PHILADELPHIA ELECTRIC COMPANY

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January 19, 1981

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

SUBJECT: LICENSEE EVENT REPORT NARRATIVE DESCRIPTION

Dear Mr. Grier:

The following occurrence was reported to Mr. Cowgill, Region I, Office of Inspection and Enforcement on January 5, 1981.

Reference:	Docket No. 50-277
Report No.:	2-81-02/1T-0
Report Date:	January 19, 1981
Occurrence Date:	January 5, 1981
Facility:	Peach Bottom Atomic Power Station RD #1, Delta, PA 17314

Technical Specification Reference:

Technical Specification 3.5.D.1 states in part that "The RCIC Subsystem shall be operable whenever...reactor pressure is greater than 105 psig...except as specified in 3.5.D.2 below."

Technical Specification 3.5.D.2 states that "From and after the date that the RCICS is made or found to be inoperable for any reason, continued reactor power operation is permissible only during the succeeding seven days provided that during such seven days the HPCIS is operable."

Description of the Event:

While performing a routine Surveillance Test on the RCIC subsystem, the control room operator observed that RCIC pump flow indication was upscale while the pump was secured. This upscale signal would have caused the automatic flow control

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system to send a minimum turbine speed signal to the RCIC turbine if the system had been required to operate.

Probable Consequences of the Occurrence:

The RCIC subsystem flow indication failure did not affect manual control of the system from the control room nor automatic or manual control from the Emergency Shutdown Panel. Additionally, the HPCI subsystem was immediately tested and verified operable.

Cause of the Event:

The cause of the occurrence was electronic failure of a square root extractor in the RCIC flow control circuitry which caused a false full scale flow indication regardless of actual RCIC flow.

Corrective Action:

The square root extractor was replaced in kind and the RCIC subsystem was satisfactorily tested and returned to service the same day.

Very truly yours.

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