

**From:** Kalyanam, Kaly  
**Sent:** Thursday, February 23, 2012 4:24 PM  
**To:** CLARK, ROBERT W  
**Cc:** Lent, Susan; Burkhardt, Janet  
**Subject:** RAI for the Request to use of Alternate ASME Code Case N-770-1 Baseline Examination, Request for Alternative ANO2-ISI-007. (TAC No. ME7646)

Bob,

By letter dated November 30, 2011, Entergy Operations, Inc. (Entergy) made a request to NRC for approval to "Use of Alternate ASME Code Case N-770-1 Baseline Examination, Request for Alternative ANO2-ISI-007."

The TAC No. for this request is ME7646.

The NRC Staff has reviewed the and determined that we require additional information to complete our review. A request for additional information appears below.

The staff requests you to provide a response to the RAI within 60 days from the date of this email. Please let me know if this date cannot be met.

Thanks

Kaly

REQUEST FOR ADDITIONAL INFORMATION  
USE OF ASME CODE CASE N-770-1 BASELINE EXAMINATION  
ENTERGY OPERATIONS, INC  
ARKANSAS NUCLEAR ONE, UNIT 2  
DOCKET NUMBER 50-368

By letter dated November 30, 2011, Entergy Operations, Inc. submitted Request for Alternative ANO2-ISI-007, "Use of Alternate ASME Code Case N-770-1 Baseline Examination," (ADAMS Accession Number ML113340158), for U. S. Nuclear Regulatory Commission review and approval. In order to complete our review, the staff requests further information.

1. Please confirm that the present Request for Alternative is only for satisfying the ASME Code Case N-770-1 baseline examination requirements, as required and conditioned by 10 CFR 50.55a(g)(6)(ii)(F).

2. Was the previous examination performed within the re-inspection period as defined in ASME Code Case N-770-1?
3. Please identify the PDI contractor and procedure that was used for the previous examination. Was the procedure PDI qualified for a ASME Code, Section XI, supplement 10 single sided axial examination of 100 percent of the susceptible material? Please identify any specific limitations associated with the scope of the procedure.
4. ASME Code Case N-770-1, as required and conditioned by 10 CFR 50.55a(g)(6)(ii)(F), defines the volume of material required to be examined in Figure 1 of the Code Case and requires that the examinations conform to ASME Code, Section XI, Appendix VIII requirements. Since Appendix VIII Supplement 9 is in preparation, Appendix VIII requires the use of an Appendix III procedure to perform scans from the cast austenitic stainless steel (CASS) side of the weld.
  - a. Did the procedure used to scan the CASS material from the CASS side of the weld conform to the Supplement 10 procedure?
  - b. For each weld please provide coverage data of the required volume of the CASS material for Appendix III compliant scans (both axial and circumferential) from the CASS side of the weld.
  - c. If the Appendix VIII procedure was not qualified for a single sided axial examination of 100 percent of the susceptible material, for each weld please provide coverage data of the required volume of the susceptible material (nickel alloy weld and butter) for Appendix III compliant axial scans from the CASS side of the weld.
  - d. If less than 100 percent coverage was attained for either (b) or (c), please describe the reason(s) for the limited coverage and provide a coverage map (as appropriate).
5. Table 1 provides the aggregate coverage obtained for both the wrought material and the susceptible material. Since ASME Code Case N-770-1 paragraph - 2500, "Examination Requirements," is concerned with the examination coverage of the susceptible material volume, the NRC staff would like to see the coverage broken out between the susceptible material and the wrought material.
  - a. For each weld, please provide coverage data for Appendix VIII compliant scans (both axial and circumferential) of the required volume of the susceptible weld material. If less than 100 percent coverage was attained, please describe the reason(s) for the limited coverage and provide a coverage map (as appropriate).
  - b. For each weld, please provide coverage data for Appendix VIII compliant scans (both axial and circumferential) of the required volume of the wrought material. If less than 100 percent coverage was attained, please describe the reason(s) for the limited coverage and provide a coverage map (as appropriate)..

6. The transducer for the circumferential scan in Figure 2 is shown on the CASS side of the weld in contradiction to the text in Table 1 for this weld that states that the component was scanned from the pipe side only. Please explain what Figure 2 is trying to depict