

November 6, 2002

Mr. P. E. Katz, Vice President
Calvert Cliffs Nuclear Power Plant, Inc.
Calvert Cliffs Nuclear Power Plant
1650 Calvert Cliffs Parkway
Lusby, MD 20657-4702

SUBJECT: CALVERT CLIFFS NUCLEAR POWER PLANT, UNIT NOS. 1 AND 2 -
REQUEST FOR ADDITIONAL INFORMATION RELATED TO RELIEF
REQUEST (TAC NOS. MB4013 AND MB4014)

Dear Mr. Katz:

In reviewing your submittal of February 7, 2002, concerning the subject relief request, the U.S. Nuclear Regulatory Commission (NRC) staff determined that it needs additional information to continue its review. The NRC staff discussed the issue with your staff on October 24, 2002. As we indicated during our conversation, we are enclosing the request for additional information.

Sincerely,

/RA/

Donna M. Skay, Senior Project Manager, Section 1
Project Directorate I
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Enclosure: As stated

cc w/encl: See next page

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Calvert Cliffs Nuclear Power Plant
Unit Nos. 1 and 2

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REQUEST FOR ADDITIONAL INFORMATION

CALVERT CLIFFS NUCLEAR POWER PLANT, UNIT NOS. 1 AND 2

RELIEF REQUEST TO USE ALTERNATIVE TECHNIQUES FOR

REACTOR VESSEL HEAD REPAIR

1. A Section III analysis should be performed to demonstrate the structural integrity of the weld repair. In addition, the experience from other licensees who have completed their control rod drive mechanism (CRDM) nozzle repairs of a similar nature indicates that a weld anomaly could exist at the root of the CRDM weld repair. As a result, they requested relief from NB-5330(b), which requires that indications characterized as cracks, lack of fusion, or incomplete penetration are unacceptable regardless of length; and proposed, alternatively, a flaw evaluation using a conservatively assumed flaw size to demonstrate the structural integrity of the weld repair with weld anomaly. The Nuclear Regulatory Commission requests that the licensee either demonstrate through ultrasonic testing that the repair would not have this weld anomaly or request relief from NB-5330(b) and perform a flaw evaluation to assess the impact of this anomaly on the structural integrity of the weld repair.
2. Identify the specific paragraphs and subparagraphs that you are taking exception to from the AME Boiler and Pressure Vessel Code for each of your exceptions, and the basis for the exceptions.
3. How do you intend to address crevice corrosion?
4. Triple point anomaly (TPA) is the joining of three different materials. Address any implications of TPA on the primary water stress corrosion cracking (PWSCC) and the non-PWSCC sides of the repair welds.
5. Verify the edition of the Code that is being referenced for the Section III repairs and non-destructive examination.

Enclosure