



September 20, 2012

ULNRC-05907

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 RAI SET #8 AND AMENDMENT 10 TO THE CALLAWAY LRA**

- References: 1) ULNRC-05830 dated December 15, 2011
2) NRC Letter, "Request for Additional Information for the Review of the Callaway Plant, Unit 1 License Renewal Application, Set 8 (TAC No. ME7708)," dated August 23, 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 23, 2012 transmitted the eighth Request for Additional Information (RAI) related to our application.

Enclosure 1 contains Ameren Missouri's responses to the individual requests contained in the August 23, 2012 RAI. Enclosure 2 contains LRA Amendment 10 to reflect changes made as a result of the RAI responses.

It should be noted that there are no changes to commitments contained within this response.

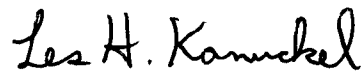
If you have any questions with regard to these RAI responses, or Amendment 10, please contact me at (573) 823-9286 or Ms. Sarah Kovaleski at (314) 225-1134.

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

Sincerely,

Executed on: September 20, 2012



Les H. Kanuckel
Manager, Engineering Design

DS/SGK/nls

Enclosures: 1) Request for Additional Information (RAI) Set #8 Responses
2) Amendment 10, LRA Changes from RAI Responses

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