



August 30, 2012

ULNRC-05902

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
RESPONSES TO E-RAI SET #2 TO THE CALLAWAY LRA**

- References: 1) ULNRC-05830 dated December 15, 2011
2) NRC Letter, "Requests For Additional Information for the Review of the Callaway Plant, Unit 1 License Renewal Application, Set 2 (TAC NOS ME7715 AND ME7716)," dated August 6, 2012.

By the Reference 1 letter, Union Electric Company (Ameren Missouri) submitted a License Renewal Application (LRA) for Callaway Plant Unit 1. Reference 2 dated August 6, 2012 transmitted the second set of Requests for Additional Information (RAIs) related to the environmental portion of our application.


Enclosure 1 contains Ameren Missouri's responses to the individual requests contained in the August 6, 2012 RAI. Enclosures 2 through 7 are referenced in Enclosure 1.

If you have any questions with regard to these RAI responses, please contact me at (573) 823-9286 or Ms. Sarah Kovaleski at (314) 225-1134.

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

Sincerely,

Executed on: August 30, 2012


Les H. Kanuckel
Manager, Engineering Design

DS/SGK/nls

Enclosures:

- 1) Request for Additional Information (RAI) E-RAI Set #2 Responses
- 2) 401 Certification for Union Electric Callaway Unit 1, dated August 7, 2012
- 3) Threatened and Endangered Species Correspondence
- 4) Standard Operating Procedures (SOP) for the Callaway Nuclear Plant Unit 2 Siting Study, Natural Resources Field Sampling and Analysis, November 30, 2007 (MACTEC 2007)
- 5) Meeting/Telecon Record dated 5-14-2012, Tetra Tech/Missouri Dept of Conservation
- 6) Ameren Transmission Vegetation Management Program
- 7) Preliminary Jurisdictional Wetland and Stream Determination Report for the Callaway Plant, June 19, 2009

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

Mr. Elmo E. Collins
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

Ms. Carmen G. Fells
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. 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
Senior Project Manager, Callaway Plant
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Mail Stop O-8G14
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
L. H. Graessle
J. S. Geyer
S. A. Maglio
R. Holmes-Bobo
NSRB Secretary
L. H. Kanuckel
S. G. Kovaleski
T. B. Elwood
G. G. Yates
E. Blocher (STARS PAM COB)
Mr. Bill Muilenburg (WCNOC)
Mr. Tim Hope (Luminant Power)
Mr. Ron Barnes (APS)
Mr. Tom Baldwin (PG&E)
Mr. Mike Murray (STPNOC)
Ms. Linda Conklin (SCE)
Mr. John O'Neill (Pillsbury Winthrop Shaw Pittman LLP)
Missouri Public Service Commission
Mr. Dru Buntin (DNR)