FCC 351
December 1985

United States of America
FEDERAL COMMUNICATIONS COMMISSION

File No.: BP-870130AC
Call Sign: KUTY

AM BROADCAST STATION CONSTRUCTION PERMIT

1. Permittee:

FONTANA STEEL, INC.

Average hours of sunrise and sunset:
Standard Time (Non-Advanced)

PROVIDED WITH PREVIOUS AUTHORIZATION

2. Station location ..... : Palmdale, CA
3. Transmitter location ..... : Approx. 3200' S. of Ave. K and 2000' W. of 70th St. E. Near Palmdale, CA

North Latitude ..... : 34° 39' 55"
West Longitude ..... : 118° 00' 40"

4. Main studio location ..... :
(Listed only if not at transmitter site or not within boundaries of principal community.)

5. Remote control location ..... :
6. Transmitter ..... : Type accepted
(See Section 73.1660, 73.1665 and 73.1670 of the Commission's Rules.)

7. Antenna and ground system: See Attached

8. Obstruction marking and lighting specifications: FCC Form 715, paragraphs: 1, 3,11, 21 & 22.

9. Operating Assignment

Frequency ..... : 1470 kHz
Power–Night ..... : 5 Kw (Directional)
Day ..... : 5 Kw (Directional)
Hours of Operation ..... : Unlimited

10. Conditions ..... : Attached

11. Deadline for completion of construction and filing FCC Form 302: 18 months from date of grant (shown below)

Subject to the provisions of the Communications Act of 1934, as amended, treaties, and Commission Rules, and further subject to conditions set forth in this permit,[1] authority is hereby granted to construct an AM broadcast station located and described as above.

Equipment and program tests shall be conducted only pursuant to Sections 73.1610 and 73.1620 of the Commission Rules.

This permit shall be forfeited if the station is not ready for operation within the time specified or within such further time as the Commission may allow unless completion of the station is prevented by causes not under the control of the permittee. See Section 73.3599 of the Commission's Rules.

[1] This construction permit consists of this page and page(s) 2 & 3

Dated: DEC 01 1987

JNW/ajs

FEDERAL COMMUNICATIONS COMMISSION

DEC 01 1987

Form 353
y 1977

e No. BP-870130AC Call Letters KUTY Date

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM DA 2

No. and Type of Elements: Four(4), guyed, series-excited, steel radiators of uniform cross-section. Theoretical RMS: 770.33 mV/m/Km, day; 792.03 mV/m/Km, night. Standard RMS: 810.1 mV/m/Km, day; 832.61 mV/m/Km, night. Q factor: 43, day; 38.38, night.

Height above Insulators: 61 m (107.6°)

Overall Height: 62.2 m.

Spacing and Orientation: Towers are spaced 90° apart on a line bearing 71° True.

Non-Directional Antenna: N/A

Ground System 120 buried copper radials ranging in length from 25.6 m. to 50.9 m. interspersed with 120 radials 15.2 m. long.

THEORETICAL SPECIFICATIONS

Phasing:	Tower	#1(SW)	#2(SC)	#3(NC)	#4(NE)
	Night	0°	151.94°	-56.64°	94.01°
	Day	0°	-179.89°	-10.82°	128.13°
Field Ratio:	Night	1.0	2.269	1.886	0.578
	Day	1.0	1.047	0.58	0.124

The inverse distance field intensity at a distance of one kilometer from the above antenna in the directions specified shall not exceed the following values:

Azimuth	Daytime Radiation	Azimuth	Nighttime Radiation
358°	472.61 mV/m	0°	44.91 mV/m
144°	472.61 mV/m	142°	44.91 mV/m
192.5°	362.42 mV/m		
309.5°	362.42 mV/m		

A monitoring point in each of the above directions in which a field intensity is specified shall be designated with complete detail including a description of the point, directions for proceeding thereto and the field intensity measured at the point after final adjustment of the antenna system in exact accordance with the terms of this authorization and the Rules and Regulations and Standards of Good Engineering Practice Governing Standard Broadcast Stations. The points shall be in the clear so as to permit the taking of unobstructed field intensity measurements and shall be located not less than one mile nor more than four miles from the antenna in the direction specified.

No operation shall occur other than during the experimental period until data has been submitted showing that operation is in accordance with the above specifications and that the field intensity pattern is in substantial agreement with the theoretical pattern specified in the application

THE AUTHORITY GRANTED IS SUBJECT TO THE FOLLOWING CONDITIONS:

A complete nondirectional proof of performance, in addition to a complete proof on the day and night 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.

Permittee shall install a type accepted transmitter, or submit application (FCC Form 301) along with data prescribed in Section 73.1660(b) should non-type accepted transmitter be proposed.