



September 24, 2012

ULNRC-05908

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 SAMA RAI SET #1 TO THE CALLAWAY LRA**

- References: 1) ULNRC-05830 dated December 15, 2011  
2) NRC Letter, "Requests for Additional Information on Severe Accident Mitigation Alternatives for Callaway Plant, Unit 1 (TAC No. ME7716)," dated July 18, 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 July 18, 2012 transmitted Requests for Additional Information (RAI) related to Severe Accident Mitigation Alternatives (SAMA).

Enclosure 1 contains Ameren Missouri's responses to the individual requests contained in the July 18, 2012 RAIs, with the exception of Item 7a. The response to Item 7a will be provided by separate correspondence. Attachment 1 and Enclosures 2 through 4 supplement the responses in Enclosure 1.

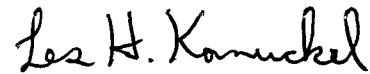
It should be noted that there are no changes to commitments contained within this response.

If you have any questions with regard to these RAI responses, 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: September 24, 2012



Les H. Kanuckel  
Manager, Engineering Design

DS/SGK/nls

- Enclosures: 1) Request for Additional Information (RAI) Responses for SAMA  
Attachment 1) Revised SAMA Tables  
2) Excerpts from the Callaway Level 2 Analysis  
3) Response to RAIs 5e and 5f  
4) Callaway Level 2 Analysis, Appendix E

cc: U.S. Nuclear Regulatory Commission (Original)  
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