

From: Thomas Alexion
To: DAVANT, GUY H
Date: 4/30/04 11:52AM
Subject: RAI FOR RELIEF REQUEST R&R-005&006

Guy,

See the attached.

Tom

CC: SBENNE2@entergy.com

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Subject: RAI FOR RELIEF REQUEST R&R-005&006
Creation Date: 4/30/04 11:52AM
From: Thomas Alexion

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MESSAGE	655	04/30/04 11:52AM

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REQUEST FOR ADDITIONAL INFORMATION (REVISED 04/30/04)
RELIEF REQUEST R&R-005 AND R&R-006
ARKANSAS NUCLEAR ONE, UNIT 1 (ANO-1)

1. Describe briefly the latest technical basis in support of Relief Request R&R-006, including the following items:
 - 1a. Methodology - Discuss the steps of elastic plastic fracture mechanics (EPFM) approach; discuss the applicability of the EPFM for the ferritic reactor vessel head material in the flaw evaluation; and provide references.
 - 1b. Assumptions - Discuss flaw size, flaw path; the applicability of the upper shelf energy value used for the ANO-1 reactor vessel head; and provide references.
 - 1c. Results - Discuss the preliminary results in terms of safety factors, J applied, and J material values; and flaw growth.
 - 1d. Preliminary Conclusion - Entergy needs to make a preliminary conclusion regarding whether the postulated flaw in the J-groove weld remnant will affect the structural integrity of the ANO-1 reactor vessel head.
2. Entergy needs to make a preliminary conclusion regarding whether the nozzle repair proposed in Relief Requests R&R-005 and -006 will affect the reactor vessel head in maintaining the structural integrity and leakage integrity of the reactor coolant system.
3. Entergy needs to commit to submit its final technical basis, including the flaw evaluation, by a certain date. Entergy had proposed June 1, 2004, in its April 12, 2004 submittal.