



PEACH BOTTOM—THE POWER OF EXCELLENCE

PHILADELPHIA ELECTRIC COMPANY

PEACH BOTTOM ATOMIC POWER STATION

R. D. 1, Box 208
Delta, Pennsylvania 17314

(717) 456-7014

October 1, 1991

Docket Nos. 50-278

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

SUBJECT: Licensee Event Report
Peach Bottom Atomic Power Station - Unit 3

This LER concerns the High Pressure Coolant Injection system being inoperable due to a power supply inverter inadvertently being turned off.

Reference:	Docket Nos. 50-278
Report Number:	3-91-014
Revision Number:	00
Event Date:	09/05/91
Report Date:	10/01/91
Facility:	Peach Bottom Atomic Power Station RD 1, Box 208, Delta, PA 17314

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

Sincerely,

cc: J. J. Lyash, USNRC Senior Resident Inspector
T. T. Martin, USNRC, Region 1

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LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Peach Bottom Atomic Power Station - Unit 3										DOCKET NUMBER (2) 0 5 0 0 0 2 7 8				PAGE (3) 1 OF 0 3	
TITLE (4) High Pressure Coolant Injection System Being Inoperable Due to a Power Supply Inverter Inadvertently Being Turned Off															
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 NAME(S)				DOCKET NUMBER(S)		
0 9	0 5	9 1	9 1	0 1 4	0 0 1	0 0 1	0 1	9 1					0 5 0 0 0		
OPERATING MODE (9) N			THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5. (Check one or more of the following) (11)												
POWER LEVEL (10) 0 9 2		20.402(h)				20.405(h)				50.73(a)(2)(iv)		73.71(h)			
		20.406(h)(1)(i)				50.76(a)(1)				X 50.73(a)(2)(iv)		73.71(i)			
		20.406(h)(1)(ii)				50.76(a)(2)				50.73(a)(2)(v)		OTHER (Specify in Abstract below and in First LER Form 308A)			
		20.406(h)(1)(iii)				50.73(a)(2)(i)				50.73(a)(2)(ii)(A)					
		20.406(h)(1)(iv)				50.73(a)(2)(ii)				50.73(a)(2)(ii)(B)					
		20.406(h)(1)(v)				50.73(a)(2)(iii)				50.73(a)(2)(iii)					
		20.406(h)(1)(vi)				50.73(a)(2)(iv)				50.73(a)(2)(iv)					
LICENSEE CONTACT FOR THIS LER (12)															
NAME Albert A. Pulvio, Regulatory Engineer										TELEPHONE NUMBER 7 1 7 4 6 - 7 0 1 4					
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)										EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR	
YES (If yes, complete EXPECTED SUBMISSION DATE)										X NO					

ABSTRACT (2,000 to 1,400 spaces, i.e., approximately fifteen single spaced typewritten lines) (16)

On 9/05/91 at 1412 hours, the High Pressure Coolant Injection (HPCI) system (E11S:BJ) was found to be inoperable when the HPCI Flow control loop power supply inverter (E11S:INVI) was inadvertently turned off. At the time of the event, installation workers were pulling cables through the area for an unrelated plant activity and the switch was inadvertently bumped during this work. No actual safety consequences occurred as a result of this event. The operator immediately returned the HPCI Flow control loop power supply inverter to service. The event has been discussed with the involved individuals. The pertinent information from this event will be provided to other installations personnel. These components are to be relocated. There have been no previous similar LERs identified.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES 8-31-86

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (3)	PAGE (3)
Peach Bottom Atomic Power Station		YEAR SEQUENTIAL NUMBER REVISION NUMBER	
Unit 3	0 5 0 0 0 2 7 8 9 1	- 0 1 4 - 0 0	0 2 OF 0 3

TEXT (If more space is required, use additional NRC Form 305A's) (17)

Requirements for the Report

This report is submitted to satisfy the requirements of 10 CFR 50.73 (a) (2)(v) describing conditions that alone could have prevented the fulfillment of a safety function.

Unit Conditions at Time of Discovery

Unit 3 was in the RUN mode at 92% of rated thermal reactor (E11S:EA) power. There were no other systems, structures, or components that were inoperable that contributed to the event.

Description of the Events

On 9/05/91 at 1412 hours, the High Pressure Coolant Injection (HPCI) system (E11S:BJ) was found to be inoperable when the HPCI Flow control loop power supply inverter (E11S:INVT) was inadvertently turned off. The HPCI inverter is located in the Cable Spreading Room. This was identified when an alarm in the Control Room annunciated on the loss of instrument control power. The inverter power supply switch was found in the "OFF" position. The Operator returned the HPCI Flow control loop power supply inverter to service at 1422 hours and the NRC was notified via ENS at 1724 hours.

Cause of the Events

At the time of the event, Installation workers (non-utility;non-licensed) were pulling cables through the area for an unrelated plant activity and the switch was inadvertently bumped during this work. The power supply inverter is presently located at the very bottom of an electrical panel which is susceptible to inadvertent contact.

Analysis of Event

No actual safety consequences occurred as a result of this event. If a design basis accident or transient would have occurred and HPCI did not perform properly, the Automatic Depressurization System (E11S:RV) was operable, if required, to reduce reactor (E11S:RPV) pressure to allow the Low Pressure Coolant Injection (E11S:BO) Systems to inject. Additionally, the Reactor Core Isolation Cooling (RCIC) System (E11S:BM) was operable to provide core cooling.

Corrective Actions

The operator immediately returned the HPCI Flow control loop power supply inverter to service.

The event has been discussed with the involved individuals. The pertinent information from this event will be provided to other installations personnel.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES 8/31/88

FACILITY NAME (1) Peach Bottom Atomic Power Station Unit 3	DOCKET NUMBER (2) 0 5 0 0 0 2 7 8 9 1 — 0 1 4 — 0 0	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			

TEXT (If more space is required, use additional NRC Form 306A's) (17)

This inverter will be relocated to another location as part of an existing modification. This relocation should minimize future recurrences.

Previous Similar Events

There have been no previous similar LERs identified involving inoperable Emergency Core Cooling Systems due to cable installation activities.