

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Peach Bottom Atomic Power Station - Unit 2	DOCKET NUMBER (2) 05000277	PAGE (3) 1 OF 3
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TITLE (4)
ECCS (HPCI, RCIC) Actuation Signal

EVENT DATE (5)			LER NUMBER (6)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)		
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES		DOCKET NUMBER(S)
0	5	1984	1984	09	00	0	6	1984			05000

OPERATING MODE (9)	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §. (Check one or more of the following) (11)																	
POWER LEVEL (10) 000	<input type="checkbox"/> 20.402(b)	<input type="checkbox"/> 20.406(a)(1)(i)	<input type="checkbox"/> 20.406(a)(1)(ii)	<input type="checkbox"/> 20.406(a)(1)(iii)	<input type="checkbox"/> 20.406(a)(1)(iv)	<input type="checkbox"/> 20.406(a)(1)(v)	<input type="checkbox"/> 20.406(a)	<input type="checkbox"/> 20.406(b)	<input type="checkbox"/> 20.406(c)	<input checked="" type="checkbox"/> 20.73(a)(2)(iv)	<input type="checkbox"/> 20.73(a)(2)(v)	<input type="checkbox"/> 20.73(a)(2)(vi)	<input type="checkbox"/> 20.73(a)(2)(vii)(A)	<input type="checkbox"/> 20.73(a)(2)(vii)(B)	<input type="checkbox"/> 20.73(a)(2)(ix)	<input type="checkbox"/> 72.71(b)	<input type="checkbox"/> 72.71(c)	OTHER (Specify in Abstract below and in Test, NRC Form 306A)

LICENSEE CONTACT FOR THIS LER (12)

NAME B. L. Clark, Senior Engineer - Special Projects	TELEPHONE NUMBER 215 841-5017
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COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE) NO

EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single space typewritten lines) (16)

Abstract: 2-84-09

On May 16, 1984, during present refueling outage while applying a block for the Unit 2 main steam relief valve vacuum breakers, both power supplies for the 'A' ECCS channel logic had their feeds removed. As a result, a false low-low reactor level initiation signal caused HPCI and RCIC to try to start.

Both power supply feeds were restored and the block was revised.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		Peach Bottom Atomic Power Station - Unit 2	0500027784	009	00	02	OF

TEXT (if more space is required, use additional NRC Form 366A (17))

Description of the Event:

On May 16, 1984, during refueling outage, work was to be performed on the main steam relief valve vacuum breakers. An approved blocking sequence, specifically for the vacuum breakers, did not exist. A block was developed that removed the feeds for the MSR/V vacuum breakers. However, the block also removed both the AC and the DC feeds to the ECCS 'A' channel logic. The block could have been written to have isolated only the equipment at the vacuum breakers.

When the permit was applied, the breakers at the 20Y35 panel (120 VAC) and the 20D23 panel (125 VDC) were both opened. Removing both ECCS power supplies isolated the equipment that was to be worked on, but also caused the 'A' and 'C' reactor level transmitter outputs to decrease. As the level signal decreased past the -48" setpoint, HPCI and RCIC received a start signal.

Consequences of the Event:

Since the unit was in the refueling mode with no steam pressure in the reactor vessel, the initiating of HPCI and RCIC was of no consequence since the HPCI and RCIC turbines were isolated and could not operate because of low steam pressure. The blocking of this logic would not be required other than in a cold shutdown condition.

Cause of the Event:

The cause of the ECCS actuation was the unnecessary removal of both 120 VAC and 125 VDC power feeds to the 'A' ECCS channel logic when the feed was removed from the MSR/V vacuum breakers.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		84	009	00	03	OF	03

TEXT (if more space is required, use additional NRC Form 365A (17))

Corrective Actions:

Both power supplies which had been inadvertently removed were restored. The block was revised to allow for the independent blocking of the MSR/V vacuum breakers.

PHILADELPHIA ELECTRIC COMPANY

2301 MARKET STREET
P.O. BOX 8699
PHILADELPHIA, PA. 19101

(215) 841-4000
June 15, 1984

Docket No. 50-277

Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, DC 20555

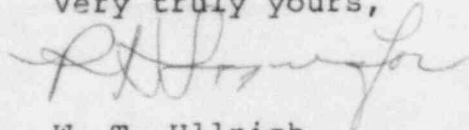
SUBJECT: Licensee Event Report

This LER deals with an ECCS (HPCI, RCIC) actuation signal caused by an error in a blocking sequence.

Reference: Docket No. 50-277
Report Number: 2-84-09
Revision Number: 00
Event Date: May 16, 1984
Report Date: June 15, 1984
Facility: Peach Bottom Atomic Power Station
RD #1, Box 208, Delta, PA 17314

This LER is submitted pursuant to the requirements of 10 CFR 50.73(a)(2)(IV).

Very truly yours,



W. T. Ullrich
Superintendent
Nuclear Generation Division

cc: Dr. Thomas E. Murley, Administrator
Region I, USNRC

Mr. A. R. Blough, Site Inspector

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