

PHILADELPHIA ELECTRIC COMPANY

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December 11, 1979

Mr. Boyce H. Grier, Director
Office of Inspection and Enforcement
Region I
United States Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, Pennsylvania 19406

Dear Mr. Grier:

SUBJECT: Licensee Event Report Narrative Description

The following occurrence was reported to Mr. Greenman, Region I, Office of Inspection and Enforcement on November 28, 1979.

Reference: Docket Number 50-277
50-278

Report No: LER 2-79-52/1T
Report Date: December 11, 1979
Occurrence Date: November 27, 1979
Facility: Peach Bottom Atomic Power Station
R.D. 1, Delta, PA 17314

Technical Specification Reference:

Technical Specification 6.9.a(9) requires reporting "performance of structures, systems, or components that require remedial action or remedial action or corrective measures to prevent operation in a manner less conservative than assumed in the accident analysis in the safety analysis report ..."

Description of the Event:

Pursuant to NRC Information Notice No. 79-28, Engineering analyzed four concrete block walls located on Elevation 135' of the Units 2 and 3 Reactor Buildings. These walls are the north and south walls of the North and South Isolation Valve Rooms, respectively, in both Reactor Buildings. The architect engineer (A/E), Bechtel Corporation has reanalyzed the seismic

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capabilities of the subject walls and has indicated that using present day calculational methods the safety factors of the concrete expansion bolts associated with the channels which support the subject walls are greater than 2, but less than the desired safety factor of 4.

Consequences Of Event:

Engineering analysis indicated that the stresses in the outer fibers of the concrete block walls will not exceed code allowable values under the loading of the Design Basis Earthquake (DBE) and, therefore, the walls will not crack under a seismic event.

Cause of Event:

The cause of this event is an engineering design deficiency.

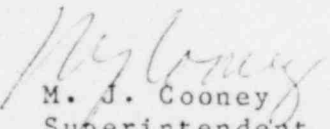
Corrective Action:

Redesign of the support for the subject walls includes the installation of 18" channel to be bolted or welded to existing channels or beams, respectively to raise the bolt safety factors to a minimum of 4. Corrective action for the two Unit 3 walls is scheduled to be completed by December 15, 1979, while modifications to the corresponding Unit 2 walls are scheduled to be completed by January 1, 1979.

Previous Similar Occurrences:

None.

Yours truly,


M. J. Cooney
Superintendent
Generation Division-Nuclear

Attachment

cc: Director, NRC - Office of Inspection and Enforcement
Mr. Norman M. Haller, NRC - Office of Management &
Program Analysis

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