

AM BROADCAST STATION LICENSE

Call Sign : KOAQ

LICENSEE: TRACY CORPORATION IV

1. Community of License . . . : Terrytown, NE
2. Transmitter location. : #76 South
Terrytown, NE
North Latitude. : 41° 50' 55"
West Longitude : 103° 40' 02"

3. Transmitter(s): Type Accepted. See Sections 73.1660,
73.1665 and 73.1670 of the Commission's rules)
4. Main Studio Location: (See Section 73.1125)
2002 Char Avenue
Scottsbluff, NE
5. Remote control location
1845 10th Street
Gering, NE

6. Antenna and ground system:
SEE ATTACHED

7. Obstruction marking and lighting specifications - FCC Form 715, paragraphs: A*, H and I

8. Frequency. : 690 kHz

9. Nominal power (kW). : 1.0 Day 0.650 Night

Antenna input power (kW) :

1.08 Day Non-directional antenna: current 4.60 amperes: resistance 51 ohms.
 Directional antenna :

0.702 Night Non-directional antenna: current 3.71 amperes: resistance 51 ohms.
 Directional antenna :

10. Hours of operation : Unlimited

11. Conditions. :
*Special Condition: Paragraph A modified to require use of L-865 medium intensity lights in lieu of L-856. Lights shall emit a peak intensity of approximately 2,000 candelas at night in lieu of 4,000.

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,¹ the LICENSEE is hereby authorized to use and operate the radio transmitting apparatus herein described for the purpose of broadcasting for the term ending 3 A.M. Local Time

June 1, 1997

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.

The license is issued on the licensee's representation that the statements contained in the 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 the 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 control by the Government of the United States conferred by section 606 of the Communications Act of 1934, as amended.

DFL

FEDERAL
COMMUNICATIONS
COMMISSION



¹ This license consists of this page and pages 2 and 3

Dated:

SEP 14 1995

File No.: BL-950809AD

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1. **DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM**

No. and Type of Elements: Two (2) vertical guyed, series excited steel radiators of uniform cross section. Theoretical RMS Daytime: 289.68 mV/m at 1 km; Augmented RMS: 312.78 mV/m at 1 km. Theoretical RMS Nighttime: 73.62 mV/m at 1km; Augmented RMS: 79.61 mV/m at 1 km. Q = 10 Day & Night.

Height above Insulators: 85.3 m (70.7°)

Overall Height: 86.9 m

Spacing and Orientation: Towers are spaced 150° on a line bearing 40° True.

Non-Directional Antenna: None Used.

Ground System consists of 120 equally spaced, buried, copper wire radials between 114.3 m and 143.3 m in length plus a 7.3 m by 7.3 m ground screen at the base of each tower. Intersecting radials are shortened and bonded to a transverse copper strap midway between towers.

2. **THEORETICAL SPECIFICATIONS**

Towers:		#1(NE)	#2(SW)
Phasing:	Day & Night:	0°	50°
Field Ratio:	Day & Night:	1.0	1.7

3. **OPERATING SPECIFICATIONS**

Phase Indication*:		0°	50°
Antenna Base			
Current Ratio:		1.00	1.55
Antenna Monitor Sample			
Current Ratio:		1.00	1.55

*As indicated by Potomac Instruments AM-19 (204) antenna monitor.
Antenna sampling system approved under Section 73.68(b) rules.

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DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Direction of 190° True North. Leave the station on State Highway 29 towards the south, through Gering, Nebraska, for a total distance of 4.0 miles. Turn west on a county road and proceed for 0.3 miles to a ditch road. A concrete marker will be found approximately 100 feet south along this road designating the point. Distance is 3.43 miles from the antenna. The field intensity measured at this point should not exceed 17 mV/m.

Direction of 200° True North. Leave monitor point No. 1, returning east to Highway 29, and turn north following a dirt road to the north where Highway 29 makes a gradual turn to the east. Proceed along this dirt road for 1.5 miles to paved Highway 92. Turn west and travel for 1.2 miles to the point located on the south side of the highway. This point is marked by the station call letters being carved on the fourth barrier post from the west. Distance is 2.28 miles from the antenna. The field intensity measured at this point should not exceed 30 mV/m.