PHILADELPHIA ELECTRIC COMPANY

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November 26, 1980

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

Dear Mr. Grier:

SUBJECT: Licensee Event Report Narrative Description

The following occurrence was reported to Mr. Cowgill, Region I, Office of Inspection and Enforcement on November 14, 1980.

Reference:	Docket No. 50-278
Report No.:	LER 3-80-26/1T
Report Date:	November 26, 1980
Occurrence Date:	November 14, 1980
Facility:	Peach Bottom Atomic Power Station RD 1, Delta, Pennsylvania

Technical Specification Reference:

Technical Specification 3.5.C.1 states in part that, "The HPCI Subsystem shall be operable whenever there is irradiated fuel in the reactor vessel...except as specified in 3.5.C.2..."

Technical Specification 3.5.C.2 states in part that "From and after the date that the HPCI Subsystem is made or found to be inoperable for any reason, continued reactor operation is permissable only during the succeeding seven days...providing that...the ADS subsystem, the RCIC system, the LPCI subsystem and both core spray subsystems are operable."

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Description of the Event:

Operator observation of HPCI flow controller revealed downscale output. HPCI was declared inoperable and required surveillance testing was initiated. Following investigation of the flow controller problem, it was replaced with the HPCI flow controller from Unit 2 thus resulting in an inoperable Unit 2 HPCI. Unit 2 was in the process of shutting down for unrelated reasons. The Unit 3 HPCI was tested with the replaced flow controller and determined operable.

Probable Consequences of the Occurrence:

The Unit 3 HPCI was inoperable for approximately four hours during which time all other Unit 3 ECCS systems were operable and required surveillance testing was in progress. Unit 2 was in the process of shutting down at which time HPCI would not be required to be operable. In addition, Unit 2 HPCI was operable in manual with the controller removed.

Cause of the Event:

A zener diode and resistor in the HPCI GEMAC Type 540 flow controller failed, causing the output of the controller to drift.

Corrective Action:

As described above, the Unit 3 HPCI controller was replaced and tested satisfactorily. The failed components in the flow controller originally taken from Unit 3 were replaced and the controller satisfactorily tested. On November 16, 1980, the Unit 3 HPCI system was restored to service.

Very truly yours,

M. J. Cooney
Superintendent
Generation Division

BAA/klm

Attachment

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