

February 3, 2006

Mr. James A. Spina, 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 REGARDING RELIEF  
REQUEST TO USE ALTERNATIVE TECHNIQUES FOR REPAIR OF WELDED  
NOZZLES (TAC NOS. MC9583 AND MC9584)

Dear Mr. Vanderheyden:

By letter dated December 21, 2005 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML053620026), Calvert Cliffs Nuclear Power Plant, Inc. (the licensee) submitted a relief request to use alternative repair and examination techniques for repair of unacceptable indications in welded nozzles at Calvert Cliffs Nuclear Power Plant, Unit Nos. 1 and 2 (Calvert Cliffs). Specifically, the licensee requested relief from certain requirements of American Society of Mechanical Engineers Boiler and Pressure Vessel Code (ASME Code), Section XI, concerning repair or replacement activities for pressure-retaining welds subject to Article IWA-4000. The licensee has proposed to use a half-nozzle design to repair any existing hot leg instrument nozzle with identified leakage using the techniques based on Westinghouse Electric Company Report WCAP-15973-P, Revision 1, "Low-Alloy Steel Component Corrosion Analysis Supporting Small-Diameter Alloy 600/690 Nozzle Repair/Replacement Program." In its safety evaluation (SE) dated January 12, 2005, approving WCAP-15973-P, the Nuclear Regulatory Commission (NRC) staff stated that half-nozzle repairs are considered alternatives to the ASME Code. Therefore, the licensee shall submit the required information in WCAP-15973-P, by the conditions of the SE, as a relief request in accordance with Section 50.55a of Part 50 of Title 10 of the *Code of Federal Regulations*.

The NRC staff has reviewed the information provided in support of the relief request and has determined that additional information is needed. In this regard, the NRC staff requests the licensee submit a copy of (1) the welding procedure specification(s) that will be used for weld buildup and attachment welds, and (2) a description of any non-destructive examination that will be performed for final acceptance of each repaired instrument nozzle using the alternative technique. This request for additional information was discussed with your staff on February 2, 2006, and it was agreed that your response would be provided within 30 days from the date of this letter.

J. Spina

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If you should have any questions regarding this request, please contact me at 301-415-1457.

Sincerely,

***/RA/***

Patrick D. Milano, Senior Project Manager  
Plant Licensing Branch I-1  
Division of Operating reactor Licensing  
Office of Nuclear Reactor Regulation

Docket Nos. 50-317 and 50-318

cc: See next page

J. Spina

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If you should have any questions regarding this request, please contact me at 301-415-1457.

Sincerely,

**/RA/**

Patrick D. Milano, Senior Project Manager  
Plant Licensing Branch I-1  
Division of Operating reactor Licensing  
Office of Nuclear Reactor Regulation

Docket Nos. 50-317 and 50-318

cc: See next page

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