

**PETER E. KATZ**  
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*A Member of the  
Constellation Energy Group*



February 3, 2000

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  
Special Report - Wide Range Noble Gas Effluent Radiation Monitor

The attached special report is submitted in accordance with Calvert Cliffs 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,

A handwritten signature in black ink that reads 'Peter Katz'. The signature is written in a cursive style with a large, prominent 'P' and 'K'.

PEK/TWG/bjd

Attachment

cc: R. S. Fleishman, Esquire  
J. E. Silberg, Esquire  
Director, Project Directorate I-1, NRC  
A. W. Dromerick, NRC

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

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## ATTACHMENT (1)

### UNIT 1 WIDE RANGE NOBLE GAS EFFLUENT RADIATION MONITOR SPECIAL REPORT

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Baltimore Gas and Electric Company submits this Special Report concerning the inoperable Unit 1 Wide Range Noble Gas Effluent Radiation Monitor Channel as required by Calvert Cliffs 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 January 4, 2000 at approximately 0730 to support system modifications approved under an Engineering Service Package. The modifications included hardware and software changes. Scheduled activities for the Engineering Service Package require that the Wide Range Noble Gas Effluent Radiation Monitor be out-of-service greater than seven days. Thus, the restoration time of seven days, as specified in Calvert Cliffs Technical Requirements Manual, Section 15.3.1, for returning the Wide Range Noble Gas Effluent Radiation Monitor to operable status was not met.

#### EFFECT ON OPERATION

In accordance with Contingency Measure B.1 of Calvert Cliffs Technical Requirements Manual, Section 15.3.1, and our Accidental Radioactivity Release Monitoring and Sampling Methods procedure (ERPIP-821), the preplanned alternate monitoring method has been implemented. The inoperability of the Wide Range Noble Gas Effluent Radiation Monitor will not affect Unit 1 operation.

#### CAUSES OF INOPERABILITY

The cause of the inoperability was the planned implementation of approved design changes to the Wide Range Noble Gas Effluent Radiation Monitor. The inoperability period was greater than the seven day restoration time requirement due to the time needed to install and properly test the system modifications.

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

Modification activities for the Unit 1 Wide Range Noble Gas Effluent Radiation Monitor remain in progress. These activities took longer than anticipated due to unforeseen problems that arose during testing that require troubleshooting to be performed by an off-site vendor. The vendor is scheduled to be on-site on February 4, 2000. If troubleshooting reveals what we anticipate will only be software problems, we expect the system to be restored to operable status by February 11, 2000. However, if hardware problems are identified, the February 11, 2000 date will not be achievable and the schedule for restoring the system to operable status will depend on the type of hardware problem identified. Based on information we received from the vendor, some hardware problems can be corrected within weeks while others may take as much as two months to be corrected due to the time required to manufacture replacement parts. Regardless of what is identified during troubleshooting, all work to restore the system to operable status will continue on a priority basis.