

AM BROADCAST STATION LICENSE

Subject to the provisions of the Communications Act of 1934, as amended, subsequent Acts, Treaties, and Commission Rules made thereunder, and further subject to conditions set forth in this license, the LICENSEE

CLEAR CHANNEL COMMUNICATIONS, INC.

is hereby authorized to use and operate the radio transmitting apparatus hereinafter described for the purpose of broadcasting for the term ending 3 a.m. Local Time in accordance with the following:

APRIL 1, 1991

1. Station location: New Haven, CT

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

3. Remote control location: - - -

4. Transmitter location: Radio Towers Park
495 Benham Street
Hamden, CT

North latitude : 41 ° 22 ' 14 "
West longitude: 72 ° 56 ' 15 "

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

6. Antenna and ground system: See Page 2.

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

8. Frequency (kHz.): 960

9. Nominal power (kW): 5.0 Day
5.0 Night

Antenna input power (kW): 4.03 Day

Non-directional antenna: current 10.1 amperes; resistance 39.5 ohms.
 Directional antenna : current _____ amperes; resistance _____ ohms.

5.4 Night

Non-directional antenna: current _____ amperes; resistance _____ ohms.
 Directional antenna : current 10.4 amperes; resistance 50 ohms.

10. Hours of operation: Specified in construction permit (CP) BR-801201YN.
11. Conditions:

The Commission reserves the right during said license period of terminating this license or making effective any change or modification of this license which may be necessary to comply with any decision of the Commission rendered as a result of any hearing held under the rules of the Commission prior to the commencement of this license period or any decision rendered as a result of any such hearing which has been designated but not held, prior to the commencement of this license period.

This license is issued on the licensee's representation that the statements contained in licensee's application are true and that the undertakings therein contained so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such broadcasting service as will serve public interest, convenience, or necessity to the full extent of the privileges herein conferred.

This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequency designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. This license is subject to the right of use or control by the Government of the United States conferred by Section 606 of the Communications Act of 1934, as amended.



UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No. BR-801201YN
BZ-790706AA
Call Sign: W E L I

STANDARD BROADCAST STATION LICENSE

Subject to the provisions of the Communications Act of 1934, subsequent Acts, and Treaties, and Commission Rules made thereunder, and further subject to conditions set forth in this license, the LICENSEE

INSILCO BROADCASTING CORPORATION

is hereby authorized to use and operate the radio transmitting apparatus hereinafter described for the purpose of broadcasting for the term ending 3 a.m. Local Time APRIL 1, 1984

The licensee shall use and operate said apparatus only in accordance with the following terms:

- On a frequency of 960 kHz.
- With nominal power of 5 kilo watts nighttime and 5 kilo watts daytime,
with antenna input power of 5400 watts directional Common Point current 10.4 amperes
antenna nighttime Common Point resistance 50 ohms,
and antenna input power of 4030 watts non directional Antenna current 10.1 amperes
antenna daytime Antenna resistance 39.5 ohms

- Hours of operation: Unlimited Time.
Average hours of sunrise and sunset:
Jan. 7:15 am to 4:45 pm; Feb. 6:45 am to 5:30 pm;
Mar. 6:00 am to 6:00 pm; Apr. 5:15 am to 6:30 pm;
May 4:30 am to 7:00 pm; June 4:15 am to 7:30 pm;
July 4:30 am to 7:30 pm; Aug. 5:00 am to 7:00 pm;
Sep. 5:30 am to 6:00 pm; Oct. 6:00 am to 5:15 pm;
Nov. 6:45 am to 4:30 pm; Dec. 7:15 am to 4:30 pm;
Eastern Standard Time (Non-Advanced).

- With the station located at: New Haven, Connecticut
- With the main studio located at: Radio Towers Park, 495 Benham Street
Hamden, Connecticut
- Remote control point: ---

- Transmitter location: Radio Towers Park
495 Benham Street
Hamden, Connecticut
North Latitude: 41° 22' 14"
West Longitude: 72° 56' 15"

- Obstruction marking specifications in accordance with the following paragraphs of FCC Form 715: 1, 3, 11 & 21.
- Transmitter(s): Type Accepted
- Conditions: ---

SUPERSEDE AUTHORIZATION ISSUED SAME DATE TO SHOW CORRECTIONS FOR MONITOR POINT NO. 1.

The Commission reserves the right during said license period of terminating this license or making effective any changes or modification of this license which may be necessary to comply with any decision of the Commission rendered as a result of any hearing held under the rules of the Commission prior to the commencement of this license period or any decision rendered as a result of any such hearing which has been designated but not held, prior to the commencement of this license period.

This license is issued on the licensee's representation that the statements contained in licensee's application are true and that the undertakings therein contained so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such broadcasting service as will serve public interest, convenience, or necessity to the full extent of the privileges herein conferred.

This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequency designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This license is subject to the right of use or control by the Government of the United States conferred by Section 606 of the Communications Act of 1934.

1/ This license consists of this page and pages 2 & 3.

Dated: March 30, 1981 (3/12/84)

FEDERAL COMMUNICATIONS COMMISSION



Geographic coordinate to nearest second. For directional antenna give coordinates of center of array. For single vertical radiator give tower location.

No change

North latitude

West longitude

If not fully described above, attach as Exhibit No. ____ further details and dimensions including any other antenna mounted on tower and associated isolation circuits. Also, if necessary for a complete description attach as Exhibit No. ____ a sketch of the details and dimensions of ground system.

8. Antenna resistance measurement

Attach as Exhibit No. ____ the following:

- (a) Qualifications of persons taking measurements.
- (b) Schematic diagram showing clearly all components of coupling circuits, point of resistance measurements, location of antenna ammeter, connection to and characteristics of all tower lighting isolation circuits, static drains, and any other fixtures, lines, etc. connected to or supported by the antenna, including other antennas, and associated circuits.
- (c) Full description of method used to make measurements.
- (d) Manufacturer's name of each calibrated instrument used and manufacturer's rated accuracy.
- (e) Date, accuracy, and by whom each instrument was last calibrated.
- (f) Table of complete data taken.
- (g) The graph drawn of 10 to 12 readings in a band 50 to 60 kilohertz wide with the operating frequency near the center.

9. In what respect, if any, does the apparatus constructed differ from that described in the application for construction permit or in the permit?

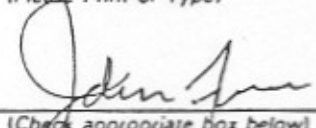
10. Give reasons for the change in antenna or common point resistance. Parameters changed to compensate for re-radiating tower and installation of two-way antenna on tower

I certify that I represent the applicant in the capacity indicated below and that I have examined the foregoing statement of technical information and that it is true to the best of my knowledge and belief.

Date 11/23/87

Name John Furr
(Please Print or Type)

512-734-7301
Telephone No. (Include Area Code)

Signature 
(Check appropriate box below)

6222 N.W. I-10
Address (Include ZIP Code)

San Antonio, TX 78201

Technical Director

Registered Professional Engineer

Chief Operator

Technical Consultant

Other (specify)

Name of Applicant

Clear Channel Communications, Inc.

PURPOSE OF AUTHORIZATION APPLIED FOR (check one)

 Station LicenseAnswer Items
1-9 Direct measurement of power

1, 2, 6, 7, 8 and 10

1. Facilities authorized in construction permit

| Call Sign | File No. of Construction Permit | Frequency | Hours of operation | Power in kilowatts | |
|-----------|---------------------------------|-----------|--------------------|--------------------|-----|
| | | | | Night | Day |
| WELI | -- | 960 | Unlimited | 5 | 5 |

2. Station location

| | |
|----------------------|---------------------------|
| State Connecticut | City or town New Haven |
|----------------------|---------------------------|

3. Transmitter location

| | | | |
|-------|--------|--------------|--|
| State | County | City or town | State address (or other identification) |
|-------|--------|--------------|--|

4. Main Studio location

| | | | |
|-------|--------|--------------|-------------------|
| State | County | City or town | Number and Street |
|-------|--------|--------------|-------------------|

5. Remote control point location (only if authorized)

| | | |
|-------|--------------|---|
| State | City or town | Street address (or other identification) |
|-------|--------------|---|

6. Operating constants:

| | |
|--|---|
| RF common point or antenna current without modulation for night power in amperes 10.4 | RF common point or antenna current without modulation for day power in amperes no change |
|--|---|

| | |
|---|---|
| Actual measured antenna or common point resistance (in ohms) at operating frequency Night 50 Day no change | Actual measured antenna or common point reactance (in ohms) at operating frequency Night 0 Day no change |
|---|---|

Antenna monitor indication for directional operation

| Tower | Phase reading in degrees | | Antenna base current | | Antenna monitor sample current ratio | |
|-------|--------------------------|-----|----------------------|-----|--------------------------------------|-----|
| | Night | Day | Night | Day | Night | Day |
| 1 | + 7 | | 3.5 | | 0.27 | |
| 2 | -146 | | 12.7 | | 0.93 | |
| 3 | 0 | | 13.0 | | 1.00 | |
| 4 | +154 | | 7.3 | | 0.55 | |

Manufacturer and type of antenna monitor:

Potomac AM 19-D

7. Description of antenna system

(If directional antenna is used, the information requested below should be given for each element of the array. Use separate sheets if necessary. Height figures should not include obstruction lighting.)

| | | | |
|----------------------------|--|--|--|
| Type radiator No change | Height in feet of complete radiator above base insulator, or above base if grounded. | Overall height in feet above ground (without obstruction lighting) | If antenna is either top loaded or tionalized, describe fully in Exhibit No. _____ |
|----------------------------|--|--|--|

Excitation

 Series Shunt

June 1980

File NO. BZ-871125AC

Call Sign: WELI

Date:

DA- N, U

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

No. and Type of Elements: Two tapered, self supporting, series excited towers and two uniform cross section, guyed, series excited steel towers. Theo. RMS: 659.8 mV/m @ 1 km. Std RMS: 693.9 mV/m @ 1 km.

Height above Insulators: 73.8 m (85°)

Overall Height: 75.6 m

Spacing and Orientation: Towers spaced 81 m(93.3°) between adjacent elements on a line bearing 326° True.

Non-Directional Antenna: Tower #3 Theoretical Efficiency: 302.6 mV/m/Kw @ 1 km.

Ground System consists of 120 equally spaced, buried, copper radials about the base of each tower 80.8 m in length except where intersecting radials are shortened and bonded plus 120 interspersed radials 15.2 m in length about the base of each tower.

2. THEORETICAL SPECIFICATIONS

| | | | | |
|----------|-------------|------------------|------------------|----------------|
| Phasing: | S(#1) 0° | SC(#2) 173.5° | NC(#3) -30.7° | NW(#4) 122° |
|----------|-------------|------------------|------------------|----------------|

| | | | | |
|--------------|-----|------|-----|------|
| Field Ratio: | 1.0 | 2.75 | 2.9 | 1.57 |
|--------------|-----|------|-----|------|

3. OPERATING SPECIFICATIONS

| | | | | |
|--------------------|----|-------|----|------|
| Phase Indication*: | 7° | -146° | 0° | 154° |
|--------------------|----|-------|----|------|

| | | | | |
|--------------------------------|-------|-------|------|-------|
| Antenna Base Current Ratio: | 0.269 | 0.977 | 1.00 | 0.562 |
|--------------------------------|-------|-------|------|-------|

| | | | | |
|--|------|------|------|------|
| Antenna Monitor Sample Current Ratio: | 0.27 | 0.93 | 1.00 | 0.55 |
|--|------|------|------|------|

* As indicated by Potomac Instruments AM-19D(210) Antenna Monitor.

Antenna sampling system approved under section 73.63(b) rules.

APPLICATION FOR NEW BROADCAST STATION LICENSE
(Carefully read instructions before filling out Form—
RETURN ONLY FORM TO FCC)

For Commission Use Only
File No.

SECTION I General Data

Legal Name of Applicant

Mailing Address

Clear Channel Communications, Inc. 175 E. Houston St.

City San Antonio State TX ZIP Code 78205-2225 Telephone No. (512) 734-7301
(Include Area Code)

1. Facilities authorized by construction permit

This application is for:

Commercial Noncommercial
 AM FM TV

| Call Letters | Community of License | Construction Permit File No. | Modification of Construction Permit File No(s). | Expiration Date of last Construction Permit |
|--------------|----------------------|------------------------------|---|---|
| WELI | New Haven, CT | -- | -- | |

2. Is the station now operating pursuant to automatic program test authority in accordance with Section 73.1620 of the Commission's Rules?

If No, explain.

YES NO

3. Have all the terms, conditions, and obligations set forth in the above described construction permit been fully met?

If No, state exceptions.

YES NO

4. Apart from changes already reported, has any cause or circumstance arisen since the grant of the underlying construction permit which would cause any statement or representation contained in the construction permit application to be now incorrect?

If Yes, explain.

YES NO

THE APPLICANT hereby waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.)
THE APPLICANT acknowledges that all the statements made in this application and attached exhibits are considered material representations, and all exhibits are a material part hereof and are incorporated herein.

CERTIFICATION

I certify that the statements in this application are true, complete and correct to the best of my knowledge and belief, and are made in good faith.

Signed and dated this _____ day of _____ 19____

Clear Channel
Communications, Inc.

Name of Applicant

Signature

Vice President

Title

WILLFUL FALSE STATEMENTS MADE
ON THIS FORM ARE PUNISHABLE
BY FINE AND IMPRISONMENT, U.S.
CODE, TITLE 18, SECTION 1001.