

NRR-PMDAPEm Resource

From: George, Andrea
Sent: Friday, September 12, 2014 2:46 PM
To: CLARK, ROBERT W
Cc: Singal, Balwant
Subject: Request for Additional Information - ANO1-ISI-024 (MF4022)
Attachments: MF4022 formal RAIs.pdf

Mr. Clark,

By letter dated April 28, 2014 (Agencywide Documents Access and Management System (ADAMS) Accession Number ML14118A477), Entergy Nuclear Operations, Inc. (the licensee) requested relief from the requirements of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, Section XI, associated with the examination frequency requirements of Code Case N-729-1 at Arkansas Nuclear One (ANO), Unit 1. The licensee proposed an alternative examination requirement for the Reactor Vessel Top Head Penetration Nozzles as documented in Relief Request ANO1-ISI-024.

The U.S. Nuclear Regulatory Commission (NRC) staff has reviewed the submittal and requests additional information (RAI) as detailed in the attachment. This email constitutes formal transmittal of the RAIs. Draft RAIs were transmitted on September 3, 2014. The NRC Project Manager was notified that a clarification call is not needed and it was agreed that Entergy will respond to these RAIs within 30 days, which is October 12, 2014.

If circumstances result in the need to revise the agreed-upon response date, please contact me at (301) 415-1081 or via email at andrea.george@nrc.gov.

Thank you,

Andrea George
Project Manager
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
301-415-1081

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Recipients:
"Singal, Balwant" <Balwant.Singal@nrc.gov>
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REQUEST FOR ADDITIONAL INFORMATION
REQUEST ANO1-ISI-024 INSPECTION OF REACTOR VESSEL
CLOSURE HEAD NOZZLES IN ACCORDANCE WITH ASME
CODE CASE N-729-1 AS CONDITIONED BY 10 CFR 50.55a
ARKANSAS NUCLEAR ONE, UNIT 1
ENTERGY NUCLEAR OPERATIONS, INC.
DOCKET NUMBER 50-313

By letter dated April 28, 2014 (Agencywide Documents Access and Management System (ADAMS) Accession Number ML14118A477), Entergy Nuclear Operations, Inc. (the licensee) requested relief from the requirements of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, Section XI, associated with the examination frequency requirements of Code Case N-729-1 at Arkansas Nuclear One (ANO), Unit 1. The licensee proposed an alternative examination requirement for the Reactor Vessel Top Head Penetration Nozzles as documented in Relief Request ANO1-ISI-024. To complete its review, the Nuclear Regulatory Commission staff requests the following additional information.

- 1) The licensee uses MRP-375, "Technical Basis for Reexamination Interval Extension for Alloy 690 PWR Reactor Vessel Top Head Penetration Nozzles," to provide a technical basis for the proposed alternative. In regards to MRP-375, Figures 3-1, 3-3 and 3-5, provide a brief description of the materials tested for each plot that have data points above a hypothetical 7.7 factor of improvement line necessary to support the licensee's proposed alternative.
- 2) Provide any similarities between the items listed in (1) above and the associated nozzles and weld material used in the current reactor pressure vessel upper head at ANO Unit 1.