

NRR-PMDAPEm Resource

From: Lingam, Siva
Sent: Tuesday, December 15, 2015 3:34 PM
To: 'mjrm@pge.com'
Cc: Pascarelli, Robert; McHale, John; Stevens, Gary; Schrader, Kenneth (KJSe@pge.com); Thatipamala, Ramakrishna; Gonzalez, David A (DCPP)
Subject: Diablo Canyon 1 and 2 - RAIs for RR NDE-FWNS-U1/U2 to Allow Use of Feedwater Nozzle-to-Vessel Welds Alternate Examination Volume Coverage Requirements (CAC Nos. MF6689 and MF6690)

By letter dated September 3, 2015 (Agencywide Documents Access and Management System Accession No. ML15246A244), Pacific Gas and Electric Company (PG&E, the licensee) submitted a relief request (RR) NDE-FWNS-U1/U2 for Diablo Canyon Power Plant (DCPP), Units 1 and 2 third inservice inspection (ISI) interval. This relief is requested from the requirements of the American Society of Mechanical Engineers Boiler and Pressure Vessel Code (ASME Code), for examination coverage of Class 2 feedwater nozzle-to-vessel welds. Please note the following **official** requests for additional information (RAIs) for the subject RR. As you requested, please provide your responses by January 28, 2016. We transmitted the draft RAIs to you on December 9, 2015, for any clarification call, and on December 15, 2015, you responded that no clarification call is necessary. Your timely responses will allow the U.S. Nuclear Regulatory Commission staff to complete its review on schedule.

The licensee's September 3, 2015, submittal requests relief from the ASME Code, Section XI, "Rules for Inservice Inspection of Nuclear Power Plant Components," non-destructive examination requirements applicable to the DCPP, Units 1 and 2, steam generator (SG) feedwater nozzle-to-shell welds. The ASME Code of record for the third 10-year ISI interval at DCPP, Units 1 and 2 is the 2001 Edition with Addenda through 2003. ASME Code, Section XI, Table IWC-2500-1, Code Category C-B, Item Number C2.21, requires that surface and volumetric examinations of the nozzle-to-shell weld of all nozzles at terminal ends of piping runs be performed in accordance with Figure IWC-2500-4(a), (b), or (d) during each inspection interval.

The licensee has requested relief from the ASME Code, Section XI requirement for an essentially 100 percent volumetric examination of the inner one-third volume of the welds of the DCPP, Units 1 and 2, SG feedwater nozzle-to-shell welds because compliance with the requirement is impractical and the configuration of the nozzles precludes obtaining meaningful volumetric examination results. A summary of the volumetric examination results for the SG feedwater nozzle-to-shell welds is provided in the licensee's submittal. However, the licensee's submittal does not identify whether the surface examinations required by ASME Code, Section XI, Table IWC-2500-1, Code Category C-B, Item Number C2.21 were performed.

Please provide the following:

- a. Identify whether the surface examinations required by ASME Code, Section XI, Table IWC-2500-1, Code Category C-B, Item Number C2.21 were performed for the SG feedwater nozzle-to-shell welds.
- b. Provide a summary of the results for any surface examinations performed for the SG feedwater nozzle-to-shell welds.
- c. Identify whether relief is also being requested from any of the applicable ASME Code, Section XI surface examination requirements for the SG feedwater nozzle-to-shell welds.
- d. Describe the impact of any surface examinations performed for the SG feedwater nozzle-to-shell welds on the burden and bases assessments included in the relief request.

Siva P. Lingam
U.S. Nuclear Regulatory Commission
Project Manager (NRR/DORL/LPL4-1)

Diablo Canyon Nuclear Power Plant

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