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GENERAL MANAGER  
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June 22, 1992

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  
Fire Detection Instrumentation Special Report  
Technical Specification 3.3.3.7, ACTION Statement b

Gentlemen:

Per the requirements of Technical Specification 3.3.3.7, ACTION Statement b, we hereby submit the attached Special Report concerning inoperable fire detection. Specifically the detection system in the Unit 1 and Unit 2 intake structure was inoperable for greater than 14 days.

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

Very truly yours,

RED/CDS/DEB/bjd

Attachment

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NRC Chrono File (R. C. Johnson)

NRC 92-050

## ATTACHMENT (1)

### FIRE DETECTION INSTRUMENTATION SPECIAL REPORT

#### BACKGROUND

On May 21, 1992, the Fire Detection for the Unit 1 and Unit 2 intake structure was disabled. The smoke detection in the intake structure was disabled to permit work activities to be conducted (welding, cutting, and grinding operations) during the Unit 1 Refueling Outage. Although the detection was restored on June 9, 1992, the detectors were 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. 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 within 14 days.

#### EFFECT ON UNIT OPERATION

On May 21, 1992 with Unit 1 defueled 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 (CCI-117). 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 3.3.3.7, ACTION Statement b, 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

The work was completed inside the intake structure on June 9, 1992 and the detection system was restored to an operable status.