

May 3, 2016

Anne Demma  
MRP Program Manager  
Electric Power Research Institute  
3420 Hillview Avenue  
Palo Alto, CA 94304

SUBJECT: FINAL SAFETY EVALUATION OF WCAP-17096-NP, REVISION 2, "REACTOR  
INTERNALS ACCEPTANCE CRITERIA METHODOLOGY AND DATA  
REQUIREMENTS" (TAC NO. ME4200)

Dear Ms. Demma:

By letter dated May 19, 2010 (Agencywide Documents Access and Management System Accession No. ML101460156), the Electric Power Research Institute (EPRI) in cooperation with the Pressurized Water Reactor Owners Group (PWROG), submitted topical report (TR) WCAP-17096-NP, Revision 2, "Reactor Internals Acceptance Criteria Methodology and Data Requirements," dated December 2009, for review by the U. S. Nuclear Regulatory Commission (NRC) staff. By letter dated November 12, 2015 (ADAMS Package Accession No. ML15265A128), an NRC draft safety evaluation (SE) was provided for your review and comment. By letter dated January 28, 2016 (ADAMS Accession No. ML16032A375), EPRI provided comments on the NRC draft SE. The EPRI comments and NRC staff responses are attached to the enclosed SE.

The NRC staff has found that WCAP-17096-NP is acceptable for referencing in licensing applications for nuclear power plants to the extent specified and under the limitations delineated in the TR and in the enclosed final SE. The final SE defines the basis for our acceptance of the TR.

Our acceptance applies only to material provided in the subject TR. We do not intend to repeat our review of the acceptable material described in the TR. When the TR appears as a reference in license applications, our review will ensure that the material presented applies to the specific plant involved. License amendment requests that deviate from this TR will be subject to a plant-specific review in accordance with applicable review standards.

In accordance with the guidance provided on the NRC website, we request that EPRI publish approved proprietary and non-proprietary versions of WCAP-17096-NP within three months of receipt of this letter. The approved versions shall incorporate this letter and the enclosed final SE after the title page. Also, they must contain historical review information, including NRC requests for additional information and your responses. The approved versions shall include an "-A" (designating approved) following the TR identification symbol.

NOTICE: The Enclosure transmitted herewith contains SUNSI. When separated from the Enclosure, this transmittal document is decontrolled.
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A. Demma

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As an alternative to including the RAIs and RAI responses behind the title page, if changes to the TRs provided to the NRC staff to support the resolution of RAI responses, and the NRC staff reviewed and approved those changes as described in the RAI responses, there are two ways that the accepted version can capture the RAIs:

1. The RAIs and RAI responses can be included as an Appendix to the accepted version.
2. The RAIs and RAI responses can be captured in the form of a table (inserted after the final SE) which summarizes the changes as shown in the approved version of the TR. The table should reference the specific RAIs and RAI responses which resulted in any changes, as shown in the accepted version of the TR.

If future changes to the NRC's regulatory requirements affect the acceptability of this TR, EPRI will be expected to revise the TR appropriately. Licensees referencing this TR would be expected to justify its continued applicability or evaluate their plant using the revised TR.

Sincerely,

**/RA/**

Kevin Hsueh, Chief  
Licensing Processes Branch  
Division of Policy and Rulemaking  
Office of Nuclear Reactor Regulation

Project No. 669

Enclosure:  
Final Proprietary SE

A. Demma

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Sincerely,

/RA/

Kevin Hsueh, Chief  
Licensing Processes Branch  
Division of Policy and Rulemaking  
Office of Nuclear Reactor Regulation

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**NRR-106**

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