NRR-DMPSPEm Resource

From: Wengert, Thomas
Sent: Tuesday, August 14, 2018 12:45 PM
To: PYLE, STEPHENIE L
Cc: CLARK, ROBERT W; BICE, DAVID B (ANO); Pascarelli, Robert
Subject: ANO-1 - Final RAI RE: Relief Request ANO1-ISI-031 (EPID L-2018-LLR-067)
Attachments: ANO-1- Final RAI Concerning Relief Request ISI-031.pdf

On August 8, 2018, the U.S. Nuclear Regulatory Commission (NRC) staff sent Entergy Operations, Inc. (Entergy) the draft Request for Additional Information (RAI) identified below. This RAI relates to relief request ANO1-ISI-031, concerning the welds with Component Identification Nos. (IDs) 23-057, 23-059 and 12-001 at Arkansas Nuclear One, Unit 1 (ANO-1).

Entergy subsequently informed the NRC staff that the information requested by the staff was understood and that no additional clarification of the RAI was necessary. A publicly available version of this final RAI (attached with "Draft" removed) will be placed in the NRC's Agencywide Documents Access and Management System (ADAMS). As agreed, please provide a response to this RAI within 30 days of the date of this request.

From: Wengert, Thomas
Sent: Wednesday, August 08, 2018 2:43 PM
To: 'PYLE, STEPHENIE L'
Cc: CLARK, ROBERT W ; 'BICE, DAVID B (ANO)' ; Pascarelli, Robert
Subject: ANO-1 - Draft RAI RE: Relief Request ANO1-ISI-031 (EPID L-2018-LLR-067)

Ms. Pyle,

By letter dated April 23, 2018 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML18115A102), Entergy Operations, Inc. (the licensee) requested relief from the volumetric examination coverage requirements of the American Society of Mechanical Engineers Boiler and Pressure Vessel Code (ASME Code), pursuant to Title 10 of the Code of *Federal Regulations* (10 CFR) paragraph 50.55a(g)(5)(iii), for certain components at Arkansas Nuclear One, Unit 1 (ANO-1). One of the requests (ANO1-ISI-031) in the licensee's letter pertains to the welds with Component Identification Nos. (IDs) 23-057, 23-059 and 12-001 at ANO-1.

The U.S. Nuclear Regulatory Commission (NRC) staff has determined that additional information, as described in the attached request for additional information (RAI), is required for the staff to complete its review of this relief request. This RAI is identified as draft at this time to confirm your understanding of the information that the NRC staff needs to complete the evaluation. If the request for information is understood, please respond to this RAI within 30 days of the date of this request. Please contact me if you would like to set up a conference call to clarify this request for information.

Note that the NRC staff is still reviewing Relief Requests ANO1-ISI-027, ANO1-ISI-028, ANO1-ISI-029, and ANO1-ISI-030, which were also included in the April 23, 2018, letter. We will notify you by separate correspondence if additional information is needed for those reviews.

Tom Wengert
U.S. Nuclear Regulatory Commission
Project Manager – Arkansas Nuclear One
NRR/DORL/LPL4
(301) 415-4037

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Created By: Thomas.Wengert@nrc.gov

Recipients:
"CLARK, ROBERT W" <RCLARK@entergy.com>
Tracking Status: None
"BICE, DAVID B (ANO)" <DBICE@entergy.com>
Tracking Status: None
"Pascarelli, Robert" <Robert.Pascarelli@nrc.gov>
Tracking Status: None
"PYLE, STEPHENIE L" <SPYLE@entergy.com>
Tracking Status: None

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REQUEST FOR ADDITIONAL INFORMATION

RELIEF REQUEST ANO1-ISI-031

REGARDING WELD EXAMINATION COVERAGE

ENTERGY OPERATIONS, INC.

ARKANSAS NUCLEAR ONE, UNIT 1

DOCKET NO. 50-313

By letter dated April 23, 2018 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML18115A102), Entergy Operations, Inc. (the licensee) requested relief from the examination coverage requirements of the American Society of Mechanical Engineers Boiler and Pressure Vessel Code (ASME Code) that are specified in ASME Code Case N-460, pursuant to Title 10 of the Code of *Federal Regulations* (10 CFR) paragraph 50.55a(g)(5)(iii). The licensee's request (Relief Request ANO1-ISI-031) pertains to the welds with Component Identification Nos. (IDs) 23-057, 23-059 and 12-001 at Arkansas Nuclear One, Unit 1. To complete its review, the NRC staff requests the following additional information in order to evaluate the requested relief pursuant to 10 CFR 50.55a(g)(6)(i).

1. Table 1 of the April 23, 2018, request of ANO1-ISI-031 references ASME Code Section XI, Figure IWC-2500-8 for the examination volume of Component IDs 23-057 and 23-059. The referenced figure addresses the examination volume for ASME Code Class 2 components. However, the relief request states that these welds are Class 1 components. Please clarify the ASME Code class of these welds. In addition, identify and describe the specific system(s) where the three subject welds are located, as baseline information.

2. Please provide the pipe diameter and thickness of Component ID 12-001.

3. Please discuss the operating experience for the subject welds (e.g., indications of leakage) to confirm that there was no leakage from these welds. As part of the response, clarify whether the pump associated with Component ID 12-001 is fabricated with a cast stainless steel material that retains high resistance to environmentally-assisted cracking (e.g., stress corrosion cracking).