

PETER E. KATZ
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February 3, 1997

U. S. Nuclear Regulatory Commission
Region I
475 Allendale Road
King of Prussia, PA 19406

ATTENTION: Mr. H. J. Miller, Regional Administrator

SUBJECT: Calvert Cliffs Nuclear Power Plant
Unit No. 2; Docket No. 50-318
Inoperable Main Steam Header Radiation Monitor - Special Report

The attached special report is submitted in accordance with Calvert Cliffs Unit 2 Technical Specification 3.3.3.1. The report concerns the inoperability of Unit 2 No. 22 Main Steam Header 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 dark ink, appearing to read "P. E. Katz", is written over a horizontal line.

for
P. E. Katz
Plant General Manager

PEK/RCG/dlm

Attachment: Unit 2 No. 22 Main Steam Header Radiation Monitor Special Report

cc: D. A. Brune, Esquire
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ATTACHMENT (1)

UNIT 2 NO. 22 MAIN STEAM HEADER RADIATION MONITOR SPECIAL REPORT

We submit this Special Report concerning an inoperable Main Steam Header Radiation Monitor as required by Technical Specification 3.3.3.1, Table 3.3-6, Item 2.b.ii.

ACTION TAKEN

Number No. 22 Main Steam Header Radiation Monitor was removed from Operable status on January 10, 1997 at approximately 1030 due to excessive failure alarms being received and remains inoperable.

A Special Report, dated January 17, 1997, was previously submitted stating that No. 22 Main Steam Header Radiation Monitor had experienced three independent failures each believed to be age-related. The cause of one of the failures was identified and repaired. The causes of the two remaining failures have been isolated but the repairs are not yet completed. Troubleshooting completed to date has determined that an intermittent electrical contact exists within the cable to the ratemeter from the detector and that the ratemeter electronics appear to be degrading.

Calvert Cliffs previously initiated actions to replace the Unit 2 Nos. 21 and 22 Main Steam Radiation Monitor systems during the scheduled 1997 refueling outage.

EFFECT ON OPERATION

Unit 2 Technical Specification 3.3.3.1 Action Statement (30) was entered when No. 22 Main Steam Header Radiation monitor was removed from service. In accordance with this Action Statement and our Accidental Radioactivity Release Monitoring and Sampling Methods procedure (ERPIP-821), alternate sampling methods were implemented. The inoperability of No. 22 Main Steam Header Radiation Monitor did not affect Unit 2 operation.

CAUSES OF INOPERABILITY

The causes of the inoperability are the intermittent electrical contact in the cable and degraded performance of the ratemeter.

PLANS AND SCHEDULES FOR RESTORING THE SYSTEM TO OPERABLE STATUS

Number No. 22 Main Steam Header Radiation Monitor was removed from Operable status on January 10, 1996 at approximately 1030 and remains inoperable. Plans have been made to replace the degraded No. 22 Main Steam Header Radiation Monitor ratemeter with a ratemeter removed from Unit 1 following the replacement of the Unit 1 Main Steam Header Radiation Monitor systems. The replacement of the Unit 1 Main Steam Header Radiation Monitor systems is currently scheduled for the week of February 3, 1997. A Unit 1 ratemeter is scheduled to be installed into the No. 22 Main Steam Radiation Monitor system the week of February 10, 1997. The performance of the cable from the detector to the ratemeter will be re-evaluated at that time.

Numbers 21 and 22 Main Steam Header Radiation Monitor systems will be replaced in their entirety during the scheduled 1997 refueling outage.