

June 9, 2004

Bill Eaton, BWRVIP Chairman  
Entergy Operations, Inc.  
Echelon One  
1340 Echelon Parkway  
Jackson, MS 39213-8202

SUBJECT: NON-PROPRIETARY VERSION OF NRC STAFF REVIEW OF BWRVIP-27-A,  
"BWR STANDBY LIQUID CONTROL SYSTEM/CORE PLATE  $\Delta$ P INSPECTION  
AND FLAW EVALUATION GUIDELINES"

Dear Mr. Eaton:

By letter dated September 12, 2003, the Boiling Water Reactor Vessel and Internals Project (BWRVIP) submitted Proprietary Report BWRVIP-27-A, "BWR Vessel and Internals Project, BWR Standby Liquid Control System/Core Plate  $\Delta$ P Inspection and Flaw Evaluation Guidelines," for NRC staff review. The BWRVIP-27-A report represents a compilation of information from several sources: Proprietary Report TR-107286, "BWR Vessel and Internals Project, BWR Standby Liquid Control System/Core Plate  $\Delta$ P Inspection and Flaw Evaluation Guidelines (BWRVIP-27);" Report 1006288, BWRVIP-94, "BWR Vessel and Internals Project, Program Implementation Guide;" the BWRVIP response to NRC staff requests for additional information (RAIs) on BWRVIP-27, dated July 13, 1998; the NRC staff's safety evaluation (SE) regarding BWRVIP-27, issued on April 27, 1999; the "License Renewal Appendix B to BWR Vessel and Internals Project, BWR Standby Liquid Control System/Core Plate  $\Delta$ P Inspection and Flaw Evaluation Guidelines (BWRVIP-27)," dated May 11, 1998; and "Acceptance for Referencing Report BWR Standby Liquid Control System/Core Plate  $\Delta$ P Inspection and Flaw Evaluation Guidelines (BWRVIP-27) for Compliance with the License Renewal Rule (10 CFR 54)," dated December 20, 1999.

The objective of BWRVIP-27-A is to develop a generic inspection strategy for BWR Standby Liquid Control System piping. The inspection strategy is based on the BWRVIP's conclusion that it is critical to maintain vessel nozzle integrity such that sodium pentaborate can always be injected into the vessel with only minor loss due to leakage. Therefore, the inspection requirements concentrate on inspection of the nozzle and safe end welds.

The NRC staff has reviewed the information in BWRVIP-27-A and has found that it accurately incorporates all of the relevant information which was submitted by the BWRVIP in the documents noted above to support NRC staff approval of the BWRVIP report. Further, the staff finds that Appendices C and D to BWRVIP-27-A are an adequate reproduction of the NRC staff's April 27, 1999, and December 20, 1999, SEs, respectively. The inclusion of these appendices is consistent with NRC staff expectations regarding an "-A" topical report.

B. Eaton

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Please contact Meena Khanna of my staff at (301) 415-2150 if you have any further questions regarding this subject.

Sincerely,

*/RA/*

William H. Bateman, Chief  
Materials and Chemical Engineering Branch  
Division of Engineering  
Office of Nuclear Reactor Regulation

Project No. 704

cc: BWRVIP Service List

B. Eaton

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Sincerely,

***/RA/***

William H. Bateman, Chief  
Materials and Chemical Engineering Branch  
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Office of Nuclear Reactor Regulation

Project No. 704

cc: BWRVIP Service List

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