

September 6, 1995

Donald F. Schnell  
Senior Vice President  
Nuclear

U.S. Nuclear Regulatory Commission  
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Gentlemen:

ULNRC-03264

**DOCKET NUMBER 50-483  
CALLAWAY PLANT UNIT 1  
REVISION TO TECHNICAL SPECIFICATION SECTIONS  
5.3.1 AND 5.6.1.1, AND FIGURE 3.9-1  
CONCERNING SPENT FUEL POOL STORAGE**

Union Electric Company herewith transmits an application for Amendment to Facility Operating License No. NPF-30 for the Callaway Plant.

This amendment request is in support of reload design activities for Callaway Refuel 8, scheduled for Fall 1996. This amendment request proposes to modify Technical Specification section 5.3.1 to reflect a change in the maximum initial enrichment to 5.0 w/o U-235 for reload fuel, subject to the IFBA requirements in the same Technical Specification section. TS 5.3.1 is also changed to increase the maximum fuel enrichment not requiring integral fuel burnable absorbers (IFBAs) from 3.85 to 4.10 w/o U-235.

This request also changes the maximum reference  $K_{\infty}$  from 1.455 to 1.480 for storage in Region 1 of the Spent Fuel Pool. Technical Specification Figure 3.9-1 is also to be revised to reflect a maximum initial enrichment of 5.0 w/o for storage in Region 2. The Region 2 analysis was previously submitted and was approved by the NRC via Amendment 82 to Facility Operating License NPF-30, dated July 7, 1993.

The Callaway Plant On-Site Review Committee and the Nuclear Safety Review Board have reviewed and approved this amendment request. Attachments 1 through 5 provide the marked up Technical Specification pages,

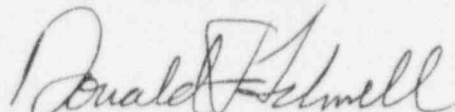
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retyped Technical Specification pages, Safety Evaluation, Significant Hazards Evaluation, and Environmental Consideration, respectively. Attachment 6 documents the Callaway Plant Region 1 Spent Fuel Rack Criticality Analysis supporting this amendment request.

Union Electric must finalize the Reload 8 fuel design on February 1, 1996. We therefore enlist NRC's support to schedule review of this proposed amendment so that questions are resolved and approval is achieved prior to this date.

Very truly yours,



Donald F. Schnell


WBM/sld

Attachments: 1. Marked Up Technical Specification Pages  
2. Retyped Technical Specification Pages  
3. Safety Evaluation  
4. Significant Hazards Evaluation  
5. Environmental Consideration  
6. LFNF-95-02, Rev. 0, "Callaway Plant Region 1 Spent Fuel Rack Criticality Analysis", August 1995

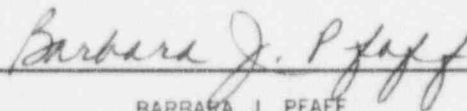
STATE OF MISSOURI     )  
                              )  
CITY OF ST. LOUIS     )     S S

Donald F. Schnell, of lawful age, being first duly sworn upon oath says that he is Senior Vice President-Nuclear and an officer of 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

  
Donald F. Schnell  
Senior Vice President  
Nuclear

SUBSCRIBED and sworn to before me this 6<sup>th</sup> day  
of September, 1995.

  
BARBARA J. PFAFF  
NOTARY PUBLIC - STATE OF MISSOURI  
MY COMMISSION EXPIRES APRIL 22, 1997  
ST. LOUIS COUNTY

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