FCC Form 334
February 1977

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No.: BZ-810324AN

Call Sign: K C O L

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, 1/ the LICENSEE

BEEF EMPIRE BROADCASTING CO.

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, 1983

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

1. On a frequency of 1410 kHz.
2. With nominal power of 1 kilo watts nighttime and 1 kilo watts daytime,
   with antenna input power of 1080 watts --- directional [Common Point] current 4.65 amperes
   [Common Point] resistance 50 ohms,
   antenna nighttime .....
   and antenna input power of 1000 watts non directional [Antenna] current 3.26 amperes
   [Antenna] resistance 94 ohms
   antenna daytime .....
3. Hours of operation: Unlimited Time.
   Average hours of sunrise and sunset:
   Jan. 7:30 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 6:45 pm;
   May 4:45 am to 7:15 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 (Non-Advanced)
4. With the station located at: Fort Collins, Colorado
5. With the main studio located at: 1612 LaPorte Avenue
   West of Fort Collins, Colorado
6. Remote control point: 1612 LaPorte Avenue
   West of Fort Collins, Colorado
7. Transmitter location:
   1612 LaPorte Avenue
   West of Fort Collins, Colorado
   North Latitude: 40° 35' 34"
   West Longitude: 105° 06' 18"

8. Obstruction marking specifications in accordance with the following paragraphs of FCC Form 715: None required.
9. Transmitter(s): FCC Type Accepted
10. Conditions: ---

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: April 30, 1981

FEDERAL COMMUNICATIONS COMMISSION

KJ

File NO.: BZ810324AN Call Sign: KCOL Date: 4-30-81

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1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

No. and Type of Elements: Two(2) uniform triangular cross section, guyed, series excited vertical radiators.

Height above Insulators: 200' (103°)

Overall Height: 203'

Spacing and Orientation: 527.3'(272°) on a line bearing 297.3°T.

Non-Directional Antenna: E(#1) Tower

Ground System consists of Tower #1: 120 evenly spaced buried copper radials 233' long plus a 40' square ground screen. Tower #2: 137 buried copper radials extending to property limits on north & south, to #1 tower radials on east and to drainage ditch on west. Length varies from 50' to 233'. Area between ditch and property limits has radials connected to main ground system.

2. THEORETICAL SPECIFICATIONS

	E(#1)	W(#2)
Phasing:	0°	0°
Field Ratio:	1.00	

3. OPERATING SPECIFICATIONS

Phase Indication*:	0°	-121.5°
Antenna Base Current Ratio:	1.0	0.65
Antenna Monitor Sample Current Ratio:	1.0	.618

* As indicated by Potomac Instruments AM-19D(210) antenna monitor.

EXEMPTIONS AS LISTED IN SECTION 73.68(b) OF THE RULES WILL APPLY DURING PROPER OPERATION OF APPROVED SAMPLING SYSTEM.

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Field intensity measuring equipment shall be available at all times and the field intensity at each of the monitoring points shall be measured at least once every thirty days and an appropriate record kept of all measurements so made.

DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Direction of 69° true North. Leave transmitter site and proceed south to LaPorte Ave. Turn left on LaPorte and proceed 1.48 miles to the traffic circle at College Ave. Turn left on College Ave. and proceed 0.56 mile to a dirt road on the north side of Poudre River. Turn left and proceed 0.3 mile along dirt road to a fork in the road where a farm road branches left. Monitor point is located by a post in a thinly wooded area. Distance from the array 1.27 miles. The field intensity measured at this point should not exceed 51 mv/m.

Direction of 194° true North. Leave transmitter site and proceed north on Bryan St. 0.3 mile to Vine Dr. Turn left 0.4 mile to Taft Hill Rd. Turn left and proceed 1.8 miles on Taft Hill Rd. to Springfield Dr. Turn left onto Springfield Dr. and proceed east 0.1 mile to Oakwood Dr. Follow Oakwood Dr. 0.1 mile to 1916 Oakwood. Monitor point is in the middle of the drive 15 feet north of the curb. Distance from the array 1.49 miles. The field intensity measured at this point should not exceed 150 mv/m.

Direction of 310° true North. Leave transmitter site and proceed south to LaPorte Ave. Turn right on LaPorte Ave. and proceed to Taft Hill Rd. Proceed across Taft Hill Rd. and continue west on LaPorte Ave. for 1.0 mile to cross road. Turn right and proceed to a turn in the road. Turn left and proceed to a farm house driveway on the north side of the road. Monitor point is located at the southwest edge of a corral behind the farm house. Distance from the array 2.18 miles. The field intensity measured at this point should not exceed 95 mv/m.

Direction of 346° true North. Leave transmitter site and proceed soth to LaPorte Ave. Turn right on LaPorte Ave. and proceed to Taft Hill Rd. Turn right on Taft Hill Rd. and proceed on Taft Hill Rd. for 2.2 miles to a lane leading west. The monitor point is located 0.1 mile west on this lane. Distance from the array 2.0 miles. The field intensity measured at this point should not exceed 29 mv/m.

Nothing contained herein shall be construed as a finding by the Commission on the question of marking or lighting of the antenna system should future conditions require. The licensee expressly agrees to install such marking or lighting as the Commission may hereafter require under the provisions of Section303(q) of the Communications Act of 1934, as amended.

FCC·WASHINGTON, D.C.