BALTIMORE GAS AND ELECTRIC

CALVERT CLIFFS NUCLEAR POWER PLANT
1650 CALVERT CLIFFS PARKWAY • LUSBY, MARYLAND 20657-4702

CHARLES H. CRUSE
PLANT GENERAL MANAGER
CALVERT CLIFFS

March 25, 1994

U. S. Nuclear Regulatory Commission
Washington, DC 20555

ATTENTION: Document Control Desk

SUBJECT: Calvert Cliffs Nuclear Power Plant
Unit Nos. 1 & 2; Docket Nos. 50-317 & 50-318
Fire Detection Instrumentation Special Report
Technical Specification 3.3.3.7, ACTION Requirement b

In accordance with our Technical Specification 3.3.3.7, ACTION Requirement b, please find attached a Special Report concerning inoperable fire detection instrumentation. Specifically, the fire detection instruments in the common Unit 1 and Unit 2 intake structure were inoperable for greater than 14 days to support refueling outage related work on Unit 1.

Should you have any questions regarding this matter, we will be pleased to discuss them with you.

Very truly yours,

CHC/WDM/DEB/bjd

Attachment

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ATTACHMENT (1)

FIRE DETECTION INSTRUMENTATION SPECIAL REPORT

BACKGROUND

On February 24, 1994, the Fire Detection Instrumentation for the common Unit 1 and Unit 2 intake structure was disabled. The smoke detection instrumentation in the intake structure was disabled to permit work activities to be conducted (welding, cutting, and grinding operations) during the Unit 1 Refueling Outage. This resulted in the instrumentation (smoke detectors) being inoperable for more than 14 days.

This type of activity typically results in the smoke detection system in the room sensing a "fire" condition and going into alarm. This condition results in a hanging or continuous alarm at the fire alarm panel in the Control Room (1C24B) and at the single point annunciator on the control boards (1C17). While other plant fire alarms will still be received and annunciated on the 1C24B panel, they will not be annunciated to the 1C17 panel. As a result, response to other plant fire alarms could be delayed. By installing the temporary alteration this condition will be alleviated. The detection system remains inoperable until the work is complete.

As specified by Technical Specification 3.3.3.7, ACTION Statement b, a special report must be issued to the Commission pursuant to Technical Specification 6.9.2 if the detection system is not restored to an operable status within 14 days.

EFFECT ON UNIT OPERATION

On February 24, 1994 with Unit 1 in MODE 6 and Unit 2 at 100 percent power, the smoke detection system was disabled in the Unit 1 and Unit 2 intake structure via a Temporary Alteration. The smoke detection in this room is listed in Technical Specification Table 3.3-11 and is addressed by Technical Specification 3.3.3.7. In accordance with this Technical Specification, an hourly fire watch patrol was established to inspect the fire zone. In addition to the hourly fire watch patrol, a continuous fire watch is required by Calvert Cliffs procedures during welding/cutting/grinding operations in the room.

PLANS AND SCHEDULES

Work in the area will be completed by the conclusion of the Unit 1 Refueling Outage and the appropriate actions will continue in accordance with Technical Specification 3.3.3.7 and procedural requirements until the fire detection equipment in the area is restored to an operable status.