

PHILADELPHIA ELECTRIC COMPANY

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September 18, 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 September 5, 1979.

Reference: Docket Number 50-278
Report No: LER 3-79-26/1T
Report Date: September 18, 1979
Occurrence Date: September 4, 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 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:

Anchor 3-23-DDN-S25 was identified as a failure and repaired in conjunction with the Seismic Support program required by NRC Bulletin 79-02. This support guides a section of the piping between the HPCI pump discharge and MO-20 valve.

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Consequences of Event:

Failure of this anchor may not have resulted in failure of the supported piping system during a seismic event. Redundant ECCS systems were available and therefore the safety significance of this anchor failure was minimal.

Cause of Event:

Investigation indicates the most probable cause of failure of these anchor bolts was improper installation.

Corrective Action:

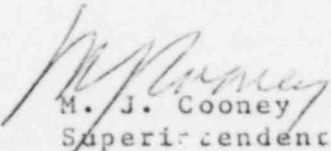
Following notification of the failure, redundant ECCS systems were tested to prove operability. Anchor 3-23 DDN-S25 is a 2-plate support. Repairs were required for each plate. Oversized plates were installed behind the original plates to provide a surface to which the original plates could be attached. The two original plates were welded to the larger plates and bolted to the wall using 3/4" X 7" Hilti Kwik bolts. The resulting calculated safety factor was 6.5. Anchor bolts were successfully torque-tested. During the period of repair, the appropriate Technical Specification action statement for HPCI was invoked.

The anchor inspection program as required by IE Bulletin 79-02 is continuing and will serve to ensure that all seismic anchors are satisfactorily installed.

Previous Similar Occurrences:

2-79-32/1T, 2-79-33/1T, 2-79-35/1T, 3-79-19/1T, 3-79-23/1T,
3-79-24/1T.

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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