

January 18, 2012

Neil Wilmschurst
Vice President and Chief Nuclear Officer
Electric Power Research Institute
1300 West W. T. Harris Boulevard
Charlotte, North Carolina 28262-8550

SUBJECT: FINAL SAFETY EVALUATION OF ELECTRIC POWER RESEARCH INSTITUTE
TOPICAL REPORT, 1021467, REVISION 0, "NONDESTRUCTIVE
EVALUATION: PROBABILISTIC RISK ASSESSMENT TECHNICAL
ADEQUACY GUIDANCE FOR RISK-INFORMED IN-SERVICE INSPECTION
PROGRAMS" (TAC NO. ME1057)

Dear Mr. Wilmschurst:

By letter dated February 18, 2009 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML090700594), supplemented by letters dated December 15, 2009, May 12, July 8, and October 12, 2010, January 19, and June 2, 2011 (ADAMS Accession Nos. ML093520080, ML11229A675, ML101930535, ML102920275, ML110250354, ML11158A014), the Electric Power Research Institute (EPRI) submitted for U.S. Nuclear Regulatory Commission (NRC) staff review and approval Topical Report (TR) 1021467, *Nondestructive Evaluation: Probabilistic Risk Assessment Technical Adequacy Guidance for Risk-Informed In-Service Inspection Programs* (ADAMS Accession No. ML101930535). By letter dated September 30, 2011, the NRC issued for a 30-day public comment period on the draft safety evaluation (SE) (ADAMS Accession No. ML112280525) for the TR. No comments were received as a result of the comment period. This letter transmits the final SE.

TR 1021467 provides guidance on determining the technical adequacy of probabilistic risk assessments (PRAs) used to develop a risk-informed in-service inspection (RI-ISI) program. The NRC staff reviewed TR 1021467 to determine whether its guidance will provide reasonable assurance that the described alternative in-service inspections are risk-informed and provide PRA technical adequacy. The review also considered compliance with license amendment and license renewal (LR) requirements in order to allow licensees or applicants the option of incorporating the TR guidelines by reference in plant-specific licensing actions.

The NRC staff has found that TR 1021467 is acceptable for referencing in licensing applications for RI-ISI programs to the extent specified in the enclosed final SE. The final SE defines the basis for acceptance of the TR. The NRC staff's final evaluation of TR 1021467, including four plant-specific action items and four conditions is enclosed.

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 amendment requests or LR applications, our review will ensure that the material presented applies to the specific plant involved. License amendment requests or references to this TR in LR applications 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 public website, we request that EPRI publish an accepted version of this TR within three months of receipt of this letter. The accepted version shall incorporate the changes outlined in the SE, and this letter and the enclosed final SE after the title page. Also, it must contain historical review information, including NRC requests for additional information and your responses. The accepted version shall include a "-A" (designating accepted) following the TR identification symbol. If future changes to the NRC's regulatory requirements affect the acceptability of this TR, EPRI and/or licensees referencing it will be expected to revise the TR appropriately, or justify its continued applicability for subsequent referencing.

Sincerely,

/RA/

Robert A. Nelson, Deputy Director
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

Project No. 669

Enclosure:
Final SE

In accordance with the guidance provided on the NRC public website, we request that EPRI publish an accepted version of this TR within three months of receipt of this letter. The accepted version shall incorporate; the changes outlined in the SE, and this letter and the enclosed final SE after the title page. Also, it must contain historical review information, including NRC requests for additional information and your responses. The accepted version shall include a "-A" (designating accepted) following the TR identification symbol. If future changes to the NRC's regulatory requirements affect the acceptability of this TR, EPRI and/or licensees referencing it will be expected to revise the TR appropriately, or justify its continued applicability for subsequent referencing.

Sincerely,

/RA/

Robert A. Nelson, Deputy Director
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

Project No. 669

Enclosure:
Final SE

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TAC ME1057

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