at 1km

Special operating conditions or restrictions:

1 Antenna is a WorldWide Antenna Systems LLC HEBA antenna with a tapered cylinder and a metallic disc mounted on a non-conductive platform and excited separately, along with an 11 X 11 m copper sheathing conductive ground plane attached to the bottom of the platform, with copper strap extending from the sheathing to ground rods along the perimeter of the platform supports.

Special operating conditions or restrictions:

2 Licensee 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.

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 Before program tests are authorized, permittee shall dismantle the unused antenna towers, or in lieu thereof, submit a proof of performance to establish that the proposed radiation pattern is essentially omnidirectional. The proof shall include at least six approximately equally-spaced radials with sufficient close-in points that the inverse distance fields can be clearly established.

6 Before program tests are authorized, permittee shall submit sufficient data to establish that the inverse distance field at one kilometer is essentially 268 mV/m/kM/KW, as proposed.

*** END OF AUTHORIZATION ***