



United States of America
FEDERAL COMMUNICATIONS COMMISSION
AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

SUSAN S BUCKWALTER, ADMINISTRATOR
C/O REILLY LAW OFFICES
6801 SPRING CREEK ROAD, STE 2D
ROCKFORD IL 61114

Son Nguyen
Supervisory Engineer
Audio Division
Media Bureau

Facility Id: 2255

Call Sign: WLUV

License File Number: BML-20210811AAE

Grant Date: December 09, 2021

This license expires 3:00 a.m.
local time, December 01, 2028.

License to modify BZ-20200609AAN to change from commercial to non-commercial, and to correct missing conditions.

Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this license, the licensee is hereby authorized to use and operate the radio transmitting apparatus herein described.

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 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. 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.

Hours of Operation: Daytime with Secondary nighttime

Average hours of sunrise and sunset:
Local Standard Time (Non-Advanced)

Jan.	7:30 AM	4:45 PM	Jul.	4:30 AM	7:30 PM
Feb.	7:00 AM	5:30 PM	Aug.	5:00 AM	7:00 PM
Mar.	6:15 AM	6:00 PM	Sep.	5:30 AM	6:15 PM
Apr.	5:15 AM	6:30 PM	Oct.	6:15 AM	5:15 PM
May	4:30 AM	7:15 PM	Nov.	6:45 AM	4:30 PM
Jun.	4:15 AM	7:30 PM	Dec.	7:15 AM	4:30 PM

Name of Licensee: SUSAN S BUCKWALTER, ADMINISTRATOR

Station Location: LOVES PARK, IL

Frequency (kHz): 1520

Station Class: D

Antenna Coordinates:

Day

Latitude: N 42 Deg 19 Min 48 Sec

Longitude: W 89 Deg 04 Min 58 Sec

Night

Latitude: N 42 Deg 19 Min 48 Sec

Longitude: W 89 Deg 04 Min 58 Sec

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

Nominal Power (kW): Day: 0.5 Night: 0.012

Antenna Input Power (kW): Day: 0.386 Night: 0.0097

Antenna Mode: Day: ND Night: ND

(DA=Directional Antenna, ND=Non-directional Antenna; CH=Critical Hours)

Current (amperes): Day: 2.53 Night: 0.4

Resistance (ohms): Day: 61 Night: 61

Non-Directional Antenna: Day

Radiator Height: 89.3 meters; 163 deg

Theoretical Efficiency: 317.04 mV/m/kw at 1km

Non-Directional Antenna: Night

Radiator Height: 89.3 meters; 163 deg

Theoretical Efficiency: 317.04 mV/m/kw at 1km

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1019526	

Night:

Tower No.	ASRN	Overall Height (m)
1	1019526	

Special operating conditions or restrictions:

- 1 The licensee in coordination with other users of the site must reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.

- 2 The antenna shall be excited with a symmetrical folded unipole feed, utilizing a minimum of three folds. Slant wire is not permitted.

- 3 Ground system consists of 120 equally spaced, buried, copper radials, 48.8 meters in length, plus 120 interspersed radials 12.2 meters in length, about the base of the tower.

- 4 The actually efficiency of antenna is 360.7 mV/m/kW at 1 km, but it is restricted to 317.04 mV/m/kW at 1 km, therefore the input power levels have been adjusted down to 0.386 kW day, and 0.0097 kW night.

*** END OF AUTHORIZATION ***