CHARLES H. CRUSE
Plant General Manager
Calvert Cliffs Nuclear Power Plant

Baltimore Gas and Electric Company
Calvert Cliffs Nuclear Power Plant
1650 Calvert Cliffs Parkway
Lusby, Maryland 20657
410 586-2200 Ext. 4101 Local
410 260-4101 Baltimore

BGE

December 1, 1995

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

ATTENTION: Mr. T. T. Martin, 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 Specifications 3.3.3.1 and 6.9.2. 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,

Kevin J. Nietmann

for
C. H. Cruse
Plant General Manager

CHC/RCG/bjd

Attachment

cc: Document Control Desk, NRC
D. A. Brune, Esquire
J. E. Silberg, Esquire
L. B. Marsh, NRC
D. G. McDonald, Jr., NRC
Resident Inspector, NRC
R. I. McLean, DNR
J. H. Walter, PSC

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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

On November 4, 1995, the Unit 2 No. 22 Main Steam Header Radiation Monitor was removed from service at approximately 1000 due to the monitor spiking into alarm intermittently. Troubleshooting determined that the Control Room ratemeter for the No. 22 Main Steam Header Radiation Monitor was sensitive to mechanical vibrations. Since the alarm setpoint is near the process signal, the slightest vibration was sufficient to cause an alarm. It was found that the functions of two circuit cards within the ratemeter had degraded. Troubleshooting was conducted throughout the week of November 4, 1995 and the problem was corrected. The No. 22 Main Steam Radiation Monitor was returned to service on November 13, 1995 at approximately 1715.

EFFECT ON OPERATION

Unit 2 Technical Specification 3.3.3.1 Action Statement (30) was entered when the 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 the No. 22 Main Steam Header Radiation Monitor did not affect Unit 2 operation.

CAUSES OF INOPERABILITY

The causes of the inoperability were the degraded performance of two circuit cards in the Control Room ratemeter.

PLANS AND SCHEDULES FOR RESTORING THE SYSTEM TO OPERABLE STATUS

The No. 22 Main Steam Header Radiation Monitor was returned to OPERABLE status on November 13, 1995 at approximately 1715. It was out of service for a total of nine days.