



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

Authorizing Official:

Official Mailing Address:

IHM LICENSES, LLC
7136 S. YALE AVENUE
SUITE 501
TULSA OK 74136

Dennis L. Williams
Assistant Chief
Audio Division
Media Bureau

Facility ID: 34930

Call Sign: KIOI

Permit File Number: BMPH-19930406JL

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-19880902IM

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: CA-SAN FRANCISCO

Frequency (MHz): 101.3

Channel: 267

Class: B

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: 37 deg 41 min 15 sec
West Longitude: 122 deg 26 min 01 sec

	Horizontally Polarized Antenna	Vertically Polarized Antenna
Effective radiated power in the Horizontal Plane (kW):	125	125
Height of radiation center above ground (Meters):	37	37
Height of radiation center above mean sea level (Meters):	410	410
Height of radiation center above average terrain (Meters):	354	354

Antenna structure registration number: Not Required

Overall height of antenna structure above ground: 96 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 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.
- 2 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:

- 3 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:
125 KILOWATTS
PRINCIPAL MINIMA AND THEIR ASSOCIATED FIELD STRENGTH LIMITS:
90 DEGREES TRUE: 39.0 KILOWATTS
220 DEGREES TRUE: 2.45 KILOWATTS
320 DEGREES TRUE: 1.50 KILOWATTS

BEFORE PROGRAM TEST AUTHORITY IS AUTHORIZED BY THE COMMISSION, THE PERMITTEE MUST VERIFY COMPLIANCE WITH THE ANSI RADIOFREQUENCY RADIATION STANDARDS, BY CERTIFYING THAT IT HAS IMPLEMENTED ALL OF THE REMAINING RECOMMENDED ACTIONS THAT WERE INCLUDED IN THE AUGUST 19, 1991 AND MAY 1, 1991 AMENDMENTS. THESE RECOMMENDATIONS ARE AS FOLLOWS:

1. FENCE THE BASE OF TOWER 8 (THE STRUCTURE THAT SUPPORTS KFRC-FM'S MAIN AND AUXILIARY ANTENNA AND SUPPORTS KTSF-TV'S AUXILIARY ANTENNA) AND THE CHANNEL 5 ENG FACILITIES.
(ALTERNATIVELY, REMOVE THE BOTTOM SIX BAYS OF THE KFRC-FM AUXILIARY ANTENNA AND REROUTE ITS TRANSMISSION LINE.)
2. FENCE THE BASE OF THE NEW TOWER 7 (THE STRUCTURE THAT SUPPORTS KIOI (FM)'S MAIN ANTENNA AND KPON-TV'S AUXILIARY ANTENNA) TO A RADIUS OF 8 METERS (26 FEET) FROM THE NEAREST PART OF THE TOWER STRUCTURE, OR TO THE EDGE OF THE TERRAIN DROPOFF, WHICHEVER IS THE LESSER DISTANCE.
3. ADOPT A CUTBACK AGREEMENT WITH KTSF-TV (ON TOWER 9) DURING CONSTRUCTION OF THE TOP 100 FEET OF TOWER 7, AS WELL AS WHEN ACCESS IS NECESSARY TO EITHER OF TOWERS 7 OR 9.
4. PERFORM A FIELD EVALUATION AS SOON AS THE SITE BECOMES OPERATIONAL TO DETECT AND CORRECT LOCALIZED HOTSPOTS THAT MAY BE PRESENT.
5. POST WARNING SIGNS AT FENCE GATE(S) OFF RADIO ROAD AND OTHER SIDES OF THE SITE THAT COULD BE ACCESSED BY THE PUBLIC.

*** END OF AUTHORIZATION ***