

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

File No.: BZ-790815AE
FAC ID-1724
Call Sign W E R K

STANDARD BROADCAST STATION LICENSE
MODIFIED

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

GALESBURG PRINTING AND PUBLISHING 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 AUGUST 1, 1982

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

1. On a frequency of 990 kHz.
 2. With nominal power of --- watts nighttime and 250 watts daytime,
with antenna input power of --- watts --- directional

	current	amperes
	resistance	ohms,

antenna nighttime
and antenna input power of 270 watts --- directional

	Common Point	current	2.32 amperes
	Common Point	resistance	50 ohms

antenna daytime
 3. Hours of operation: Daytime as follows:
Jan. 8:00 am to 5:45 pm; Feb. 7:30 am to 6:15 pm;
Mar. 7:00 am to 6:45 pm; Apr. 6:00 am to 7:15 pm;
May 5:30 am to 7:45 pm; June 5:15 am to 8:15 pm;
July 5:30 am to 8:15 pm; Aug. 5:45 am to 7:45 pm;
Sep. 6:15 am to 6:45 pm; Oct. 6:45 am to 6:00 pm;
Nov. 7:30 am to 5:30 pm; Dec. 8:00 am to 5:15 pm;
Eastern Standard Time (Non-Advanced)
 4. With the station located at: Muncie, Indiana
 5. With the main studio located at: Indiana Hwy. Rt. #3, 3.38 mi. S. of
city limits of Muncie, Indiana
 6. Remote control point: ---
 7. Transmitter location: North Latitude: 40° 06' 54" N
Indiana Hwy. Rt. #3, 3.38 mi. S. of West Longitude: 85° 22' 02" W
City limits of Muncie, Indiana
 8. Obstruction marking specifications in accordance with the following paragraphs of FCC Form 715: Towers No. 4 and No. 5: None required; Towers Nos. 1, 2, 3 and 6: 1, 3, 11 and 21.
 9. Transmitter(s): Type Accepted
 10. Conditions: ---
- 5-2-89: This supersedes authorization as of same date to correct obstruction marking and lighting specifications.

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: February 17, 1980

FEDERAL
COMMUNICATIONS
COMMISSION



KJ

File No.: BZ-790815AE

Call Sign: WERK

Date: 2-17-80

DA-

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

No. and Type of Elements: Six uniform cross-section, guyed, series-excited vertical steel towers.

Height above Insulators: 250' (90.6°)

Overall Height: 254'

Spacing and Orientation: Towers are located in 2 parallel rows with three towers in each spaced 700.43' (253.8°) between adjacent elements on a line bearing 90° True. The two rows are spaced 358.77' (130°) on a line bearing 145° True.

Non-Directional Antenna: None authorized

Ground System consists of 120-300' equally spaced copper radials plus 120-100' interspaced copper radials about the base of each tower. Intersecting radials are shortened and bonded to transverse copper radials about the base of each tower. The ground system of towers #1 and #6 are limited to East and West respectively.

2. THEORETICAL SPECIFICATIONS

	NW(#1)	NC(#2)	NE(#3)	SW(#4)	SC(#5)	SE(#6)
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Phasing:	0°	-5°	-14°	105.4°	100.4°	91.4°
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Field Ratio:	1.0	1.0276	0.3	0.8	0.8221	0.24
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3. OPERATING SPECIFICATIONS

Phase Indication*:	0°	9°	-3°	122°	114°	119°
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Antenna Base Current Ratio:	1.00	0.95	0.26	0.70	0.77	0.18
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Antenna Monitor Sample Current Ratio:	1.00	0.95	0.26	0.704	0.775	0.184
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*As indicated by Potomac Instruments AM-19 (204) antenna monitor.

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

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

DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Direction of 50° true North. Leaving the transmitter go north on Highway 3 1.25 miles to the intersection with county road 400S. Then turn right (east). Go 0.5 miles to Tee intersection with 150E. Turn left (north) and go 0.5 miles to second Tee intersection. Turn right (east) on 350S and proceed 1.50 miles to the Monitor Point. The location is about 25 feet inside entrance to REES Cemetery. This point is 2.9 miles from WERK. The field intensity measured at this point should not exceed 4.9 mv/m.

Direction of 65° true North. Proceed as in going to Monitor Point No. 1. However continue on past No. 1 on the same road 1.0 miles to location No. 2. The reading is taken about 25 feet south of the road, by a small bush. This point is about 3.5 miles from WERK. The field intensity measured at this point should not exceed 6.1 mv/m.

Direction of 90° true North. Proceed as in going to Monitor Point No. 2. However continue on past No. 2 on the same road thru New Burlington to a dead end by the lake. The reading is taken in the road by a large dirt pile. This point is 4.1 miles from WERK. The field intensity measured at this point should not exceed 2.0 mv/m.

Direction of 135° true North. Proceed south from the transmitter on Highway 3 1.7 miles to the intersection with "700S". Turn left (east) and proceed 1.8 miles to the Maplewood Golf Course. The measuring location is about 50 feet southwest of the sign. This point is about 2.5 miles from WERK. The field intensity measured at this point should not exceed 5.1 mv/m.

Direction of 215° true North. Proceed south on highway 3 from the transmitter for 3.1 miles to Luray Road ("95N"). Turn right (west) and go 2.2 miles to the monitor point. The measuring location is 30 feet south of the wooden gate. This point is about 4.0 miles from WERK. The field intensity measured at this point should not exceed 3.6 mv/m.

Direction of 315° true North. Proceed north from transmitter on Highway 3 for 0.3 miles to an intersection from the west. Turn left (west) on "500S" and go 1.75 miles to Cowan Road (100W). Turn right (north) on Cowan Road and go 2.0 miles to Highway 67. Turn left (west) on Highway 67 and go 0.4 miles to monitor point. The measuring point is about 3.4 miles from WERK. The field intensity measured at this point should not exceed 7.5 mv/m.