

**United States of America  
FEDERAL COMMUNICATIONS COMMISSION  
EXPERIMENTAL  
RADIO STATION CONSTRUCTION PERMIT  
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

WE2XHS

(Call Sign)

XD MO

(Class of Station)

0254-EX-RR-2008

(File Number)

NAME Ameren Services Co., as agent for Union Electric Co. d/b/a AmerenUE

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 and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(i) of the Commission's Rules

Station Locations

- (1) MOBILE: Callaway Nuclear Plant, Fulton (CALLAWAY), MO, primarily indoor use, within 1 km, centered around NL 38-45-41; WL 91-46-56

Frequency Information

MOBILE: Callaway Nuclear Plant, Fulton (CALLAWAY), MO, primarily indoor use, within 1 km, centered around NL 38-45-41; WL 91-46-56

| Frequency          | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|--------------------|---------------|---------------------|------------------|---------------------------|
| 150.8-157.0375 MHz | MO            | 80K0F3E             | 0.05 W (ERP)     |                           |
| 150.8-157.0375 MHz | MO            | 20K0F3E             | 0.05 W (ERP)     |                           |
| 169.505 MHz        | MO            | 70K0F3E             | 0.05 W (ERP)     |                           |
| 169.505 MHz        | MO            | 36K0F3E             | 0.05 W (ERP)     |                           |

This authorization effective February 18, 2009 and  
will expire 3:00 A.M. EST February 18, 2010

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

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| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 170.245 MHz | MO            | 70K0F3E             | 0.05 W (ERP)     |                           |
| 170.245 MHz | MO            | 36K0F3E             | 0.05 W (ERP)     |                           |
| 171.045 MHz | MO            | 70K0F3E             | 0.05 W (ERP)     |                           |
| 171.045 MHz | MO            | 36K0F3E             | 0.05 W (ERP)     |                           |
| 171.905 MHz | MO            | 70K0F3E             | 0.05 W (ERP)     |                           |
| 171.905 MHz | MO            | 36K0F3E             | 0.05 W (ERP)     |                           |
| 174-216 MHz | MO            | 20K0F3E             | 0.05 W (ERP)     |                           |
| 174-216 MHz | MO            | 44K0F3E             | 0.05 W (ERP)     |                           |
| 174-216 MHz | MO            | 84K0F3E             | 0.05 W (ERP)     |                           |
| 174-216 MHz | MO            | 84K0F3E             | 0.05 W (ERP)     |                           |

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| Frequency   | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-------------|---------------|---------------------|------------------|---------------------------|
| 470-608 MHz | MO            | 74K0F3E             | 0.05 W (ERP)     |                           |
| 518-608 MHz | MO            | 90K0F3E             | 0.1 W (ERP)      |                           |
| 518-608 MHz | MO            | 160KF3E             | 0.1 W (ERP)      |                           |
| 614-746 MHz | MO            | 74K0F3E             | 0.05 W (ERP)     |                           |
| 614-746 MHz | MO            | 91K0F3E             | 0.05 W (ERP)     |                           |

## Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9247 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail, [executivedir@sbe.org](mailto:executivedir@sbe.org); information, [www.sbe.org](http://www.sbe.org).
- (3) Operation is NOT permitted on the distress and calling frequency 156.8 MHz. Guard bands of 156.7625-156.7875 MHz and 156.8125-156.8375 MHz must be maintained.
- (4) Radios are not to go beyond the nuclear power plant property.