United States of America

FEDERAL COMMUNICATIONS COMMISSION

AM BROADCAST STATION CONSTRUCTION PERMIT

Authorizing Official:

Official Mailing Address:

WASHINGTON DC FCC LICENSE SUB, LLC
3415 UNIVERSITY AVENUE, WEST
ST. PAUL MN 55114

Edward P. De La Hunt
Associate Chief
Audio Division
Media Bureau

Grant Date: May 30, 2001

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

Facility Id: 74120

Call Sign: WFED

Permit File Number: BP-19900328AG

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	5:15 PM	Jul.	5:00 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	5:00 PM
Jun.	4:45 AM	7:30 PM	Dec.	7:15 AM	4:45 PM

Callsign: WFED Permit No.: BP-19900328AG

Name of Permittee: WASHINGTON DC FCC LICENSE SUB, LLC

Station Location: WASHINGTON, DC

Frequency (kHz): 1500

Station Class: A

Antenna Coordinates:

		Day			
Latitude:	N	39 Deg	02 Min	30 Sec	
Longitude:	W	77 Deg	02 Min	45 Sec	

		Night			
Latitude:	N	39 Deg	02 Min	30 Sec	
Longitude:	W	77 Deg	02 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 Night: 50.0

Antenna Mode: Day: DA Night: DA

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

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1053549	
2	1053550	
3	1053551	

Night:

Tower No.	ASRN	Overall Height (m)
1	1053549	
2	1053550	
3	1053551	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 2655.42 Night: 2719.36

Standard RMS (mV/m/km): Night: 2856.29

Augmented RMS (mV/m/km): Day: 2809.4

Q Factor: Day: 70.71 Night: 70.71

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	185.0
2	0.5650	-67.000	87.3000	114.500	0	185.0
3	0.4190	-139.000	87.3000	114.500	1	185.0

* 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	0.0	51.0	1287.48
2	37.5	25.0	3250.87
3	190.0	20.0	3339.39
4	242.0	24.0	1287.48
5	254.5	20.0	1287.48
6	334.5	20.0	1287.48
7	347.0	26.0	1287.48

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	1.0000	-65.000	0.0000	0.000	0	185.0
2	1.7000	13.000	87.3000	294.500	0	185.0
3	1.0000	65.000	174.6000	294.500	0	185.0

* 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:

Night:

Azimuth:	Radiation:	
114.5	3909.5	mV/m
272.5	430.2	mV/m
294.5	448.5	mV/m
316.5	430.2	mV/m

Special operating conditions or restrictions:

1 A complete nondirectional proof of performance, in addition to a complete proof on the nighttime 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 The permittee must accept skywave interference to the nighttime facilities authorized herein from the operation of Station KSTP, as authorized by Construction Permit BP-19900329AF. The nighttime 0.5 mV/m, 50% skywave secondary service contour will be protected from objectionable interference from other stations on a single-limit basis as provided in Section 73.182, except that such protection will not be provided within the areas where interference to WTOP from Station KSTP is predicted to occur. The nighttime groundwave primary service contour will be protected on a root-sum-square (RSS) basis, 25% exclusion method, from interference caused by other stations above the single limit imposed by Station KSTP, which is assumed to be 2.5 mV/m. See letter from Acting Chief, Audio Services Division to Thomas J. Hutton, Esq. et al, May 30, 2001.

*** END OF AUTHORIZATION ***