

NRR-PMDAPEm Resource

From: Singal, Balwant
Sent: Tuesday, November 01, 2016 12:41 PM
To: Muilenburg William T (wimuile@WCNOC.com)
Subject: Request for Additional Information (RAI) - Relief request 13R-13 (CAC No. MF8308)
Attachments: MF8308-RAI.docx

By letter dated August 23, 2016 (Agencywide Access and Management System (ADAMS) Accession Number ML16243A039), Wolf Creek Nuclear Operating Corporation (WCNOC), the licensee) requested relief from the requirements of the American Society of Mechanical Engineers Boiler and Pressure Vessel Code (ASME Code), specifically related to ASME Code Case N-460 "Alternative Examination Coverage for Class 1 and Class 2 Welds, Section XI, Division 1." Relief request 13R-13 pertains to the examination coverage of the Class 1 and 2 piping welds at the Wolf Creek Generating Station (WCGS).

To complete its review, the U.S. Nuclear Regulatory Commission (NRC) staff requests the attached additional information. The draft request for additional information (RAI) was transmitted on October 24, 2016. Bill Muilenburg of WCNOC informed us on November 1, 2016 that a clarification call is not needed. Please treat this e-mail as formal transmittal of RAIs. Your response to the RAI is requested by November 30, 2016.

Thanks.

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"Muilenburg William T (wimuile@WCNOC.com)" <wimuile@WCNOC.com>
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REQUEST FOR ADDITIONAL INFORMATION

RELIEF REQUEST I3R-13 REGARDING WELD EXAMINATION COVERAGE

WOLF CREEK GENERATING STATION

DOCKET NUMBER 50-482

By letter dated August 23, 2016 (Agencywide Access and Management System (ADAMS) Accession Number ML16243A039), Wolf Creek Nuclear Operating Corporation (WCNOC), the licensee) requested relief from the requirements of the American Society of Mechanical Engineers Boiler and Pressure Vessel Code (ASME Code), specifically related to ASME Code Case N-460 "Alternative Examination Coverage for Class 1 and Class 2 Welds, Section XI, Division 1." Relief request I3R-13 pertains to the examination coverage of the Class 1 and 2 piping welds at the Wolf Creek Generating Station (WCGS).

To complete its review, the U.S. Nuclear Regulatory Commission (NRC) staff requests the following additional information:

1. Given the susceptibility to thermal fatigue and the reduced coverage obtained, and for assurance of structural integrity of unexamined volume of the weld, please provide cumulative fatigue usage (CFU) factor for each weld.
2. The NRC staff notes that the refracted longitudinal (L) waves have shown to have better penetration capability in the cast austenitic stainless steel and austenitic stainless steel materials, and they could be used as an extra effort to scan the far-side of examination volume ("Best Effort" examination). The NRC staff also notes that the "Best Effort" examination is not a requirement. Given the reduced inspection coverage of the weld under consideration:
 - a. Please discuss whether the license performed the "Best Effort" examination as an extra effort to interrogate the required downstream examination volume (far-side), particularly the root of the weld and the heat affected zone (HAZ) of the base materials typically susceptible to high stresses and potential degradation. If the "Best Effort" examination was not performed please explain the reasons.
 - b. Please provide percentage of coverage obtained from the "Best Effort" examination if this examination was performed.