

## NRR-PMDAPEm Resource

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**From:** Klos, John  
**Sent:** Tuesday, November 15, 2016 7:41 AM  
**To:** 'Telwood@ameren.com'  
**Cc:** Klos, John  
**Subject:** Callaway, Unit 1, Acceptance of Requested Licensing Action CAC No. MF8463 Change in Technical Specification 5.6.5, Core reload methodology

Mr. Elwood,

By letter dated October 11 2016, Agency-wide Documents and Access Management System (ADAMS) Accession No. ML16286A553, Union Electric Company, Ameren Missouri submitted a license amendment request for the Callaway Plant, Unit 1. The proposed amendment would modify Technical Specification (TS) requirements to reference and allow use of the NRC-approved methodologies described in WCAP- 16045-P-A, "Qualification of the Two-Dimensional Transport Code PARAGON," WCAP-16045-P-A, Addendum 1-A, "Qualification of the NEXUS Nuclear Data Methodology," and WCAP- 10965-P-A, Addendum 2-A, "Qualification of the New Pin Power Recovery Methodology," for the Callaway Plant. The purpose of this email is to provide the results of the U.S. Nuclear Regulatory (NRC) staff's acceptance review of this proposed amendment. The acceptance review was performed to determine if there is sufficient technical information in scope and depth to allow the NRC staff to complete its detailed technical review. The acceptance review is also intended to identify whether the application has any readily apparent information insufficiencies in its characterization of the regulatory requirements or the licensing basis of the plant.

Consistent with Section 50.90 of Title 10 of the *Code of Federal Regulations* (10 CFR), an amendment to the license (including the technical specifications) must fully describe the changes requested, and following as far as applicable, the form prescribed for original applications. Section 50.34 of 10 CFR addresses the content of technical information required. This section stipulates that the submittal address the design and operating characteristics, unusual or novel design features, and principal safety considerations.

The NRC staff has reviewed your application and concluded that it does provide technical information in sufficient detail to enable the NRC staff to complete its detailed technical review and make an independent assessment regarding the acceptability of the proposed amendment request in terms of regulatory requirements and the protection of public health and safety and the environment. Given the lesser scope and depth of the acceptance review as compared to the detailed technical review, there may be instances in which issues that impact the NRC staff's ability to complete the detailed technical review are identified despite completion of an adequate acceptance review. You will be advised of any further information needed to support the NRC staff's detailed technical review by separate correspondence.

Based on the information provided in your submittal, the NRC staff has estimated that this licensing request will take approximately 100 hours to complete. The NRC staff expects to complete this review in approximately 12 months by October 7, 2017. If there are emergent complexities or challenges in our review that would cause changes to the initial forecasted completion date or significant changes in the forecasted hours, the reasons for the changes, along with the new estimates, will be communicated during the routine interactions with the assigned project manager.

These estimates are based on the NRC staff's initial review of the application and they could change, due to several factors including requests for additional information, unanticipated addition of scope to the review, and review by NRC advisory committees or hearing-related activities. Additional delay may occur if the submittal is provided to the NRC in advance or in parallel with industry program initiatives or pilot applications.

If you have any questions, please contact me at the telephone number below.

**John Klos**

**DORL Callaway, Columbia Project Manager**

**U.S. NRC, Office of Nuclear Reactor Regulation,**

**Division of Operating Reactor Licensing, O8E7**

**NRC/NRR/DORL/LPL4-1, MS O8H4A**

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