FCC Form 352
June 1984

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No.: BZ-850103AA

Call Sign: KFYR

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,[1] the LICENSEE

MEYER BROADCASTING COMPANY

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, 1990 in accordance with the following:

1. Station location: Bismarck, North Dakota

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

3. Remote control location: 200½ N. 4th St. Bismarck, ND

4. Transmitter location: (SE ¼ of SE ¼ Section 17, R78W, T139) 2½ mi. N. & ¼ mi. W. of Menoken, ND

North latitude: 46 ° 51 ′ 12 ″
West longitude: 100 ° 32 ′ 37 ″

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

6. Antenna and ground system: Attached, see page 2.

7. Obstruction marking and lighting specifications — FCC Form 715, paragraphs: 1, 3, 5, 14 & 21 for NE tower; 1, 3, 12 & 21 for SW tower

8. Frequency (kHz.): 550

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

Antenna input power (kW):

5.0 Day
☒ Non-directional antenna: current 4.4 amperes; resistance 257.5 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 (BP~~ BS-654)
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.

[1] This license consists of this page and pages 2 &3

Dated: OCT 1 1985

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FEDERAL COMMUNICATIONS COMMISSION

OCT 4 1985

FCC Form 353-A
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1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

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

	Northeast Tower	Southeast Tower
Height above Insulators:	689' (138.7°)	330' (66.4°)
Overall Height:	704'	348'

Spacing and Orientation: 494' (100°) between adjacent towers. Line of towers bears 14° True.

Non-Directional Antenna: Northeast Tower - Southwest Tower open circuited at base.

Ground System consists of 120-450' buried copper radials equally spaced about Northeast Tower, plus a 100' square ground screen at base; 120-350' buried copper radials equally spaced about Southwest Tower, plus a 50' diameter copper ground screen at base.

2. THEORETICAL SPECIFICATIONS

Tower	Northeast Tower (1)	Southwest Tower (2)
Phasing:	0°	130°
Field Ratio:	1.0	0.5

3. OPERATING SPECIFICATIONS

Phase Indication*:	-71°	0°
Antenna Base Current Ratio:	0.346	1.00
Antenna Monitor Sample Current Ratio:	0.345	1.00

*** As indicated by** Potomac Instruments AM-19(204) antenna monitor.

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

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 98° true North. Distance from the transmitter 2.75 miles. To reach this point, proceed from KFYR transmitter site 1 mil South along section line road., then proceed 2½ miles East along Section Line Road to a point south of middle of section 23, T139N, R78W. Proceed north 0.65 mile along road into Section 23, T139N, R78W. Measurement was taken in center of the road. The Field intensity measured at this point should not exceed 134 .0 mV/m.

Direction of 134° true North. Distance from transmitter 3.15 miles. To reach this point, proceed from the intersection of U.S. Hwy. No. 10 and first section line west of town of Manoken to second section line east of the town Manoken. Then proceed south 0.1 mile along section line to section corner (NW corner section 35.T139N, R78W). The field intensity measured at this point should not exceed 68 mv/m.

Direction of 217° true North. Distance from transmitter 3.9 miles. To reach this point, proceed from intersection of US Hwy. No. 10 and first section line road west of town of Manoken west along U.S. Hwy. No. 10 a distance of three miles. Then proceed south one mile to east-west section line road. Then 0.55 mile East, to a point along the south side of section 36 T139N, R79W. Measurement was made near top of hill, center of road. The field intensity measured at this point should not exceed 81 mv/m.

Direction of 269° true North. Distance from transmitter 3.75 miles. To reach this point, proceed from KFYR transmitter building along section line road to a point one mile south. Proceed west, along section line road, 4 miles. Turn north 1 mile to SE corner of section 15 T139N, R79W. Measurement was made at center of road intersection. The field intensity measured at this point should not exceed 62.0 mV/m.