

PHILADELPHIA ELECTRIC COMPANY

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July 6, 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 June 21, 1979.

Reference: Docket Number 50-278  
Report No: LER 3-79-19/1T  
Report Date: July 6, 1979  
Occurrence Date: June 21, 1979  
Facility: Peach Bottom Atomic Power Station  
R.D. 1, Delta, PA 17314

Technical Specification Reference:

Technical Specification 6.9.2.a(9) requires reporting "performance of structures, systems, or components that require 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:

As part of the seismic support inspection program initiated by IE Bulletin 79-02, an anchor associated with the RCIC piping was found to have two bolts which could not be properly torqued. An engineering analysis was performed and a determination made that, in the as found condition, the anchor would not be capable of withstanding a combination of operating and seismic loads without overstressing the anchor bolts.

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Following the identification of the two loose concrete inserts, Bechtel Power Corporation analyzed this support in order to determine its load carrying capability. This analysis concluded that, with all six bolts in place two bolts have a safety factor of 1.8, two bolts have a safety factor of 3.6, and the remaining two bolts have a safety factor in excess of 5 based on manufacturer's published ultimate load.

Consequences of Event:

The remainder of the RCIC anchors have been found to be acceptable. The as installed anchor plate does have sufficient load carrying capacity with all components properly installed to withstand the operating and seismic loads applied. The safety significance is minimal, due to the low probability of a seismic event. HPCI would be available during and after a seismic event.

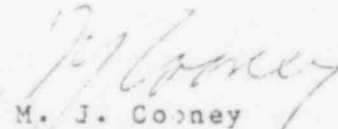
Cause of Event:

The cause of this occurrence was the improper installation of the anchor bolts.

Corrective Action:

The two improperly installed shell type anchor bolts have been removed and replaced with wedge type anchor bolts. This returned the support to its original design capability. An additional support strut has been added to increase the load carrying capability of this support and attain a minimum anchor bolt safety factor of 5.

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