

March 11, 2005

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

SUBJECT: SUPPLEMENTAL REQUEST FOR ADDITIONAL INFORMATION -  
NON-DESTRUCTIVE EXAMINATION FLAW SIZING UNCERTAINTY

Dear Mr. Eaton:

In the context of topical report, "BWR Vessel and Internals Project, Shroud Vertical Weld Inspection and Evaluation Guidelines (BWRVIP-63)," which has been superceded by the "BWR Vessel and Internals Project, BWR Core Shroud Inspection and Flaw Evaluation Guidelines (BWRVIP-76)," report, questions were raised by the staff regarding the treatment of non-destructive examination (NDE) flaw sizing uncertainty in the flaw evaluation procedures proposed by the BWRVIP. Although these questions were raised with regard to the BWRVIP-63 and -76 reports, it is our understanding that the questions also apply to other inspection and evaluation topical reports which the BWRVIP intends to submit for other components covered by the BWRVIP programs.

By letter dated March 25, 2003, the staff issued a request for additional information (RAI) regarding the NDE flaw sizing uncertainty, as addressed in BWRVIP-63, which has since then been superceded by the BWRVIP-76 report. By letter dated May 25, 2004, you submitted to the NRC your responses to the staff's RAI. In addition to the RAI that the staff sent to you on March 25, 2003, the staff has determined that supplemental information is needed to complete the review. The supplemental RAIs regarding NDE examination flaw sizing uncertainty are attached. If you have any questions, please contact Meena Khanna at (301) 415-2150.

Sincerely,

/RA/

Matthew A. Mitchell, Chief  
Vessels & Internals Integrity and Welding Section  
Materials and Chemical Engineering Branch  
Division of Engineering  
Office of Nuclear Reactor Regulation

Project No. 704

Enclosure: As stated

cc: BWRVIP Service List

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

SUBJECT: SUPPLEMENTAL REQUEST FOR ADDITIONAL INFORMATION - REVIEW OF  
BWR VESSEL AND INTERNALS PROJECT REPORT, BWRVIP-76, "BWR  
CORE SHROUD INSPECTION AND FLAW EVALUATION GUIDELINES"

Dear Mr. Eaton:

In the context of topical report, "BWR Vessel and Internals Project, Shroud Vertical Weld Inspection and Evaluation Guidelines (BWRVIP-63)," which has been superceded by the "BWR Vessel and Internals Project, BWR Core Shroud Inspection and Flaw Evaluation Guidelines (BWRVIP-76)," report, questions were raised by the staff regarding the treatment of non-destructive examination (NDE) flaw sizing uncertainty in the flaw evaluation procedures proposed by the BWRVIP. Although these questions were raised with regard to the BWRVIP-63 and -76 reports, it is our understanding that the questions also apply to other inspection and evaluation topical reports which the BWRVIP intends to submit for other components covered by the BWRVIP programs.

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REQUEST FOR ADDITIONAL INFORMATION  
REGARDING NDE FLAW SIZING UNCERTAINTY EVALUATION  
AS RELATED TO BWRVIP'S MAY 25, 2004 RESPONSE TO  
NRC RAI ON NDE FLAW SIZING UNCERTAINTY

In your response of May 25, 2004, you proposed three criterion to determine whether one should apply adjustments to the measured flaw size to be used in flaw evaluations related to boiling water reactor (BWR) vessel internals. Please provide the requested additional information, as stated below.

1. The staff requests that the BWRVIP provide a complete list of the components which are addressed by the BWRVIP flaw evaluation guidelines in the BWRVIP Inspection and Evaluation Guideline reports.
2. From the list of components identified in response to (1.) above, the staff requests that the BWRVIP identify those components that, after considering component material, geometry, and loading conditions, would display results similar to those given for the core spray pipe (see the May 25, 2004 response) regarding the effects of NDE uncertainty on flaw evaluations.

ENCLOSURE