

**From:** Joseph Colaccino  
**To:** INTERNet:ifluker@southernco.com  
**Date:** 11/8/02 10:32AM  
**Subject:** RAI: Hatch Relief Request RR-34, Revision 1, and RR-37

Ira Luker,

Attached is the staff's request for additional information on Hatch Relief Requests RR-34, Revision 1, and RR-37, submitted to the NRC in a letter dated May 3, 2002. The questions concern the proposed alternatives to use enhanced visual testing examinations in lieu of the ASME Section XI Code-required ultrasonic testing examinations of the reactor pressure vessel inner nozzle radius sections.

Please let me know if you have any questions.

Joe Colaccino, NRC Hatch Project Manager  
301-415-2753

**CC:** Donald Naujock; John Nakoski

November 8, 2002

Request for Additional Information  
Hatch Relief Request RR-34, Revision 1, and RR-37  
Submittal Dated May 3, 2002  
NRC TAC Nos. MB5009 and MB5010

Hatch proposed alternatives to use enhanced visual testing (VT) examinations in lieu of the ASME Section XI Code-required ultrasonic testing (UT) examinations of the reactor pressure vessel (RPV) inner nozzle radius sections. Unless otherwise specified, the following questions apply to both RR-34, Revision 1, and RR-37.

1. Provide a list/table of the nozzles, nozzle sizes, percent of coverage from prior examinations, and when (month/year) examined.
2. Discuss changes to examination coverage as a result of using VT (% surface) in lieu of the UT (% volume).
3. Identify the ASME Code Inservice Inspection Program: either A or B. Reference the appropriate IWB-2500-1 item number: either B3.20 or B3.100.
4. Discuss any changes in radiation exposure to personnel as a result of the change in examination method.
5. Provide a technical discussion that supports structural integrity, such as the Oak Ridge report mentioned in RR-37. Provide sufficient data for third party retrieval of the Oak Ridge report.
6. Describe the direct/enhanced visual examination systems and the resolution sensitivity that will be used during the examinations. Discuss how the 1-mil (0.001 inch) resolution sensitivity will be demonstrated for each system. Provide the same for the remote enhanced visual examination systems.
7. Provide a description for the performance of the proposed enhanced direct visual examination of the RPV nozzles that will assure a 1-mil resolution.
8. For each unit, provide the appropriate Code edition of the ASME Section XI, current inservice inspection (ISI) interval, and when the current ISI interval is over.
9. For RR-37, discuss the obstructions for each nozzle or group of nozzles that limit full coverage.
10. For RR-37, if leak-before-break is part of the bases for structural integrity of the vessel, provide the supporting technical justification.

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**Subject:** RAI: Hatch Relief Request RR-34, Revision 1, and RR-37**Creation Date:** 11/8/02 10:32AM**From:** Joseph Colaccino**Created By:** JXC1@nrc.gov

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