



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

Authorizing Official:

Official Mailing Address:

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IHM LICENSES, LLC  
7136 S. YALE AVENUE  
TULSA OK 74136

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Robert D. Greenberg  
Supervisory Engineer  
Audio Division  
Media Bureau

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Facility ID: 11918

Call Sign: KJYO

Permit File Number: BMPH-19880826JA

Grant Date:

This permit expires 3:00 a.m.  
local time, 0 months after the  
grant date specified above.

This Permit Modifies Permit No.: BPH-19860113IG

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: IHM LICENSES, LLC

Station Location: OK-OKLAHOMA CITY

Frequency (MHz): 102.7

Channel: 274

Class: C

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: 35 deg 32 min 52 sec  
West Longitude: 97 deg 29 min 29 sec

	Horizontally Polarized Antenna	Vertically Polarized Antenna
Effective radiated power in the Horizontal Plane (kW):	100	90
Height of radiation center above ground (Meters):	312	312
Height of radiation center above mean sea level (Meters):	657	657
Height of radiation center above average terrain (Meters):	300	300

Antenna structure registration number: Not Required

Overall height of antenna structure above ground: 327 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 Prior to construction of the tower authorized herein, permittee shall notify AM Station(s) listed below so that, if necessary, the AM station(s) may determine operating power by the indirect method and request temporary authority from the Commission in Washington, D.C. to operate with parameters at variance in order to maintain monitoring point field strengths within authorized limits. Permittee shall be responsible for the installation and continued maintenance of detuning apparatus necessary to prevent adverse effects upon the radiation pattern of the AM station(s). Both prior to construction of the tower and subsequent to the installation of all appurtenances thereon, a partial proof of performance, as defined by Section 73.154(a) of the Commission's Rules, shall be conducted to establish that the AM array has not been adversely affected and, prior to or simultaneous with the filing of the application for license to cover this permit, the results submitted to the Commission.  
(Revised March 14, 1983)  
WKY (AM)
- 2 Neither the horizontally nor vertically polarized radiation component shall exceed the following value at any azimuth.  
100 KILOWATTS
- 3 Each component shall be restricted to the following values at the azimuths specified below.  
44 KW AT 105 DEGREES T  
26 KW AT 60 DEGREES T  
65 KW AT 350 DEGREES T
- 4 In addition, neither radiation component shall increase at a rate exceeding 0.2 dB per degree from the azimuths of restricted radiation specified above nor exceed a maximum-to-minimum ratio of 15 dB. The rms of the vertically polarized radiation pattern shall not exceed that of the horizontally polarized radiation pattern.
- 5 The horizontal and vertical radiation patterns as submitted with the application for construction permit are authorized by this permit. Changes made to these patterns will require the filing of FCC Form 301 for commercial stations and FCC Form 340 for educational stations to modify this construction permit BEFORE PROGRAM TESTS ARE AUTHORIZED. BEFORE PROGRAM TESTS ARE AUTHORIZED, permittee shall 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 should 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.  
BEFORE PROGRAM TESTS ARE AUTHORIZED, permittee shall submit an affidavit from a licensed surveyor to establish that the directional antenna has been oriented at the proper azimuth.

Special operating conditions or restrictions:

- 6 -
6. BEFORE PROGRAM TESTS COMMENCE, SUFFICIENT MEASUREMENTS SHALL BE MADE TO ESTABLISH THAT THE OPERATION AUTHORIZED IN THIS CONSTRUCTION PERMIT IS IN COMPLIANCE WITH THE SPURIOUS EMISSIONS REQUIREMENTS OF SECTIONS 73.317 (A) (8) THROUGH 73.317 (A) (10) OF THE COMMISSION'S RULES. ALL MEASUREMENTS MUST BE MADE WITH STATIONS KJYO AND KKNG SIMULTANEOUSLY UTILIZING THE SHARED ANTENNA. THESE MEASUREMENTS SHALL BE SUBMITTED TO THE COMMISSION ALONG WITH THE FORM 302 APPLICATION FOR LICENSE.
  7. THE PERMITTEE SHALL SUBMIT A VERTICAL PLANE PATTERN FOR THE NON-BEAM-TILT ANTENNA AUTHORIZED HEREIN WITH THE FORM 302 APPLICATION FOR LICENSE.

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