PHILADELPHIA ELECTRIC COMPANY

2301 MARKET STREET

P.O. BOX 8699

PHILADELPHIA, PA. 19101

(215) 841-4000

November 20, 1980

Mr. Boyce H. Grier, Director
Office of Inspection and Enforcement
Region I
U.S. 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. Blough, Region I, Office of Inspection and Enforcement on November 6, 1980.

Reference:	Docket Number 50-277
Report No.:	LER 2-80-27/1T-0
Report Date:	November 20, 1980
Occurrence Date:	November 6, 1980
Facility:	Peach Bottom Atomic Power Station RD #1, Delta, PA 17314

Technical Specification Reference:

There is no Technical Specification reference. This item is reportable under Item 6.a of Bulletin 80-17 dated July 3, 1980, which requires prompt notification (within 24 hours) of any of the following systems when it is less than fully operable: HPCI, RCIC, SLCS, RPT/RHR/pool cooling, or main steam bypass.

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Description of the Event:

During an increase of reactor power from a hot standby condition on November 6, 1980, the number three main steam bypass valve exhibited erratic operation. Reactor power was reduced until the source of the problem was identified.

Probable Consequences of the Occurrence:

Peach Bottom Unit 2 has nine main steam bypass valves. Total capacity of this system is 25% of rated steam flow. The primary function of this bypass valve system is to control reactor steam pressure when the main turbine generator is not operating. Removal of one bypass valve from this system decreases the main steam bypass capability from 25% to approximately 22%. The main steam bypass system is not considered safety related and has no Technical Specification associated with it.

Cause of Occurrence:

Investigation of the position controlling circuitry associated with number three bypass valve revealed that a lug connector which feeds the output of the bypass valve linear variable differential transformer (LVDT) to the control circuitry was broken.

Corrective Action:

The circuit board that was thought to be defective was removed which failed the bypass valve to a closed position. This action re-established a stable pressure control system for the reactor via the main steam bypass valve system. Reactor power was subsequently increased and the turbine generator returned to

On Friday, November 14, a broken lug connector was found in the wiring from the number three main steam bypass valve LVDT to the valve control circuitry. The connector was replaced. On November 17, following an unrelated shutdown, the circuit card was replaced, proper valve operation verified, and the valve restored to service.

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