

**From:** Tam, Peter  
**Sent:** Wednesday, July 14, 2010 4:20 PM  
**To:** Loeffler, Richard A.  
**Cc:** Mitchell, Matthew; Pascarelli, Robert; McLellan, Thomas; Parks, Benjamin  
**Subject:** Monticello - Second set of draft RAI re. Relief Request dated 3/12/10 (TAC ME3526)

Rick:

On 7/9/10 I transmitted to you a draft RAI (Accession No. ML101930333) consisting of two questions raised by our Reactor Systems Branch. Following please find draft RAI questions raised by our Vessels and Internal Integrity Branch.

On November 10, 1998, the NRC staff issued Generic Letter (GL) 98-05, "Boiling Water Reactor Licensees Use of the BWRVIP-05 Report to Request Relief from Augmented Examination Requirements on Reactor Pressure Vessel Circumferential Shell Welds," which states that BWR licensees may request permanent (i.e., for the remaining term of operation under the existing, initial license) relief from the ISI requirements of 10 CFR 50.55a(g) for the volumetric examination of circumferential RPV shell welds (ASME Code, Section XI, Table IWB-2500-1, Examination Category B-A, Item No. B1.11, "Circumferential Shell Welds") by demonstrating that:

- (1) At the expiration of the license, the circumferential shell welds will continue to satisfy the limiting conditional failure probability for circumferential shell welds in the NRC staff's July 28, 1998, safety evaluation report (SER), and
- (2) Licensees have implemented operator training and established procedures that limit the frequency of cold overpressure events to the amount specified in the NRC staff's July 28, 1998, SER.

Licensees will still need to perform the required inspections of "essentially 100%" of all axial shell welds.

Criterion 2 of GL 98-05 requires that the licensee implement sufficient procedures and/or operator training to ensure that the probability of a cold overpressure event is minimized. To satisfy this criterion, the licensee has provided analyses of the potential high-pressure injection sources, administrative controls, and operator training, that help to minimize the risk of cold overpressure events. The licensee noted that it examined a number of conditions that may be precursors to cold overpressurization; however, the licensee did not discuss any of the conditions.

- (1) Provide a discussion on the following systems regarding minimizing a cold overpressure event: e.g. flow rates; inadvertent injections; overfill; etc..

High Pressure Core Spray Injection

Reactor Core Isolation Cooling System

Feed Water System

Control Rod Drive and Reactor Water Cleanup System

Standby Liquid Control System

RPV Pressure Testing

- (2) Provide a brief summarization of the Operator Training and Operating Procedures as they pertain to minimizing a cold overpressure event.

We look forward to discussing the above issues with you. This e-mail aims solely to prepare you and others for the proposed conference call. However, with or without the conference call, we intend to formally issue the information need set forth above as a formal RAI within 2 weeks of the date of this e-mail, and request a formal response from you within 45 days of the formal RAI.

**This e-mail does not formally request for additional information and does not convey an official NRC staff position.**

Peter S. Tam

Senior Project Manager

(for D. C. Cook and Monticello)

Plant Licensing Branch III-1

Division of Operating Reactor Licensing

Office of Nuclear Reactor Regulation

Tel. 301-415-1451

---

**E-mail Properties**

Mail Envelope Properties (0A64B42AAA8FD4418CE1EB5240A6FED11B56AAC1B4)

Subject: Monticello - Second set of draft RAI re. Relief Request dated 3/12/10 (TAC ME3526)

Sent Date: 7/14/2010 4:20:20 PM

Received Date: 7/14/2010 4:20:00 PM

From: Tam, Peter

Created By: Peter.Tam@nrc.gov

Recipients:

Richard.Loeffler@xenuclear.com (Loeffler, Richard A.)

Tracking Status: None

Matthew.Mitchell@nrc.gov (Mitchell, Matthew)

Tracking Status: None

Robert.Pascarelli@nrc.gov (Pascarelli, Robert)

Tracking Status: None

Thomas.McLellan@nrc.gov (McLellan, Thomas)

Tracking Status: None

Benjamin.Parks@nrc.gov (Parks, Benjamin)

Tracking Status: None

Post Office:  
HQCLSTR02.nrc.gov

Files	Size	Date & Time
MESSAGE	21218	7/14/2010

Options

Expiration Date:

Priority: oIImportanceNormal

ReplyRequested: False

Return Notification: False

Sensitivity: oINormal

Recipients received: