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

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November 6, 1980

REGISTRATION SERVICES
BRANCH

Mr. Boyce H. Grier
Office of Inspection and Enforcement
Region 1
United States Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, PA 19406

SUBJECT: REPORTABLE OCCURRENCE - PROMPT NOTIFICATION

Confirming Howard Metz' conversation with Mr. Cowgill on November 5, 1980.

Reference: Docket No. 50-277
Peach Bottom Unit 2
Technical Specification Reference: 3.5.C.1 and
NRC Bulletin 80-17 (July 3, 1980)

Report No. 2-80-26/1P
Occurrence Date: November 5, 1980

Identification of Occurrence:

While performing a routine surveillance test on the HPCI system, the control room operator observed HPCI to start, trip and restart in succession several times. Additionally, no speed indication was observed on the control room indication while the turbine was starting. The speed signal to the indicator is the same as that to the HPCI controls which is set to open the control valve to the full open position on speed signal failure. This caused the turbine to increase speed up to the mechanical overspeed trip and trip off. The HPCI system is supplied with an auto-reset feature allowing the turbine to restart and repeat the process. Local observation confirmed this condition.

Conditions Prior to Occurrence:

Unit 2 operating at essentially full power.

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Apparent Cause of Occurrence:

A resistor which provides input power to the HGM was found to be open, preventing the speed controller from functioning properly.

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Analysis of Occurrence:

In the case where HPCI would have been required to start, the conditions explained above would have prevented HPCI from performing its required function. Testing of backup systems was initiated as required by Tech Spec 3.5.C.2. The HPCI turbine was returned to service in about 15 hours.

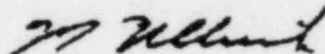
Corrective Action:

An in kind replacement of the failed component was installed and the HPCI turbine tested to verify satisfactory operation of the control system. The HPCI was declared operable by 8:00 AM on 11/6/80.

Previous Failures:

None similar.

Very truly yours,



W. T. Ullrich
Station Superintendent

WTU:11h