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R. E. DENTON
GENERAL MANAGER
CALVERT CLIFFS

August 21, 1992

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
Penetration Fire Barrier Special Report
Technical Specification 3.7.12, ACTION Statement a

Gentlemen:

Per the requirements of Technical Specification 3.7.12, ACTION Statement a, we hereby submit the attached Special Report concerning inoperable fire barrier penetrations, specifically Fire Dampers in the Units 1 and 2 Auxiliary Building Exhaust, Containment Purge Exhaust, and Units 1 and 2 Control and Cable Spreading Room Supply and Exhaust systems.

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

Very truly yours,

RED/KEI/DEB/bjd

Attachment

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

PENETRATION FIRE BARRIER SPECIAL REPORT

BACKGROUND

On July 20, 1992, fire dampers 1FD524F1, 1FD524F2, 2FD526F2, and 2FD526F3 were found INOPERABLE while performing testing in accordance with criteria set forth in CCI-117, Temporary Modification Control Attachment TS-1, Troubleshooting Control Form. Fire dampers 0FD512F1 and 0FD512F2 were subsequently declared INOPERABLE as they were installed in the same manner as the above referenced dampers but were inaccessible for testing purposes. The above referenced dampers were a concern because similarly installed dampers, tested as part of Engineering Test Procedure (ETP) 91-77, failed to close completely due to incorrect installation. The purpose of ETP 91-77 was to perform an inspection and functional test of each fire damper assembly by visual inspection and actual closure testing. Fire dampers 1FD524F1, 1FD524F2, 2FD526F2, and 2FD526F3 failed to close completely. As a result, all were declared inoperable.

As required by Technical Specification 3.7.12, ACTION Statement a, a Special Report must be issued to the Commission pursuant to Technical Specification 6.9.2 if the fire dampers are not restored to an operable status within seven days.

EFFECT ON UNIT OPERATION

On July 20, 1992 with Unit 1 at Mode 5 and the Unit 2 at Mode 1, fire dampers 1FD524F1 (Unit 1 Auxiliary Building Exhaust), 1FD524F2 (Unit 1 Containment Purge Exhaust), 2FD526F2 (Unit 2 Auxiliary Building Exhaust) and 2FD526F3 (Unit 2 Containment Purge Exhaust) were found INOPERABLE. Additionally, fire dampers 0FD521F1 (Control Room Cable Spreading Room Supply) and 0FD512F2 (Control Room Cable Spreading Room Exhaust) were also declared INOPERABLE as their OPERABILITY could not be verified due to inaccessibility. These fire dampers are addressed by Technical Specification 3.7.12. In accordance with Technical Specification 3.7.12, ACTION Statement a, an hourly fire watch patrol was established and OPERABILITY of fire detection instruments on one side of the affected barrier was verified.

PLANS AND SCHEDULES

A root cause analysis was conducted and has identified the causes of fire damper INOPERABILITY. The root cause and corrective actions for this event were discussed in LER 92-004. Engineering and Maintenance work is in progress to correct the problems with these fire dampers. These dampers will remain INOPERABLE and appropriate actions will continue in accordance with Technical Specification requirements until the fire dampers are restored to an OPERABLE status.