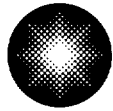


**Peter E. Katz**  
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**Constellation**  
**Nuclear**

**Calvert Cliffs**  
**Nuclear Power Plant**

*A Member of the*  
*Constellation Energy Group*

December 4, 2001

U. S. Nuclear Regulatory Commission  
Washington, DC 20555

**ATTENTION:** Document Control Desk

**SUBJECT:** Calvert Cliffs Nuclear Power Plant  
Unit No. 2; Docket No. 50-318  
Special Report – Unit 2 Reactor Vessel Water Level Monitoring System

The attached special report is submitted in accordance with Calvert Cliffs Nuclear Power Plant Technical Specification 3.3.10. The report is required due to the inoperability of Channel A of the Unit 2 Reactor Vessel Water Level Monitoring System for a period in excess of thirty days.

Should you have questions regarding this matter, we will be pleased to discuss them with you.

Very truly yours,

PEK/ALS/bjd

Attachment: (1) Unit 2 Reactor Vessel Water Level Monitoring System Special Report

cc: R. S. Fleishman, Esquire  
J. E. Silberg, Esquire  
Director, Project Directorate I-1, NRC  
D. M. Skay, NRC

H. J. Miller, NRC  
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R. I. McLean, DNR

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**ATTACHMENT (1)**

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**UNIT 2 REACTOR VESSEL WATER LEVEL MONITORING  
SYSTEM SPECIAL REPORT**

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## **ATTACHMENT (1)**

### **UNIT 2 REACTOR VESSEL WATER LEVEL MONITORING SYSTEM SPECIAL REPORT**

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Calvert Cliffs Nuclear Power Plant, Inc. submits this special report concerning the inoperable Channel A of the Unit 2 Reactor Vessel Level Monitoring System (RVLMS). This special report is required by Technical Specification 3.3.10, Condition B, Required Action B.1.

#### **ACTION TAKEN**

On October 21, 2001 at approximately 15:30, the Unit 2 RVLMS Channel A was removed from operable status, because of spurious indication on two level lights. As a result, Calvert Cliffs Nuclear Power Plant immediately entered Technical Specification 3.3.10, Condition A.

#### **EFFECT ON OPERATION**

The Reactor Vessel Water Level Monitor is post-accident monitoring instrumentation. It provides plant operators with the information needed to assess void formation in the reactor vessel head region and the trend of liquid level in the reactor vessel plenum. The Reactor Vessel Water Level Monitor consists of two redundant channels. Reactor Vessel Water Level Monitor Channel B remains operable. The removal of Channel A from operable status eliminates a means of redundant indication. However, alternate methods of monitoring for core and Reactor Coolant System voiding, using pressurizer level, Reactor Coolant System subcooling, hot leg and cold leg temperature, and core exit thermocouple instrumentation, are currently available in existing plant procedures.

#### **CAUSES OF INOPERABILITY**

The cause of the spurious indication on this single RVLMS channel has not been identified at this time. Additional investigations are continuing.

#### **PLANS AND SCHEDULES FOR RESTORING THE SYSTEM TO OPERABLE STATUS**

The affected equipment will be inspected and repaired or replaced before the end of the next Unit 2 refueling outage. The next Unit 2 refueling outage is scheduled for 1st Quarter 2003.