



February 5, 2018

ULNRC-06410

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

10 CFR 50.90

Ladies and Gentlemen:

**DOCKET NUMBER 50-483  
CALLAWAY PLANT UNIT 1  
UNION ELECTRIC CO.  
RENEWED FACILITY OPERATING LICENSE NPF-30  
RESPONSE TO REQUESTS FOR ADDITIONAL INFORMATION CONCERNING  
PROPOSED REVISION OF CALLAWAY'S FSAR-DESCRIBED COMPLIANCE WITH  
REGULATORY GUIDE 1.106 REGARDING MOV THERMAL OVERLOAD  
PROTECTION (LDCN 16-0001)**

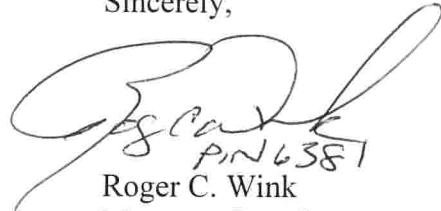
By letter dated April 6, 2017 (ADAMS Accession No. ML17097A425), Union Electric Company (dba Ameren Missouri) submitted a license amendment request (LAR) for the Callaway Plant. The proposed amendment would revise the FSAR description of Callaway's compliance with NRC Regulatory Guide (RG) 1.106, Revision 1, "Thermal Overload Protection for Electric Motors on Motor-Operated Valves." Specifically, FSAR Standard Plant Appendix 3A, "Conformance to NRC Regulatory Guides," and FSAR Standard Plant Section 8.3.1.1.2.e, "480-V Motor Control Center Overcurrent Relaying," would be revised to incorporate a clear description of how Callaway complies with RG 1.106 in regard to the control and/or bypassing of thermal overload protection (TOP) devices for motor-operated valves (MOVs) during routine/maintenance testing of such valves. The proposed change would allow MOV TOP devices to remain bypassed during routine valve stroke surveillances (such that the TOP bypass jumpers are not removed during such testing), which is not in strict compliance with RG 1.106.

During the review of the submitted LAR, the NRC staff determined that requests for additional information (RAIs) were needed to complete the review. The NRC transmitted RAIs to Ameren Missouri in electronic form on October 31, 2017, and requested that the responses be provided by January 24, 2018, which was extended to February 9, 2018 at the request of Ameren Missouri. Accordingly, the RAI responses are provided in enclosures to this letter.

This letter does not contain new commitments. If there are any questions, please contact Mr. Tom Elwood at 314-225-1905.

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

Sincerely,

A handwritten signature in black ink, appearing to read 'R. Wink', with the alphanumeric string 'PIN 6381' written below it.

Roger C. Wink  
Manager, Regulatory Affairs

Executed on: 2/5/18

Enclosures:

1. Responses to Requests for Additional Information
2. Response to Request for Additional Information item 1.a
3. Response to Request for Additional Information item 1.c
4. Response to Request for Additional Information item 1.d (MOV Performance Indicator Report for Cycle 19)
5. Response to Request for Additional Information item 1.d (MOV Performance Indicator Report for Cycle 20)
6. Response to Request for Additional Information item 1.d (MOV Performance Indicator Report for Cycle 21)

cc: Mr. Kriss M. Kennedy  
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U. S. Nuclear Regulatory Commission  
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