



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

Authorizing Official:

Official Mailing Address:

EDUCATIONAL MEDIA FOUNDATION
5700 WEST OAKS BOULEVARD
ROCKLIN CA 95765

Dale E. Bickel
Senior Engineer
Audio Division
Media Bureau

Facility ID: 22014

Grant Date: April 20, 1990

Call Sign: WOFM

The authority granted herein has no effect on the expiration date of the underlying construction permit.

Permit File Number: BMPED-19881130IC

This permit modifies Permit No.: 840911IA
as extended by Permit No.: 880614JO

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.

Name of Permittee: EDUCATIONAL MEDIA FOUNDATION

Station Location: TN-ALCOA

Frequency (MHz): 89.1

Channel: 206

Class: A

Hours of Operation: Unlimited

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

Transmitter output power: As required to achieve authorized ERP.

Antenna type: Non-Directional

Antenna Coordinates: North Latitude: 35 deg 47 min 47 sec
West Longitude: 83 deg 56 min 17 sec

	Horizontally Polarized Antenna	Vertically Polarized Antenna
Effective radiated power in the Horizontal Plane (kW):	.080	3.00
Height of radiation center above ground (Meters):	50	50
Height of radiation center above mean sea level (Meters):	327	327
Height of radiation center above average terrain (Meters):	31	31

Antenna structure registration number: Not Required

Overall height of antenna structure above ground: 53 Meters

Obstruction marking and lighting specifications for antenna structure:

It is to be expressly understood that the issuance of these specifications is in no way to be considered as precluding additional or modified marking or lighting as may hereafter be required under the provisions of Section 303(q) of the Communications Act of 1934, as amended.

None Required

Special operating conditions or restrictions:

- 1 During installation of the antenna authorized herein, AM Station(s) listed below shall determine operating power by the indirect method. Upon completion of the installation, antenna impedance measurements on the AM antenna shall be made and, prior to or simultaneous with the filing of the application for license to cover this permit, the results submitted to the Commission (along with a tower sketch of the installation) in an application for the AM station to return to the direct method of power determination.

(Revised January 28, 1983)

WMDR

Special operating conditions or restrictions:

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IN ACCORDANCE WITH SECTION 73.525 OF THE COMMISSION'S RULES, THE PERMITTEE SHALL EFFECTIVELY INSTALL 198 FILTERS ON TELEVISION RECEIVERS LOCATED WITHIN THE PREDICTED INTERFERENCE AREA WITHIN NINETY (90) DAYS AFTER COMMENCING PROGRAM TESTS AND, NO LATER THAN FORTY-FIVE (45) DAYS THEREAFTER, PROVIDE TV CHANNEL SIX STATION WATE-TV WITH A CERTIFICATION CONTAINING SUFFICIENT INFORMATION TO PERMIT VERIFICATION OF SUCH INSTALLATIONS. [THE NUMBER OF FILTERS TO BE INSTALLED WITHIN THE AREA PREDICTED TO RECEIVE NEW INTERFERENCE SHALL BE 198].

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BEFORE PROGRAM TEST AUTHORITY IS AUTHORIZED BY THE COMMISSION, A FENCE MUST BE ERECTED AT 7 METERS FROM THE BASE OF THE TOWER AND IN SUCH A MANNER AS TO PREVENT THE EXPOSURE OF HUMANS TO RADIOFREQUENCY RADIATION IN EXCESS OF THE AMERICAN NATIONAL STANDARDS INSTITUTE GUIDELINES (OST BULLETIN NO. 65, OCTOBER, 1985). THE FENCE MUST BE OF A TYPE WHICH WILL PRECLUDE CASUAL OR INADVERTENT ACCESS, AND MUST INCLUDE WARNING SIGNS AT APPROPRIATE INTERVALS WHICH DESCRIBE THE NATURE OF THE HAZARD. PERMITTEE SHALL SUBMIT DOCUMENTATION OF COMPLIANCE WITH THIS SPECIAL OPERATING CONDITION ALONG WITH THE FORM 302, APPLICATION FOR LICENSE, AND THE REQUEST FOR PROGRAM TEST AUTHORITY. IN ADDITION, THE PERMITTEE SHALL, UPON COMPLETION OF CONSTRUCTION AND DURING THE EQUIPMENT TEST PERIOD, MAKE PROPER RF FIELD STRENGTH MEASUREMENTS THROUGHOUT THE TOWER AREA TO DETERMINE IF THERE ARE ANY AREAS THAT EXCEED THE ANSI, EPA, AND FCC SPECIFIED GUIDELINES FOR HUMAN EXPOSURE TO RADIOFREQUENCY RADIATION. ANY AREAS WITHIN THE FENCE FOUND TO EXCEED THE RECOMMENDED GUIDELINES MUST BE CLEARLY MARKED WITH APPROPRIATE VISUAL WARNING SIGNS.

*** END OF AUTHORIZATION ***