

NRR-PMDAPEm Resource

From: Feintuch, Karl
Sent: Wednesday, April 11, 2012 12:02 PM
To: Browning, Tony
Cc: Cumblidge, Stephen; McLellan, Thomas; Tsao, John; Rosenberg, Stacey; Feintuch, Karl
Subject: RE: ME7246 - DAEC - Request for Additional Information (RAI) Re: Relief Requests NDR-R003, R010, R011, R014, R015
Attachments: ME7246 - DAEC - (RAII Cumb-001,-002) Re NDR-R003, R010, R011, R014, R015.docx

DRAFT REQUEST FOR ADDITIONAL INFORMATION
NEXTERA ENERGY
DUANE ARNOLD ENERGY CENTER
REQUEST FOR RELIEF NDE-R010 (ME7246)
DOCKET NUMBER 50-331

By letter dated August 31, 2011, (Agencywide Document Access and Management System (ADAMS) accession number ML11245A240) NextEra Energy (the licensee) submitted Relief Request (RR) NDE-R010. The licensee is requesting relief from the weld examination coverage requirements specified in American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, Section XI, 2001 Edition of Section XI up to the 2003 Addenda, as amended by Title 10 of the *Code of Federal Regulations* (10 CFR), Section 50.55a(b)(2)(xv)(A)(2). This relief request is applicable to the fourth inspection interval at Duane Arnold Energy Center (Duane Arnold) that began November 1, 2006.

The Piping and NDE Branch (EPNB) staff has reviewed and evaluated the information provided by the licensee and has determined that the following information is needed in order to complete its review of the relief request. The EPNB reviewer who requested the items in this message is Stephen Cumblidge

Please contact me by 04/12/2012 to confirm: (1) that the items are clear to you and to the responsive DEK staff without further discussion or (2) that a clarifying conference call is needed. Upon determination that the RAI items are clear and confirmation of when responses to these items are due, these draft RAI items will be considered to be in final form.

The EPNB RAI items are assigned the following tracking numbers.

- A. ME7246-RAII-EPNB-Cumb-001-2012-05-10
- B. ME7246-RAII-EPNB-Cumb-002-2012-05-10

If additional RAI items from Reviewer Cumblidge or others are forthcoming, the associated tracking numbers will identify their source and the associated request-by date.

A. (ME7246-RAII-EPNB-Cumb-001-2012-05-12)

For Welds CUA-J024 and RMA-J004:

- A.1. The EPNB staff could not verify, from the information provided, how the 50% values for examination coverage were calculated. Provide a cross-sectional drawing and coverage map for both welds that shows the weld geometries and that shows the areas that do and do not meet code inspection requirements. In this drawing include the radius, thickness and outside diameter (OD) geometry for each weld.
- A.2. Describe the ultrasonic procedure used to inspect the welds, and address the following questions about the ultrasonic inspections of these welds:
 - (a) Which ultrasonic frequencies were used?

- (b) Which ultrasonic modalities (shear or longitudinal waves) were used?
- (c) Were the inspections performed using fixed angle or phased-array ultrasonic testing (UT)?
- (d) Were the inspections encoded?
- (e) Was manual or mechanical scanning employed?

B. (ME7246-RAII-EPNB-Cumb-002-2012-05-12)

For Weld RMA-J004 only:

- B.1. The drawing in Relief Request NDE-R010 is not clearly labeled and does not show how and why the piping component cannot be inspected to achieve essentially 100% coverage. Provide a diagram that shows the proximity of the pipe to the obstruction.
- B.2. The materials of the piping and weld are not identified in the drawing or submittal. Identify the materials of construction on both sides of the weld and the weld metal.

Hearing Identifier: NRR_PMDA
Email Number: 321

Mail Envelope Properties (Karl.Feintuch@nrc.gov20120411120100)

Subject: RE: ME7246 - DAEC - Request for Additional Information (RAI) Re: Relief Requests NDR-R003, R010, R011, R014, R015
Sent Date: 4/11/2012 12:01:39 PM
Received Date: 4/11/2012 12:01:00 PM
From: Feintuch, Karl

Created By: Karl.Feintuch@nrc.gov

Recipients:

"Cumblidge, Stephen" <Stephen.Cumblidge@nrc.gov>
Tracking Status: None
"McLellan, Thomas" <Thomas.McLellan@nrc.gov>
Tracking Status: None
"Tsao, John" <John.Tsao@nrc.gov>
Tracking Status: None
"Rosenberg, Stacey" <Stacey.Rosenberg@nrc.gov>
Tracking Status: None
"Feintuch, Karl" <Karl.Feintuch@nrc.gov>
Tracking Status: None
"Browning, Tony" <Tony.Browning@nexteraenergy.com>
Tracking Status: None

Post Office:

Files	Size	Date & Time
MESSAGE	3495	4/11/2012 12:01:00 PM
ME7246 - DAEC - (RAI Cumblidge-001,-002) Re NDR-R003, R010, R011, R014, R015.docx 22223		

Options

Priority: Standard
Return Notification: No
Reply Requested: No
Sensitivity: Normal
Expiration Date:
Recipients Received:

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