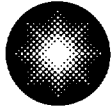


Peter E. Katz
Plant General Manager

1650 Calvert Cliffs Parkway
Lusby, Maryland 20657
410 495-4101



**Constellation
Nuclear**

**Calvert Cliffs
Nuclear Power Plant**

*A Member of the
Constellation Energy Group*

August 16, 2001

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
Wide Range 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 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,

PEK/MJY/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)

**WIDE RANGE NOBLE GAS EFFLUENT RADIATION
MONITOR -- SPECIAL REPORT**

ATTACHMENT (1)

WIDE RANGE NOBLE GAS EFFLUENT RADIATION MONITOR -- SPECIAL REPORT

Calvert Cliffs Nuclear Power Plant (CCNPP) submits this special report concerning an inoperable Unit 1 Wide Range Noble Gas Effluent Radiation Monitor channel. This special report is required by CCNPP Technical Requirements Manual, Section 15.3.1, Contingency Measure B.2.2.

ACTION TAKEN

The Unit 1 Wide Range Noble Gas Effluent Radiation Monitor was removed from operable status on July 24, 2001 at approximately 0100 to perform Surveillance Test Procedure (STP) M-564-1, Wide Range Noble Gas Monitor Calibration Check. This surveillance test procedure is performed on an 18-month interval. A malfunction was detected during the performance of Surveillance Test Procedure M-564-1. Troubleshooting determined that the mid/high range sample pump was not providing adequate sample flow to satisfy the STP acceptance criteria. This sample pump is normally in standby and only operates if the radionuclide concentration in the stack effluent exceeds a predetermined value. A replacement sample pump 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 the Wide Range Noble Gas Effluent Radiation Monitor to operable status.

EFFECT ON OPERATION

In accordance with Contingency Measure B.1 of the 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 Wide Range Noble Gas Effluent Radiation Monitor did not affect Unit 1 operation.

CAUSES OF INOPERABILITY

The cause of the inoperability was the failure of the mid/high range sample pump to achieve the required flow to satisfy the acceptance criteria in STP M-546-1. Troubleshooting did not identify any other failed components. The vendor, Sorrento Electronics, was contacted and the vendor agreed with the conclusion that the low sample flow was due to the sample pump.

PLANS AND SCHEDULES FOR RESTORING THE SYSTEM TO OPERABLE STATUS

A replacement sample pump was received on August 8, 2001. The replacement sample pump was installed and post-maintenance testing completed on August 10, 2001. The Unit 1 Wide Range Noble Gas Effluent Radiation Monitor was returned to operable status on August 10, 2001.