

February 1, 2013

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

SUBJECT: U.S. NUCLEAR REGULATORY COMMISSION APPROVAL LETTER FOR  
"BWRVIP-158-A: BWR [BOILING WATER REACTOR] VESSEL AND  
INTERNALS PROJECT, FLAW PROXIMITY RULES FOR ASSESSMENT OF  
BWR INTERNALS" (TAC NO. MF0381)

Dear Mr. Madison:

By letter dated December 12, 2012, the Boiling Water Reactor (BWR) Vessel and Internals Project (BWRVIP) submitted a proprietary version of the report BWRVIP-158-A, "BWR Vessel And Internals Project, Flaw Proximity Rules for Assessment of BWR Internals," for U.S. Nuclear Regulatory Commission (NRC) staff review (Agencywide Documents Access and Management System (ADAMS) Accession No. ML12349A336). This was a resubmission of the report because an earlier version was not able to be placed into ADAMS.

A nonproprietary version of the report was submitted via letter dated October 15, 2012 (ADAMS Accession No. ML12297A070)

The BWRVIP-158-A report provided revised guidelines for evaluating adjacent cracks in the same plane (in-plane cracks) and parallel cracks in different planes (parallel cracks) for BWR vessel internals such as the core shroud and the internal core spray piping. These guidelines are based on the results of BWRVIP's effort to validate the American Society of Mechanical Engineers Code, 2004 Edition flaw proximity rules for application to stainless steel BWR vessel internals.

The report compiles information associated with the NRC staff's review of BWRVIP-158; namely, it makes several editorial corrections as well as revisions and corrections. A list of these items is compiled in Table C.1 of Appendix C to BWRVIP-158-A.

Based on its review of the changes documented in BWRVIP-158-A and summarized in Table C-1, the NRC staff has determined that the BWRVIP-158-A report is acceptable to the extent delineated in the NRC staff's original approval letter dated November 18, 2009 (ADAMS Accession No. ML093130769). The revisions to the topical report, submitted in the approved copy, do not affect the NRC's approval status of this topical report.

D. Madison

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If you have any questions or require any additional information, please feel free to contact the Project Manager for this topical report, Joseph Holonich, at 301-415-7297.

Sincerely,

*/RA/*

Sher Bahadur, Deputy Director  
Division of Policy and Rulemaking  
Office of Nuclear Reactor Regulation

Project No. 704

D. Madison

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If you have any questions or require any additional information, please feel free to contact the Project Manager for this topical report, Joseph Holonich, at 301-415-7297.

Sincerely,

*/RA/*

Sher Bahadur, Deputy Director  
Division of Policy and Rulemaking  
Office of Nuclear Reactor Regulation

Project No. 704

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**NRR-106**

<b>OFFICE</b>	PLPB/PM	PLPB/LA	EVIB/BC	PLPB/BC (A)	DPR/DD
<b>NAME</b>	JHolonich	DBaxley	SRosenberg	SStuchell	SBahadur
<b>DATE</b>	01/30/2013	01/25/2013	01/31/2013	01/31/2013	02/01/2013

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