



PHILADELPHIA ELECTRIC COMPANY

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September 11, 1981



Mr. R. C. Haynes, Director
 Region I
 Office of Inspection and Enforcement
 US Nuclear Regulatory Commission
 631 Park Avenue
 King of Prussia, PA 19406

SUBJECT: LICENSEE EVENT REPORT NARRATIVE DESCRIPTION

Dear Mr. Haynes:

The following occurrence was reported to Mr. Cowgill, Region I, U.S. Nuclear Regulatory Commission on August 30, 1981.

Reference:	Docket No. 50-278
Report No.:	3-81-13/1T-0
Report Date:	September 14, 1981
Occurrence Date:	August 30, 1981
Facility:	Peach Bottom Atomic Power Station RD #1, Delta, PA 17314

Technical Specification Reference:

Technical Specification 3.8.B.1 states "The instantaneous gross radioactivity release concentration in liquid effluents prior to dilution in a natural body of water shall not exceed the values specified in 10 CFR Part 20, Appendix B, for unrestricted areas."

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S/11*

Description of the Event:

On August 30, 1981, at about 7:30 AM, Health Physics personnel discovered water backing up out of the floor drain system, on Elevation 135' of the Unit 3 Reactor Building, and flowing under the railroad doors and into the storm drain system.

Probable Consequences of the Occurrence:

It is estimated that between 10 and 100 gallons of water escaped from the reactor building. Samples of the water at the release point measured about 2×10^{-7} microcuries/ml. Primary isotopes involved were Zn-65, Cs-134 and Co-60. The concentrations of these isotopes were respectively, about 15, 10 and 3 times MPC. Based on this sample and an estimated maximum release of 100 gallons of water, less than .00084 curies were released. Consequences are considered minimal. The dilution of this small amount of radioactive water by the additional water in the storm drain system resulted in no detectable activity at the discharge of the storm drain to the river.

Cause of Occurrence:

The event occurred due to blockage in the floor drain system on Elevation 135' of the Unit 3 Reactor Building.

Immediate Corrective Actions:

Immediate actions were taken to stop the release of water. Water in the catch basin immediately adjacent to the railroad doors was pumped out for processing through the radwaste system. The floor drain blockage was cleared and the source of water to the floor drain system was found and isolated.

Scheduled Corrective Actions:

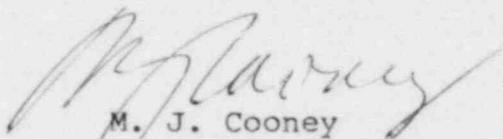
N/A

Actions Taken to Prevent Reoccurrence:

A documented review of potential liquid release paths to the environment is presently being conducted. Release paths of the

type which caused this occurrence are included in this review. Potential modifications will be evaluated and a schedule for appropriate corrective actions will be developed by December 1, 1981, as committed to in a letter from S. L. Daltroff to Boyce H. Grier dated April 16, 1981.

Very truly yours,



M. J. Cooney
Superintendent
Generation Division/Nuclear

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