

NRR-PMDAPEm Resource

From: Saba, Farideh
Sent: Thursday, June 08, 2017 8:12 PM
To: Williams, Gordon Robert; Hammargren, Benjamin John (bjhammargren@tva.gov)
Cc: Schrull, Edward Dustin; Shoop, Undine; Young, Austin
Subject: RAI for Browns Ferry RR 3-ISI-28 CAC No. MF9257
Attachments: RAI for Browns Ferry 3-ISI-28.docx

Importance: High

Tracking:	Recipient	Read
	Williams, Gordon Robert	
	Hammargren, Benjamin John (bjhammargren@tva.gov)	
	Schrull, Edward Dustin	
	Shoop, Undine	
	Young, Austin	Read: 6/9/2017 9:00 AM

Gordon,

By letter dated January 31, 2017 (Agencywide Documents Access and Management System (ADAMS) Accession No. 17031A351), the Tennessee Valley Authority (TVA) submitted relief requests 3-ISI-28 and -29, requesting relief from the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code (Code), Section XI, Rules for Inservice Inspection of Nuclear Power Plant Components, for Browns Ferry Nuclear Plant (Browns Ferry) Unit 3. Specifically, pursuant to Title 10 of the Code of Federal Regulations 50.55a(g)(5)(iii), the licensee requested relief from the “essentially 100 percent” volumetric examination coverage requirements of ASME Code Section XI for the welds on the basis that the code requirement is impractical. The NRC has determined that the following additional information is necessary to complete its review and make a regulatory decision.

The 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 the relief request 3-ISI-28. As was requested by TVA, the NRC staff held a clarification call with TVA staff today (06/08/17). As we agreed, please submit to the NRC your response to this RAI by 07/10/17.

Thanks,

Farideh E. Saba, P.E.
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Subject: RAI for Browns Ferry RR 3-ISI-28 CAC No. MF9257
Sent Date: 6/8/2017 8:12:17 PM
Received Date: 6/8/2017 8:12:00 PM
From: Saba, Farideh

Created By: Farideh.Saba@nrc.gov

Recipients:

"Schrull, Edward Dustin" <edschrull@tva.gov>

Tracking Status: None

"Shoop, Undine" <Undine.Shoop@nrc.gov>

Tracking Status: None

"Young, Austin" <Austin.Young@nrc.gov>

Tracking Status:: Response: Read : 6/9/2017 9:00:00 AM

"Williams, Gordon Robert" <grwilliams1@tva.gov>

Tracking Status: None

"Hammargren, Benjamin John (bjhammargren@tva.gov)" <bjhammargren@tva.gov>

Tracking Status: None

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RAI for Browns Ferry 3-ISI-28.docx		19007

Options

Priority: High

Return Notification: No

Reply Requested: Yes

Sensitivity: Normal

Expiration Date:

Recipients Received:

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELIEF REQUEST 3-ISI-28 REGARDING EXAMINATION COVERAGE OF
INSIDE RADIUS AND NOZZLE-TO-VESSEL WELDS
TENNESSEE VALLEY AUTHORITY
BROWNS FERRY NUCLEAR PLANT, UNIT 3
DOCKET NO. 50-296
CAC NO. MF9257

1.0 INTRODUCTION

By letter dated January 31, 2017 (Agencywide Documents Access and Management System (ADAMS) Accession Number ML17031A351), Tennessee Valley Authority (TVA, the licensee) submitted relief requests 3-ISI-28 and -29, requesting relief from the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code (Code), Section XI, Rules for Inservice Inspection of Nuclear Power Plant Components, for Browns Ferry Nuclear Plant (Browns Ferry) Unit 3. Specifically, pursuant to Title 10 of the *Code of Federal Regulations* (10 CFR) 50.55a(g)(5)(iii), the licensee requested relief from the “essentially 100 percent” volumetric examination coverage requirements of ASME Code Section XI for the welds on the basis that the code requirement is impractical. The NRC has determined that the following additional information is necessary to complete its review and make a regulatory decision.

RAI 1

The examinations performed during this ten-year inservice inspection (ISI) interval show a significant drop in coverage from those reported in the previous interval. The table below compares the coverages reported in this relief request and those reported in Browns Ferry request for relief 3-ISI-18:

	Coverage Obtained in the Second ISI Interval (3-ISI-18)	Coverage Obtained in the Third ISI Interval (3-ISI-28)
N1B-NV	77%	25%
N4A-NV	77%	32%
N4B-NV	68%	32%
N4C-NV	68%	32%
N4D-NV	94.37%	32%
N4E-NV	94.37%	32%
N4F-NV	77%	32%
N8A-NV	71%	77%
N9-NV	74%	27%
N10-NV	97.31%	74%

Please discuss what caused the decrease in obtainable coverage and justify how this examination provides an equivalent or greater standard of quality and safety.