

PHILADELPHIA ELECTRIC COMPANY
Peach Bottom Atomic Power Station
Delco, Pennsylvania
17314

December 4, 1979

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

POOR
ORIGINAL

SUBJECT: REPORTABLE OCCURRENCE - PROMPT NOTIFICATION - UPDATE

Confirming the notification of Mr. Greenman, Region I, United States Nuclear Regulatory Commission on December 4, 1979

Reference: Docket No. 50-278
Peach Bottom Unit 3
Technical Specification Reference: 6.9.2.A(9)

Report No. 3-79-39/1P (Update)
Occurrence Date: November 30, 1979 Update: December 4, 1979

Identification of Occurrence:

Initial prompt notification concerned four seismic supports associated with the Unit 3 one-inch control rod drive insert and withdraw piping outside of primary containment which are not seismically qualified. Subsequent analysis of hangers inside primary containment on Unit 3 associated with the same control rod drive piping lines indicates that one member of each of eight hangers would be overstressed in the event of a Design Basis Earthquake.

Apparent Cause of Occurrence:

Engineering design deficiency.

Analysis of Occurrence:

An engineering review of vendor design of seismic supports associated with small piping has revealed that four hangers outside primary containment on Unit 3 may not be capable of withstanding a seismic event. Additional analysis by the architect-engineer has indicated that one member of each of eight hangers inside primary containment associated with the above control rod drive piping would be overstressed in the case of a Design Basis Earthquake (DBE). Postulating the DBE, failure of these hangers and subsequent failure of the supporting piping would not prevent the control rods from scrambling. Additionally, our review of the control rod drive system design related to seismic inadequacies for certain hangers indicates that no drive insert and/or withdrawal line would break under a seismic event.

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Corrective Action:

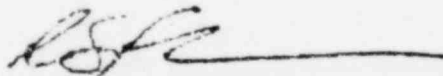
Failure to implement corrective action for the above four hangers (outside of containment) within seven days of the occurrence date will require Unit 3 to be placed in the cold shutdown condition (reference letter from R. H. Grier, Director, NRC, Region 1, to S. L. Daltruff, Vice President, Electric Production, dated October 24, 1979). Modifications to the eight seismic supports inside of containment will be completed during the Unit 3 outage scheduled to begin 12-7-79.

Previous Failures:

- | | |
|------------|------------|
| 2-79-13/1P | 3-79-19/1P |
| 2-79-35/1P | 3-79-23/1P |
| 2-79-44/1P | 3-79-25/1P |
| 2-79-49/1P | 3-79-26/1P |
| 2-79-50/1P | 3-79-29/1P |
| | 3-79-30/1P |
| | 3-79-31/1P |
| | 3-79-32/1P |

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Very truly yours,



W. T. Ullrich
Station Superintendent

WTU:llm