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November 12, 2015

Dennis Madison
Southern Nuclear
Chairman, BWR Vessel and Internals Project
3420 Hillview Avenue
Palo Alto, CA 94304-1395

SUBJECT: DRAFT SAFETY EVALUATION OF THE PROPRIETARY SAFETY EVALUATION OF BWRVIP 100, REV. 1, "BWRVIP VESSEL AND INTERNALS PROJECT: UPDATED ASSESSMENT OF THE FRACTURE TOUGHNESS OF IRRADIATED STAINLESS STEEL FOR BWR CORE SHROUDS" (TAC NO. ME8329)

Dear Mr. Madison:

By letter dated February 7, 2012 (Agencywide Documents Access and Management System (ADAMS) Package Accession No. ML120440348), as supplemented by letters dated June 6, 2013, and July 15, 2015 (ADAMS Accession Nos. ML131560537 and ML15201A145), the Electric Power Research Institute (EPRI) Boiling Water Reactor Vessel and Internals Project (BWRVIP) submitted topical report (TR) BWRVIP-100, Revision 1, "BWRVIP Vessel and Internals Project: Updated Assessment of the Fracture Toughness of Irradiated Stainless Steel for BWR Core Shrouds."

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

Pursuant to Section 2.390 of Title 10 of the *Code of Federal Regulations* (10 CFR), we have 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 pursuant to 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.

NOTICE: Enclosure transmitted herewith contains SUNSI. When separated from Enclosure, this transmittal document is decontrolled.
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- 2 -

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.

Based on clarifying information provided by the BWRVIP via email dated September 20, 2013 (ADAMS Accession No. ML15258A203), the draft request for additional information dated July 15, 2013, related to the impact of recent General Electric Safety Communications on the conclusions of BWRVIP-100, Rev. 1 (ML13192A186) is withdrawn.

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.

Sincerely,

/RA/

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

Project No. 704

Enclosure:
Draft SE

