



December 20, 2013

ULNRC-06057

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555-0001

10 CFR 2.101  
10 CFR 2.109(b)  
10 CFR 50.4  
10 CFR 50.30  
10 CFR 51.53(c)  
10 CFR 54

Ladies and Gentlemen:

**DOCKET NUMBER 50-483  
CALLAWAY PLANT UNIT 1  
UNION ELECTRIC CO.  
FACILITY OPERATING LICENSE NPF-30  
ANNUAL UPDATE TO THE CALLAWAY LICENSE RENEWAL APPLICATION  
AND RESPONSE TO RAI SET #28**

- References:
- 1) ULNRC-05830 dated December 15, 2011
  - 2) ULNRC-05939 dated December 19, 2012
  - 3) NRC Letter, "Request for Additional Information for the Review of the Callaway Plant, Unit 1 License Renewal Application, Set 28 (TAC No. ME7708)," dated October 7, 2013

By the Reference 1 letter, Union Electric Company (Ameren Missouri) submitted a license renewal application (LRA) for Callaway Plant Unit 1. The application included the License Renewal Application (LRA), and the Applicant's Environmental Report – Operating License Renewal Stage. Reference 2 transmitted the 2012 LRA Annual Update. As required by 10 CFR 54.21(b), each year following submittal of the LRA, an amendment to the LRA must be submitted that identifies any change to the current licensing basis (CLB) that materially affects the contents of the LRA, including the Final Safety Analysis Report (FSAR) supplement. Reference 3 dated October 7, 2013 transmitted Request for Additional Information (RAI) Set 28 related to our application.

This LRA Annual Update covers the period from October 1, 2012 through September 30, 2013, with the exception of the FSAR portion. The FSAR portion of this update includes FSAR changes made in FSAR Revision OL-20 covering the period up to May 29, 2013. The Annual Update is contained in

LRA Amendment 28 (Enclosure 2) and identifies LRA changes (line-in/line-out LRA pages) that have been made to reflect the following:

- (1) Changes to the CLB that materially affect the LRA
  - a. There have been no additional changes to the CLB that materially affect the LRA.
- (2) Updates to commitments
  - a. Revised Commitment 4 in LRA Table A4-1 to show implementation of the Reactor Vessel Internals program (MRP-227-A).
  - b. Revised Commitment 6 regarding inspections of internal coatings in Open-Cycle Cooling Water Systems.
  - c. Revised Commitment 9 to reflect completion of visual inspection of the Halon fire protection system components.
  - d. Revised Commitment 10 regarding enhanced inspections of the fire water system.
  - e. Revised Commitment 13 to reflect completion of commitments regarding the Reactor Vessel Surveillance Program.
  - f. Revised Commitment 17 regarding the External Surfaces Monitoring of Mechanical Components program.
  - g. Revised Commitment 33 to delete a reference to LRA Section B2.1.6.
  - h. Revised 4 commitments to refer to Ameren Missouri rather than Callaway. This includes Commitments 34, 35, 41, and 42 in LRA Table A4-1.
- (3) Implementation of NRC License Renewal Interim Staff Guidance
  - a. LR-ISG-2012-02

Ameren Missouri has routinely included amendments to the LRA with responses to requests for additional information (RAI). Information from previous amendments (Amendments 19-27) is not repeated in Enclosure 2. For reference, a summary table of LRA correspondence for the 12 month period covered by this update is included in Enclosure 3.

Reference 3 dated October 7, 2013 transmitted Request for Additional Information (RAI) Set #28 related to our application. Enclosure 1 contains Ameren Missouri's response to the request contained in the October 7, 2013 RAI. Amendment 28 (Enclosure 2) also includes changes made as a result of the RAI response.

If you have any questions with regard to this update, please contact me at (573) 489-9435 or D. Shafer at (314) 800-8003.

I declare under penalty of perjury that the foregoing is true and correct.

Sincerely,

*Sarah Kovaleski*

Executed on: December 20, 2013

Sarah Kovaleski  
Director, Engineering Design

DES/nls

Enclosures: 1) Request for Additional Information (RAI) Set #28 Response  
2) Amendment 28, LRA Changes for LRA Annual Update and RAI Set 28  
3) Summary of LRA Correspondence

cc: U.S. Nuclear Regulatory Commission (Original)  
Attn: Document Control Desk  
Washington, DC 20555-0001

Mr. Marc L. Dapas  
Regional Administrator  
U. S. Nuclear Regulatory Commission  
Region IV  
1600 East Lamar Boulevard  
Arlington, TX 76011-4511

Senior Resident Inspector  
Callaway Resident Office  
U.S. Nuclear Regulatory Commission  
8201 NRC Road  
Steedman, MO 65077

Mr. Samuel Cuadrado De Jesús  
Project Branch 1  
Division of License Renewal  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Mail Stop O-11F1  
Washington, DC 20555

Mr. Fred Lyon  
Project Manager, Callaway Plant  
Office of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Mail Stop O-8B1  
Washington, DC 20555-2738

Mr. Gregory A. Pick  
U. S. Nuclear Regulatory Commission  
Region IV  
1600 East Lamar Boulevard  
Arlington, TX 76011-4511

**Index and send hardcopy to QA File A160.0761**

**Hardcopy:**

Certrec Corporation  
4150 International Plaza Suite 820  
Fort Worth, TX 76109  
(Certrec receives ALL attachments as long as they are non-safeguards and may be publicly disclosed.)

**Electronic distribution for the following can be made via Tech Spec ULNRC Distribution:**

A. C. Heflin  
F. M. Diya  
C. O. Reasoner III  
D. W. Neterer  
B. L. Cox  
L. H. Graessle  
J. S. Geyer  
S. A. Maglio  
B. C. Daniels  
NSRB Secretary  
M. A. McLachlan  
G. S. Kremer  
S. G. Kovaleski  
T. B. Elwood  
G. G. Yates  
E. A. Blocher (STARS PAM COB)  
STARS Regulatory Affairs  
Mr. John O'Neill (Pillsbury Winthrop Shaw Pittman LLP)  
Missouri Public Service Commission  
Ms. Leanne Tippett-Mosby (DNR)