



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

Authorizing Official:

Official Mailing Address:

TEXAS INDEPENDENT MEDIA, INC.  
P O BOX 190  
LA GRANGE TX 78945

Arthur E. Doak  
Senior Engineer  
Audio Division  
Media Bureau

Facility ID: 172596

Call Sign: KTIM

Permit File Number: BNPED-20071015AID

Grant Date: June 18, 2015

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

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: TEXAS INDEPENDENT MEDIA, INC.

Station Location: TX-ELLINGER

Frequency (MHz): 89.1

Channel: 206

Class: C3

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: Directional

Antenna Coordinates: North Latitude: 29 deg 52 min 32 sec

West Longitude: 96 deg 52 min 39 sec

	Horizontally Polarized Antenna	Vertically Polarized Antenna
Effective radiated power in the Horizontal Plane (kW):	5.0	5.0
Height of radiation center above ground (Meters):	130	130
Height of radiation center above mean sea level (Meters):	261	261
Height of radiation center above average terrain (Meters):	164	164

Antenna structure registration number: 1051385

Overall height of antenna structure above ground (including obstruction lighting if any) see the registration for this antenna structure.

Special operating conditions or restrictions:

- 1 Pursuant to 47 C.F.R. Sections 73.7002(c) and 73.7005(b), the permittee/licensee is required to construct and operate for a period of four (4) years of on-air operations technical facilities substantially as proposed and shall not downgrade service to the area on which the preference was based.
- 2 The permittee/licensee, in coordination with other users of the site, must reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of the FCC guidelines.
- 3 BEFORE PROGRAM TESTS ARE AUTHORIZED, the permittee/licensee must submit a certification executed by a licensed surveyor showing that the FM directional antenna system has been oriented at the azimuth(s) specified in the directional antenna proof of performance. This certification must include a description of the method used by the surveyor to determine the azimuth(s) of the installed directional antenna system and the accuracy of that determination.
- 4 BEFORE PROGRAM TESTS ARE AUTHORIZED, the permittee/licensee must submit an affidavit that the installation of the directional antenna system was overseen by a qualified engineer. This affidavit must include a certification by the engineer that the antenna was installed pursuant to the manufacturer's instructions and list the qualifications of the certifying engineer.

## Special operating conditions or restrictions:

- 5 BEFORE PROGRAM TESTS ARE AUTHORIZED, the permittee/licensee must submit the results of a complete proof-of-performance to establish the horizontal plane radiation patterns for both the horizontally and vertically polarized radiation components. This proof-of-performance may be accomplished using the complete full size antenna, or individual bays therefrom, mounted on a supporting structure of identical dimensions and configuration as the proposed structure, including all braces, ladders, conduits, coaxial lines, and other appurtenances; or using a carefully manufactured scale model of the entire antenna, or individual bays therefrom, mounted on an equally scaled model of the proposed supporting structure, including all appurtenances. Engineering exhibits must include a description of the antenna testing facilities and equipment employed, including appropriate photographs or sketches and a description of the testing procedures, including scale factor, measurements frequency, and equipment calibration.
- 6 BEFORE PROGRAM TESTS ARE AUTHORIZED, the permittee/licensee must submit an exhibit demonstrating that the measured directional antenna pattern complies with the appropriate community coverage provisions of 47 C.F.R. Sections 73.315 or 73.515 (See 47 C.F.R. Section 73.316(c)(2)(ix)(B)).
- 7 The RMS of the composite measured relative field horizontal plane directional antenna pattern must encompass at least 85% of the RMS of the composite relative field horizontal plane directional antenna pattern authorized by this construction permit.
- 8 The relative field strength of neither the measured horizontally nor vertically polarized radiation component shall exceed at any azimuth the value indicated on the composite radiation pattern authorized by this construction permit.

A relative field strength of 1.0 on the composite radiation pattern herein authorized corresponds to the following effective radiated power:

5 kilowatts

Principal minima and their associated field strength limits:

260-270 degrees True (clockwise): 0.2 kilowatt

## Special operating conditions or restrictions:

- 9 Station KVLG(AM), La Grange, Texas (Facility ID No. 21238) may be affected by the facility authorized by this construction permit. Pursuant to Section 1.30004 of the Commission's Rules, at least 30 days prior to commencement of construction of the facility authorized herein, the permittee must provide notification of the construction to the AM station licensee. As part of this notification, the permittee must examine the potential impact of the construction of the authorized facility on the AM station using a moment method analysis. The analysis shall consist of a model of the AM antenna together with the potential re-radiating tower in a lossless environment. The model shall employ the methodology specified in Section 73.151(c) of the Commission's Rules, except that the AM antenna elements may be modeled as a series of thin wires driven to produce the required radiation pattern, without any requirement for measurement of tower impedances. If the AM station was authorized pursuant to a directional proof of performance based on field strength measurements, the permittee may, in lieu of the moment method analysis, demonstrate with measurements taken before and after construction that field strength values at the monitoring points do not exceed the licensed values. If the construction results in radiation values in excess of the AM station's licensed standard pattern or augmented pattern values, the permittee is responsible for the installation and maintenance of any detuning apparatus necessary to restore proper operation of the directional antenna. (See Section 1.30002 of the Commission's Rules). The permittee must submit confirmation of completion of these notice and analysis requirements in the application for license to cover this construction permit. If the facility authorized by this construction permit do not result in a significant modification of the existing tower specified as defined in Section 1.30002(d) of the Commission's Rules, the permittee shall submit a certification and any necessary evidence supporting that certification in the application for license.

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