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September 29, 2015

Matthew Sunseri, Chair  
PWR Materials Management Program  
Electric Power Research Institute  
3420 Hillview Avenue  
Palo Alto, CA 94304

SUBJECT: DRAFT SAFETY EVALUATION OF THE ELECTRIC POWER RESEARCH INSTITUTE MRP-335, REVISION 1, "MATERIALS RELIABILITY PROGRAM: TOPICAL REPORT FOR PRIMARY WATER STRESS CORROSION CRACKING MITIGATION BY SURFACE STRESS IMPROVEMENT [PEENING]" (TAC NO. MF2429)

Dear Mr. Sunseri:

By letter dated May 1, 2013 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML13126A009), the Electric Power Research Institute (EPRI) on behalf of nuclear power industry's Materials Reliability Program (MRP), submitted to U.S. Nuclear Regulatory Commission (NRC) staff for review and approval "Topical Report for Primary Water Stress Corrosion Cracking Mitigation by Surface Stress Improvement (MRP-335, Revision 1)," EPRI, 3002000073, January 2013. By letters dated October 10, 2014, and June 12, 2015 (ADAMS Accession Nos. ML14288A370 and ML15167A112, respectively), MRP responded to the NRC staff's requests for additional information. By letter dated August 14, 2015 (ADAMS Accession No. ML15230A173), MRP submitted MRP-335, Revision 2 (MRP-335R2), 3002006654, EPRI, August 2015 (ADAMS Accession Nos. ML15230A174, ML15230A172, ML15230A175, and ML15230A177).

Based on its review of the information submitted by EPRI, the NRC staff finds the topical report (TR) acceptable for referencing subject to the limitations specified in the TR and in the NRC safety evaluation (SE). Enclosed for EPRI review and comment is the NRC staff's draft SE for the TR.

Under Section 2.390 of Title 10 of the *Code of Federal Regulations* (10 CFR), "Public Inspections, Exemptions, Requests for Withholding," the NRC has determined that the enclosed draft SE may contain proprietary information. If you believe that any information in the enclosure is proprietary, please identify such information line-by-line and define the basis under

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the criteria of 10 CFR 2.390. After 10 working days, the draft SE will be made publicly available, as appropriate, and an additional 10 working days are provided for you to comment on any factual errors or clarity concerns contained in the draft SE.

The final SE will be issued after making any necessary changes and will be made publicly available. The NRC staff's disposition of your comments on the draft SE will be discussed in the final SE.

To facilitate the NRC staff's review of your comments, please provide a marked-up copy of the draft SE showing proposed changes and provide a summary table of the proposed changes.

If you have any questions, please contact the Project Manager for the review, Joseph J. Holonich, at 301-415-7297 or [Joseph.Holonich@nrc.gov](mailto:Joseph.Holonich@nrc.gov).

Sincerely,

*/RA/*

Anthony J. Mendiola, Chief  
Licensing Processes Branch  
Division of Policy and Rulemaking  
Office of Nuclear Reactor Regulation

Project No. 669

Enclosure:  
Draft Safety Evaluation

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**ADAMS Accession Nos.: ML15245A046 (Letter/Public); ML15245A051 (Draft SE/Non-Public); ML15245A052 (Pkg.)** **NRR-106**

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| <b>NAME</b>   | JHolonich       | JDougherty | DAlley         | AMendiola       |
| <b>DATE</b>   | 09/22/2015      | 09/22/2015 | 09/ 24 /2015   | 09/ 29 /2015    |

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