K Ley

F.C.C. FORM NO. 352
REV. JANUARY, 1951

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No. BL-10,475
Call Letters KFKA

MAIN TRANSMITTER

STANDARD BROADCAST STATION LICENSE

MODIFIED AS OF JUNE 29, 1964

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, 1/ the LICENSEE

THE MID-WESTERN RADIO CORPORATION

is hereby authorized to use and operate the radio transmitting apparatus hereinafter described for the purpose of broadcasting for the term beginning June 29 (12 M., Eastern Standard Time), 1964, and ending April 1 (3 a.m., Eastern Standard Time), 1965

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

1. On a frequency of 1310 kc.
2. With 1 kilo watts power ~~-~~ directional antenna nighttime [common point current, 3.93 amperes; common point resistance, 64.75 ohms]
   and 5 kilo watts power ~~non~~ directional antenna daytime [antenna current, 4.88 amperes; antenna resistance, 210.2 ohms]
3. During the following period or periods of time: Unlimited time.

   Average hours of local sunrise and sunset:
   Jan. 7:15 am to 5:00 pm; Feb. 7:00 am to 5:30 pm;
   Mar. 6:15 am to 6:00 pm; Apr. 5:30 am to 6:30 pm;
   May 4:45 am to 7:00 pm; June 4:30 am to 7:30 pm;
   July 4:45 am to 7:30 pm; Aug. 5:15 am to 7:00 pm;
   Sep. 5:45 am to 6:15 pm; Oct. 6:15 am to 5:15 pm;
   Nov. 6:45 am to 4:45 pm; Dec. 7:15 am to 4:30 pm;
   Mountain Standard Time.

   Pending a final decision in Docket No. 14419 with respect to pre-sunrise operation with daytime facilities, the present provisions of Section 73.87 of the Commission Rules are not extended to this authorization, and such operation is precluded.
4. With the station located at:
   Greeley, Colorado
5. With the main studio located at:
   1017½ Eighth Avenue
   Greeley, Colorado

The apparatus herein authorized to be used and operated is located at:
Approximately 3 mi. South-Southwest of city limits
Greeley, Colorado
North Lat. 40° 21' 56"
West Long. 104° 43' 56"

and is described as follows:
GATES RADIO CO., Type BC-5P-2, Broadcasting Transmitter (or other transmitter currently listed in the Commission's "Radio Equipment List, Part B, Aural Broadcast Equipment" for the power herein authorized).

Obstruction marking specifications in accordance with paragraphs 1, 3, 12 and 21 of FCC Form 715 attached.

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 and 3.

Dated this 29th day of June, 1964

FEDERAL COMMUNICATIONS COMMISSION,

Ben F. Waple
Secretary

tme

FCC Form 353-A
October 1964

File No. BL-10,475 Call Letters K F K A Date 6-29-64

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM DA- N

No. and Type of Elements: Two self-supporting, series excited, vertical radiators.

Height above Insulators: 275' (131.67°)

Overall Height: 280'

Spacing and Orientation: 484.07' (232°). Line of towers bears 105° true.

Non-Directional Antenna: West Tower (No. 1). No. 2 tower isolated by detuning.

Ground System consists of 120-263' equally spaced buried copper radials about each tower. First 50' of each radial to be laid on the ground surface. Radials bonded at points of intersection to copper bonding strap.

2. THEORETICAL SPECIFICATIONS	WEST TOWER (1)	EAST TOWER (2)
Phasing:	0°	-13°
Field Ratio:	1.0	0.71
OPERATING SPECIFICATIONS		
Phase Indication:*	0°	-13°
Antenna Base Current Ratio:	1.0	0.687
~~Remote Antenna Base~~ Current Ratio:	1.0	0.687

*As indicated by WE 2-A phase monitor.

Phase indications and antenna base currents shall be read and entered in the operating log at least once each hour. ~~Remote antenna base currents~~ may be read and logged in lieu of base currents provided base currents are read and logged at least once daily.

DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Point #1, direction of 73° true North. Leave the transmitter and proceed .8 mile north to a crossroad. Proceed east from crossroad 2.25 miles to Highway 85. Proceed southwest on Highway 85 .2 mile. Monitor point is approximately 175' west of Highway 85 at east edge of old dump. Monitor point is at present marked by a sign reading "DUMP CLOSED". The field intensity measured at this point should not exceed 18.5 mv/m.

Point #2, direction of 105° true North. Leave the transmitter and proceed .2 mile south to a crossroad. Proceed east and northeast from crossroad 2.3 miles to Highway 85. Proceed southwest on Highway 85 .7 mile to a crossroad. Proceed east from cross road 1.0 mile to a road to the south. Proceed south .5 mile to a railroad crossing. Monitor point is in the road south of the railroad and 100' north of the large trees on the east side of the road. The field intensity measured at this point should not exceed 26.9 mv/m.

Point #3, direction of 138° true North. Leave the transmitter and proceed .2 mile south to a crossroad. Proceed east and northeast from crossroad 2.3 miles to Highway 85. Proceed southwest on Highway 85 1.45 miles to a red brick service station on the southeast corner of the intersection. Proceed east from this intersection .25 mile to a "Y" in the road. Proceed south from the "Y" one block. Proceed west one block to the La Salle Depot. Proceed southwest from depot .2 mile to a bridge. Monitor point is in road 400' south of bridge. The field intensity measured at this point should not exceed 26.4 mv/m.

Point #4, direction of 241° true North. Leave the transmitter and proceed south .2 mile to a crossroad. Proceed west from crossroad .2 mile to a road to the south. Proceed south and west 2.1 miles to a road to the south. Proceed .3 mile south to a sharp bend in the road to the west. Proceed west .55 mile to a sharp bend in the road to the south. Monitor point is .15 mile south of this bend on east shoulder of road. The field intensity measured at this point should not exceed 19.6 mv/m.

Point #5, direction of 285° true North. Leave the transmitter and proceed north .8 mile to a crossroad. Proceed west from crossroad 2.5 miles to a crossroad. Monitor point is in center of road .1 mile south of the crossroad. The field intensity measured at this point should not exceed 61.5 mv/m.

Point #6, direction of 328° true North. Leave the transmitter and proceed north .8 mile to a crossroad. Proceed west 1.0 mile to a road to the north. Proceed north 1.0 mile to a crossroad. Monitor point is .1 mile west of crossroad on south edge of road. The field intensity measured at this point should not exceed 27.9 mv/m.