

UNITED STATES OF AMERICA  
FEDERAL COMMUNICATIONS COMMISSION  
MODIFIED

File No.: BL-14,374

Call Sign: W I N D

STANDARD BROADCAST STATION LICENSE  
ALTERNATE TRANSMITTERS

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

WESTINGHOUSE BROADCASTING COMPANY, INC.

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 **December 1, 1979**

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

1. On a frequency of **560** kHz.
2. With nominal power of **5 kilo** watts nighttime and **5 kilo** watts daytime,  
with antenna input power of **5.4 kilo** watts - directional 

Common Point	current	<b>10.4</b>	amperes
Common Point	resistance	<b>50</b>	ohms,
Common Point	current	<b>10.4</b>	amperes
Common Point	resistance	<b>50</b>	ohms

Hours of operation: **Unlimited**

Average hours of sunrise and sunset:

Jan. 7:15am to 4:45pm; Feb. 6:45am to 5:30pm;

Mar. 6:00am to 6:00pm; Apr. 5:15am to 6:30pm;

May 4:30am to 7:00pm; June 4:15am to 7:30pm;

July 4:30am to 7:30pm; Aug. 5:00am to 7:00pm;

Sep. 5:30am to 6:00pm; Oct. 6:00am to 5:15pm;

Nov. 6:45am to 4:30pm; Dec. 7:15am to 4:15pm;

Central Standard Time (non-advanced)

1. With the station located at: **Chicago, Illinois**
5. With the main studio located at: **625 North Michigan Avenue**  
**Chicago, Illinois**
6. Remote control point: **625 North Michigan Avenue**  
**Chicago, Illinois**
7. Transmitter location: **3000 N. Colfax St.**  
**Griffith, Indiana**

North Latitude:  
West Longitude:

**41° 33' 54"**  
**87° 25' 11"**

8. Obstruction marking specifications in accordance with the following paragraphs of FCC Form 715: **1, 3, 4, 13 & 21.**
9. Transmitter(s): **WESTINGHOUSE FQM-5, COLLINS 820F-1, RCA BTA-5T**
10. Conditions: **See page 1A.**

**This supersedes authorization issued same date to correct transmitter location, ground system and monitor points.**

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 **1A, 2, 3 & 4.**

Dated **July 18, 1978**

FEDERAL  
COMMUNICATIONS  
COMMISSION



This grant is subject to the following condition:

Conditioned on, and without prejudice to whatever action, if any, the Commission may deem appropriate upon conclusion of the proceedings in: (1) United States v. Westinghouse Electric Corporation, (Civil Action C-70-852, United States District Court for the Northern District of California); (2) Appalachian Power Company v. General Electric Company, et. al., (Civil Action 71-5677, United States District Court for the Southern District of New York); and, (3) That the licensee shall immediately notify the Commission of the final disposition of each case.

File No: BL-14,374

Call Sign: WIND

Date: 7-18-78

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

No. and Type of Elements: <sup>DA-2</sup> Four uniform cross section, guyed, series excited steel towers. A 13' diameter lightning elimination umbrella is mounted atop each tower..

Height above Insulators: 492' (100.5°)

Overall Height: 497'

Spacing and Orientation: Towers are arranged in the shape of a rectangle. The long sides are 975.8' (200°) in length and bear 65° true and the short sides are 414.7' (85°) in length and bear 155° true.

Non-Directional Antenna: None authorized

Ground System consists of 120 equally spaced buried copper radials from 190' to 650' in length plus 48' square ground screen. Intersecting radials are bonded to copper strap.

2. THEORETICAL SPECIFICATIONS

	Tower	NW(1)	SW(2)	NE(3)	SE(4)
Phasing:	Night	0°	+90°	+15°	+105°
	Day	0°	+90°	0°	90°
Field Ratio:	Night	0.8	0.8	1.0	1.0
	Day	0.15	0.5	0.3	1.0

3. OPERATING SPECIFICATIONS

Phase Indication:*					
	Night	-94°	-15°	-79°	0°
	Day	-79°	-0.3°	-79°	0°

Antenna Base

Current Ratio					
	Night	0.803	0.811	0.998	1.00
	Day	0.133	0.488	0.272	1.00

Current Ratio:

	Night	0.80	0.80	1.00	1.00
	Day	0.141	0.50	0.281	1.00

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

"Section 73.114(A)(8) of the rules and any requirement for weekly monitoring points readings are WAIVED during proper operation of approved sampling system: Provided, Monitoring Point readings are made at least once every Thirty days."

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  $32^{\circ}$  true North. Starting from the transmitter proceed North on Colfax Street for a distance of approximately 1.6 miles to the intersection of W. 15th Avenue and Colfax. Turn right onto W. 15th Avenue and proceed East for a distance of approximately 1.0 mile to the intersection of W. 15th Avenue and Clark Street. Turn left onto Clark Street and proceed North for a distance of approximately 0.7 mile to the Holy Rosary School in the city of Gary. Turn right into the School parking lot and proceed East carefully to behind the school. The point is 20 paces East of the East Basketball Goal in line with the two poles. Distance from the transmitter 2.68 miles. The field intensity measured at this point should not exceed 56 mV/m, NIGHTTIME.

Direction of  $92^{\circ}$  true North. Starting from the transmitter proceed North on Colfax Street for a distance of approximately 0.10 mile to the intersection of 29th and Colfax. Turn right onto 29th Street and proceed East for a distance of approximately 0.50 mile to the intersection of Burr Street and 29th Street. Turn left onto Burr Street and proceed North for approximately 0.2 mile to the Burr Street Interchange. Turn right onto the East Gary entrance ramp and proceed East for a distance of approximately 3.3. miles to the Broadway South exit. Proceed south for a distance of approximately 0.2 mile to first park thru road. Turn right onto the park thru road. Follow the elbow North and then almost immediately West for a distance of approximately 0.5 mile to the intersection of Harrison and the park thru road. Park in one of the parking spaces closest to the intersection. Walk to the intersection then turn left onto Harrison, walk south over the stone bridge. The point is 44 paces south of the southeast corner of the stone bridge right by the no parking sign. Distance from the transmitter 3.81 miles. The field intensity measured at this point should not exceed 41 mV/m, DAY.

Direction of  $100.5^{\circ}$  true North. Starting from the transmitter proceed South on Colfax Street for a distance of approximately 1.0 mile to the intersection of Ridge Road and Colfax. Turn left onto Ridge and proceed East for a distance of approximately 3.0 miles to the intersection of Ridge Road and Grant Street. Turn left onto Grant Street and proceed North on Grant for a distance of approximately 0.4 mile to the intersection of W. 35th Avenue and Grant. Turn right onto W. 35th Avenue and proceed East for a distance of 7 blocks. The point is on the North side of the street directly opposite house #825 which is the second house East of Tyler Street, in the city of Gary. Distance from the transmitter 3.84 miles. The field intensity measured at this point should not exceed 20.5mV/m, NIGHTTIME.

Direction of  $154^{\circ}$  true North. Starting from the transmitter proceed south on Colfax Street for a distance of approximately 1.9 miles to the intersection of W. 45th Ave., and Colfax. Turn left onto W. 45th Avenue and proceed East for a distance of approximately 0.5 mile to the intersection of Burr Street and W. 45th Avenue. Turn left onto Burr Street and proceed North on Burr then follow curve East on 44th Ave., to dead end. The point is by the South-East point of House 5312. Distance to the transmitter is 2.00 miles. The field intensity measured at this point should not exceed 20 mV/m, NIGHTTIME and 186 mV/m, DAY.

DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS: (CONTINUED)

Direction of  $197^{\circ}$  true North. Starting from the transmitter proceed south on Colfax Street for a distance of approximately 1.9 miles to the intersection of W. 45th Avenue and Colfax. Turn right onto W. 45th Avenue and proceed west for a distance of approximately 1.0 mile to the intersection of Cline or Turner and W. 45th Avenue. Turn left onto Turner and proceed south for a distance of approximately 0.5 mile to the intersection of Elm (W. 49th Avenue) and Turner. Turn right onto Elm (W. 49th Avenue) and proceed west for a distance of one block. The point is on the South-West corner of the intersection of Elm (W. 49th Avenue) and Lindberg Street, in the town of Griffith. Distance from the transmitter 2.50 miles. The field intensity measured at this point should not exceed 52 mV/m, NIGHTTIME.

Direction of  $228.5^{\circ}$  true North. Starting from the transmitter proceed South on Colfax Street for a distance of approximately 1.9 mile to the intersection of W. 45th Avenue and Colfax. Turn right onto W. 45th Avenue and proceed West for a distance of approximately 2.0 miles to the intersection of Forrest Drive and W. 45th Avenue. Turn right onto Forrest Drive and proceed North for a distance of approximately 0.2 mile then follow Elbow North-West for a distance of approximately 0.2 mile. The point is at the intersection of the sidewalk and driveway of House 9414 Forrest Drive in the town of Highland. Distance from the transmitter 2.35 miles. The field intensity measured at this point should not exceed 42.5 mV/m, NIGHTTIME.

Direction of  $270^{\circ}$  true North. Starting from the transmitter proceed south on Colfax Street for approximately 1.0 mile to intersection of Ridge Road then west on Ridge Road for approximately 4.0 miles to intersection of White Oak Avenue in town of Munster. Turn right onto White Oak Avenue and proceed north a distance of approximately 0.45 mile to residence #8150. The point is in front of this residence. Distance from the transmitter is 3.69 miles. The field intensity measured at this point should not exceed 75 mv/m, DAYTIME.