



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 8, 1991

Docket No. 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 a "3D" Core Spray pump inoperability due to a room cooler not being available.

Reference:	Docket No. 50-278
Report Number:	3-91-015
Revision Number:	00
Event Date:	09/08/91
Report Date:	10/08/91
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)(i).

Sincerely,

A handwritten signature in black ink that reads "Ken Power".

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

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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 8 2 7 8 1 OF 0 3										PAGE 13			
TITLE (4) Core Spray Pump Inoperability Due to a Room Cooler Not Being Available Due to Personnel Error																							
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 9	0 8	9 1	9 1	0 1 5		0 0	1 0	0 8 9 1						0 5 0 0 0									
															0 6 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 1 8 9			20.403(b)				20.405(a)				50.73(a)(2)(v)				75.73(b)								
			20.40... (11)(i)				50.36(a)(1)				50.73(a)(2)(v)				75.73(a)								
			20.405(a)(11)(ii)				50.36(a)(2)				50.73(a)(2)(vi)				OTHER (Specify in Abstract below and in Part 2 of Form NRC-366)								
			20.405(a)(11)(iii)				X 50.73(a)(2)(iii)				50.73(a)(2)(vii)(A)												
			20.405(a)(11)(iv)				50.73(a)(2)(iv)				50.73(a)(2)(vii)(B)												
			20.405(a)(11)(v)				50.73(a)(2)(v)				50.73(a)(2)(x)												
LICENSEE CONTACT FOR THIS LER (12)																							
NAME Albert A. Pulvio, Regulatory Engineer														TELEPHONE NUMBER AREA LOC. 717 715 61-1710/114									
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																							
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRCDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRCDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRCDS									
SUPPLEMENTAL REPORT EXPECTED (14)										EXPECTED SUBMISSION DATE (15)					MONTH DAY YEAR								
YES (If yes, complete EXPECTED SUBMISSION DATE)										X NO													

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

On 9/8/91 at 0940 hours, during the performance of a Surveillance Test (ST), the "3D" Core Spray pump was found to be inoperable since the control switch for its room cooler (3GV024) was not in the proper position to ensure fan operation. This condition resulted in Technical Specification violations because the appropriate LCO actions and Surveillance requirements were not performed while the "3D" CS pump was inoperable. The cause of the event has been determined to be that the Shift Supervisor failed to understand and properly act on the information on the Administrative Clearance. Since no Administrative Clearance tags existed on the control switch, the switch was probably returned to its normal "RUN" position after 8/31/91 during system restoration. The Room cooler control switch for 3GV024 in the "3D" CS room was placed in the "MANUAL" position and an Administrative Clearance was applied. The event has been discussed with the involved individual. The pertinent information from this event will be provided to the appropriate Operations, Technical, and Work Control Center personnel. No actual safety consequences occurred as a result of this event. 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: 8/31/88

FACILITY NAME (1)  Peach Bottom Atomic Power Station Unit 3	DOCKET NUMBER (2)  0 5 0 0 0 2 7 8								LER NUMBER (6)			PAGE (3)										
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TEXT: If more space is required, use additional NRC Form 386A's (17)

Requirements of the Report

This report is being submitted pursuant to 10 CFR 50.73(a)(2)(i) as a result of Technical Specification (Tech Spec) violations when Limiting Condition for Operations (LCOs) were exceeded.

Unit Conditions at Time of Event

Unit 3 was in the "RUN" mode at 89.7% of thermal reactor (EIIS:EA) power. There were no systems, structures, or components that were inoperable that contributed to the event.

Description of the Event

On 9/8/91 at 0940 hours, during the performance of a Surveillance Test (ST) "IST Exercise of ESW Air Operated Valves", the "3D" Core Spray (CS)(EIIS:BM) pump (EIIS:P) was found to be inoperable since the control switch for its room cooler (3GV024) was not in the proper position to ensure fan operation. 3GV024 was found in the "RUN" position instead of the "MANUAL" position. This condition resulted in Tech Spec violations because the appropriate LCO actions and Surveillance requirements were not performed while the "3D" CS pump was inoperable.

A Non Conformance Report (NCR), initiated on 5/20/91, required that 3GV024 control switches be in the "MANUAL" position due to wires in the "3D" CS room cooler fan circuit not being qualified as safety related. The NCR was dispositioned on 5/21/91 and required that the "3D" CS room cooler control switch be maintained in the "MANUAL" position to ensure room cooler operability. 3GV024 was blocked on 5/21/91 to ensure that the control switch is maintained in the "MANUAL" position.

On 8/28/91, the Administrative Clearance on 3GV024 was removed, due to a conflict of clearances, to support maintenance activities on the redundant room cooler. 3GV024 was then left in the "MANUAL" position on 8/28/91 but no Administrative Clearance was applied to maintain the 3GV024 control switch in this position. The control switch position was verified to be correct during a CS ST on 8/31/91. Subsequently, the control switch was changed from "MANUAL" to the "RUN" position after the performance of the CS ST on 8/31/91.

Cause of the Event

The cause of the event has been determined to be that the Shift Supervisor (Utility, Licensed) failed to understand and properly act on the information, regarding the NCR, on the Administrative Clearance. Therefore the Clearance was incorrectly approved for removal to support maintenance activities on the redundant room cooler. Additionally, improved planning and coordination of this activity could have reduced the possibility of the event.

## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1)  Peach Bottom Atomic Power Station Unit 3	DOCKET NUMBER (2)  0   5   0   0   0   2   7   8   9   1   —	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
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TEXT (If more space is required, use additional NRC Form 366A's) (17)

With the Administrative Clearance removed, no positive barrier existed to maintain the control switch in the "RUN" position per the NCR. Since no Administrative Clearances tags existed on the control switch, the switch was probably returned to its normal "RUN" position after 8/31/91 during system restoration.

Analysis of Event

No actual safety consequences occurred as a result of this event. If a loss of off-site power and a design bases event would have occurred simultaneously, redundant CS and LPCI pumps would have been able to maintain reactor water level. Additionally, the "3D" CS pump would have started per design but may have overheated after extended operation since no coolers were available for that room.

Corrective Actions

The room cooler control switch for 3GV024 in the "3D" CS room was placed in the "MANUAL" position and an Administrative Clearance was applied.

The event has been discussed with the involved individual. The pertinent information from this event will be provided to the appropriate Operations, Technical, and Work Control Center personnel.

Previous Similar Events

There have been no previous similar LERs identified which involve inoperable Emergency Core Cooling Systems due to the improper clearance of room coolers Permits or Administrative Clearances.