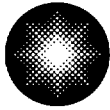


Peter E. Katz
Plant General Manager

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**Constellation
Nuclear**

**Calvert Cliffs
Nuclear Power Plant**

*A Member of the
Constellation Energy Group*

February 20, 2002

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 - Wide Range Noble Gas Effluent Radiation Monitor

The attached special report is submitted in accordance with Calvert Cliffs Updated Final Safety Analysis Report Section 15.3.1, Contingency Measure B.2.2. The report is required due to the inoperability of the Unit 2 Wide Range 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,

for
Peter E. Katz
Plant General Manager

PEK/TWG/dlm

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)

UNIT 2 WIDE RANGE NOBLE GAS EFFLUENT RADIATION MONITOR SPECIAL REPORT

Calvert Cliffs Nuclear Power Plant (CCNPP) submits this Special Report concerning the inoperable Unit 2 Wide Range Noble Gas Monitor as required by CCNPP Technical Requirements Manual, Section 15.3.1, Contingency Measure B.2.2.

ACTION TAKEN

The Unit 2 Wide Range Noble Gas Monitor was removed from operable status on January 21, 2002 at approximately 0820 hours to perform a scheduled surveillance test. The surveillance test procedure, M-564-2, is performed on an 18-month interval.

Near the end of the surveillance test procedure on January 25, 2002, a vacuum leak test was performed on the radiation monitoring system detector skid and a leak was detected. Later that day, a small leak on the sample pump was identified and a maintenance order for replacing the sample pump was approved. However, the maintenance order was assigned the wrong work priority. This resulted in a delay of the pump replacement until January 28, 2002. On January 28, 2002, the repair efforts were delayed by a misunderstanding of the compensatory measures, associated with the Limiting Condition for Operation extension on the Unit 2 No. 2A Emergency Diesel Generator, which allowed no discretionary maintenance on any Unit 2 safety-related equipment. The sample pump was replaced and the Unit 2 Wide Range Noble Gas Monitor was returned to service on January 28, 2002 at approximately 1320 hours. Locating the leak, the repair efforts, and the skid restoration exceeded the seven-day limit, as specified in CCNPP Technical Requirements Manual, Section 15.3.1, for returning a Wide Range Noble Gas 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. During the period that the Unit 2 Wide Range Noble Gas Effluent Radiation Monitor was not in operable status, the Unit 2 Main Vent Radiation Monitor remained in operable status. The inoperability of the Unit 2 Wide Range Noble Gas Monitor did not affect Unit 2 operation.

CAUSES OF INOPERABILITY

The cause of the inoperability was the inability to meet the acceptance criteria for a vacuum test on the detector skid. The small size of the leak and its location on the sample pump made it difficult to localize. The maintenance order work priority and the misunderstanding of the compensatory measures, associated with the Limiting Condition for Operation extension on the Unit 2 No. 2A Emergency Diesel Generator, also contributed to the length of time that the Unit 2 Wide Range Noble Gas Monitor was in an inoperable status.

PLANS AND SCHEDULES FOR RESTORING THE SYSTEM TO OPERABLE STATUS

A replacement sample pump was installed on January 28, 2002. The Unit 2 Wide Range Noble Gas Monitor was returned to service on January 28, 2002, at approximately 1320 hours.