

March 25, 2004

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Mail Stop P1-137  
Washington, DC 20555-0001

ULNRC-04966



Ladies and Gentlemen:

**DOCKET NUMBER 50-483  
CALLAWAY PLANT UNIT 1  
UNION ELECTRIC CO.  
FACILITY OPERATING LICENSE NPF-30  
SUPPLEMENT TO RESPONSE TO NRC BULLETIN 2003-01,  
"POTENTIAL IMPACT OF DEBRIS BLOCKAGE ON EMERGENCY  
SUMP RECIRCULATION AT PRESSURIZED-WATER REACTORS"**

Ref: ULNRC-04884, dated August 8, 2003

This letter transmits changes to the Union Electric Company (AmerenUE) NRC bulletin 2003-01 response and regulatory commitments contained in the reference. This supplement is being submitted in accordance with guidance provided by industry document NEI 99-04, "Guidelines for Managing NRC Commitment Changes," as endorsed in Regulatory Issue Summary 00-017, "Managing Regulatory Commitments Made by Power Reactor Licensees to the NRC Staff."

The reference contained a commitment to conduct an inspection to confirm that there are no adverse gaps or breaches in the sump screens. This commitment also contained the acceptance criteria of no larger than 1/8 inch for the inner screen and no larger than 1/2 inch for the middle screen.

AmerenUE is not changing the portion of the commitment related to conducting the inspection, but has modified the inspection acceptance criteria by adding acceptable tolerances to each criterion associated with breaches in the sump screens. Prior to plant restart following the spring, 2004 refueling outage, Callaway will perform an inspection to verify that there are no gaps or breaches larger than  $1/8 \pm 1/16$  inch in the inner sump screen and no larger than  $1/2 \pm 1/8$  inch in the middle sump screen. Inspection findings will be evaluated using acceptance criteria contained in plant design documents and any deficiencies identified will be entered into the plant work control and corrective action program to report and resolve the identified deficiency.

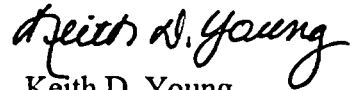
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In addition, AmerenUE is revising its response to Bulletin 2003-01 contained in the reference. In response item 1, bullet 1, the use of Essential Service Water (ESW) System via drain to containment recirculation sump as an alternative water source is being deleted. Further reviews by Callaway Engineering and Operations Departments have concluded that this method is not a practical option for providing additional inventory to inject into the reactor core or spray into the containment atmosphere.

If you have any questions regarding this submittal, please contact me at (573) 676-8659 or Mr. Dave Shafer, Superintendent – Licensing at (314) 554-3104.

Sincerely,



Keith D. Young

Manager – Regulatory Affairs

Attachments: I Affidavit  
II List of Commitments

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cc: U.S. Nuclear Regulatory Commission (Original and 1 copy)  
Attn: Document Control Desk  
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Washington, DC 20555-0001

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STATE OF MISSOURI     )  
                                  )  
COUNTY OF CALLAWAY )

SS



Keith D. Young, of lawful age, being first duly sworn upon oath says that he is Manager, Regulatory Affairs for Union Electric Company; that he has read the foregoing document and knows the content thereof; that he has executed the same for and on behalf of said company with full power and authority to do so; and that the facts therein stated are true and correct to the best of his knowledge, information and belief.

By Keith D. Young  
Keith D. Young  
Manager, Regulatory Affairs

SUBSCRIBED and sworn to before me this 23<sup>rd</sup> day of March, 2004.

Cathy J. Crisp  
Notary Public  
State of Missouri  
Expiration 1-29-06

### LIST OF COMMITMENTS

The following table identifies those actions committed to by AmerenUE in this document. Any other statements in this document are provided for information purposes and are not considered commitments. Please direct questions regarding these commitments to Mr. David E. Shafer at (314) 554-3104.

<b>COMMITMENT</b>	<b>Due Date/Event</b>
Accessible sump screen surfaces will be inspected to confirm that the sump enclosure boundaries formed by the middle screens, gratings, and miscellaneous structural steel have no openings that are larger than 1/2 +/- 1/8 inch, or for boundaries formed by the inner screens, gratings, and miscellaneous structural steel that there are no openings larger than 1/8 +/- 1/16 inch. Inspection findings will be evaluated using acceptance criteria contained in plant design documents and any deficiencies identified will be entered into the plant work control and corrective action program to report and resolve the identified deficiency.	Prior to plant restart following the spring, 2004 refueling outage.