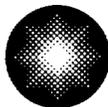


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**Constellation
Nuclear**

**Calvert Cliffs
Nuclear Power Plant**

*A Member of the
Constellation Energy Group*

January 31, 2002

U. S. Nuclear Regulatory Commission
Washington, DC 20555

ATTENTION: Document Control Desk

SUBJECT: Calvert Cliffs Nuclear Power Plant
Unit No. 1; Docket No. 50-317
Main Steam Header Noble Gas Effluent Radiation Monitor -- Special Report

The attached special report is submitted in accordance with Calvert Cliffs Nuclear Power Plant Technical Requirements Manual, Section 15.3.1, Contingency Measure B.2.2. The report is required due to the inoperability of the Unit 1 Main Steam Header Noble Gas Effluent Radiation Monitor for a period in excess of seven days.

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

Very truly yours,

PEK/CDS/bjd

Attachment

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

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

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ATTACHMENT (1)

**MAIN STEAM HEADER NOBLE GAS EFFLUENT RADIATION
MONITOR -- SPECIAL REPORT**

ATTACHMENT (1)

**MAIN STEAM HEADER NOBLE GAS EFFLUENT RADIATION MONITOR --
SPECIAL REPORT**

Calvert Cliffs Nuclear Power Plant (CCNPP) submits this Special Report concerning the inoperable Unit 1 No. 11 Main Steam Header Noble Gas Effluent Radiation Monitor as required by CCNPP Technical Requirements Manual, Section 15.3.1, Contingency Measure B.2.2.

ACTION TAKEN

The 11 Main Steam Header Noble Gas Effluent Radiation Monitor was removed from operable status on January 8, 2002 at approximately 0840 hours to perform a scheduled surveillance test. Surveillance Test Procedure M-565-1, Main Steam Radiation Monitor Calibration Check is performed on an 18-month interval.

A failure of a power supply in the control room rate meter occurred during the performance of the surveillance test. A replacement power supply was not readily available and, therefore, the repair efforts exceeded the seven-day limit, as specified in CCNPP Technical Requirements Manual, Section 15.3.1, for returning a Main Steam Header Noble Gas Effluent Radiation Monitor to operable status.

EFFECT ON OPERATION

In accordance with Contingency Measure B.1 of CCNPP Technical Requirements Manual, Section 15.3.1, and our Accidental Radioactivity Release Monitoring and Sampling Methods procedure (ERPIP-821), the preplanned alternate monitoring method was implemented. The inoperability of the Main Steam Header Noble Gas Effluent Radiation Monitor did not affect Unit 1 operation.

CAUSES OF INOPERABILITY

The cause of the inoperability is due to the failure of the power supply for the control room rate meter for the 11 Main Steam Header Noble Gas Effluent Radiation Monitor. Troubleshooting to date has not identified any other failed components. The vendor has been contacted and has stated that the failure of the power supply is an unusual occurrence. The failed power supply card has been returned to the vendor so the cause of the failure can be determined.

PLANS AND SCHEDULES FOR RESTORING THE SYSTEM TO OPERABLE STATUS

The replacement power supply card was received on January 14, 2002. Bench testing was performed on the replacement power supply card to ensure that it operates within specifications. The card was installed in the rate meter and Surveillance Test Procedure M-565-1 was completed. The 11 Main Steam Header Noble Gas Effluent Radiation Monitor was returned to service on January 17, 2002 at approximately 1700 hours.