

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Peach Bottom Atomic Power Station - Unit 2 DOCKET NUMBER (2) 05000217171 OF 013 PAGE (3)

TITLE (4) Inoperability of Diesel and Motor Driven Fire Pumps

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	DOCKET NUMBER								
0	6	2	9	8	4	8	4	0	1	3	0	0	0	2	7	1	8	
									PBAPS - Unit 3	0		5	0	0	0	2	7	8
										0		5	0	0	0			

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §. (Check one or more of the following) (11)

OPERATING MODE (9) N	20.408(a)	20.408(c)	80.73(a)(2)(iv)	73.71(b)
POWER LEVEL (10) 000	20.408(a)(1)(ii)	80.38(a)(1)	80.73(a)(2)(v)	73.71(a)
	20.408(a)(1)(iii)	80.38(a)(2)	80.73(a)(2)(vi)	OTHER (Specify in Abstract below and in Test, NRC Form 386A)
	20.408(a)(1)(iv)	80.73(a)(2)(ii)	80.73(a)(2)(vii)	
	20.408(a)(1)(v)	80.73(a)(2)(iii)	80.73(a)(2)(viii)	
	20.408(a)(1)(vi)	80.73(a)(2)(iv)	80.73(a)(2)(ix)	
	20.408(a)(1)(vii)	80.73(a)(2)(v)	80.73(a)(2)(x)	

LICENSEE CONTACT FOR THIS LER (12) B. L. Clark, Senior Engineer - Special Projects TELEPHONE NUMBER 215 841-75017 AREA CODE

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPROS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPROS
X	KIP			N					

SUPPLEMENTAL REPORT EXPECTED (14) YES (If you complete EXPECTED SUBMISSION DATE) X NO EXPECTED SUBMISSION DATE (15) MONTH DAY YEAR

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

Abstract: 2-84-13

At approximately 5:00 p.m. on June 29, 1984, with Unit 2 in the cold shutdown condition and Unit 3 operating at 100% power, the diesel driven fire pump automatically started. The motor driven fire pump was running at this time for fire system testing. At the same time, the control room received reports of flooding at elevation 116' of the turbine building. Investigation revealed that there was a break in an elbow in the fire header at that location. Both fire pumps were removed from service so that the affected portion of the fire header could be isolated. A continuous fire watch was posted in the area of the sprinkler heads fed from the isolated portion of the fire header. The diesel fire pump was returned to service 1 hour and 10 minutes later. The motor driven fire pump was tested and declared operable about 12:30 a.m. on June 30, 1984, after repairing its disconnect switch which was broken while shutting off the pump. The elbow was replaced and the fire protection system was entirely returned to service within 24 hours from the time of the occurrence.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (8)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
		84	013	00	02	OF 03

TEXT (if more space is required, use additional NRC Form 308A (1))

Description of the Event:

On June 29, 1984, with Unit 2 in cold shutdown for refueling and Unit 3 operating at 100% power level, the motor driven fire pump was running for fire system testing. The diesel driven fire pump automatically started at approximately 5:00 p.m., indicating a drop in the fire header pressure. Coincidentally, the control room received reports of flooding in the area of the elevator at the 116' elevation of the turbine building. Investigation revealed that there was a pipe break in an elbow in the fire header at that location. Both the diesel and motor driven fire pumps were shut off to permit closing the manual gate valves necessary to isolate the affected portion of the fire header.

Consequences of the Event:

Isolating the affected portion of the fire header also isolated the flow of water to the sprinkler heads (part of the sprinkler system) under the floor at elevation 135' - 0" of the turbine building in the vicinity of Unit 2 & 3 hatch. A continuous fire watch was posted in the area of the sprinkler heads.

With the affected portion of the fire header isolated, the diesel driven fire pump, which is designed to handle the flow requirements of the water fire system, was tested and declared operable 1 hour and 10 minutes after the occurrence. The motor driven fire pump was available for service 1 hour and 25 minutes after the occurrence, but was not tested since maintenance was required to repair its disconnect switch handle, which had been broken in the shutdown.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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		YEAR 84	SEQUENTIAL NUMBER 0 1 3	REVISION NUMBER 0 0	03	OF 03

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

Cause of the Event:

Cause of the event was mechanical failure along the inside seam of the elbow. The elbow is being analyzed to determine the cause of the mechanical failure.

Corrective Actions:

The handle of the disconnect switch for the motor driven fire pump was repaired, the pump was tested and declared operable 7 hours and 30 minutes after the occurrence (approximately 12:30 a.m. on June 30, 1984). The elbow in the fire header was replaced and the system was tested and declared operable within 24 hours from the time of the occurrence.

PHILADELPHIA ELECTRIC COMPANY

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July 13, 1984

Docket Nos. 50-277
50-278

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

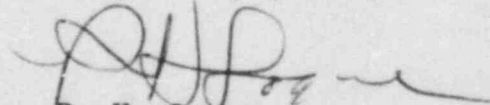
SUBJECT: Licensee Event Report

This LER deals with the inoperability of the diesel and motor driven fire pumps.

Reference:	Docket Nos. 50-277/278
Report Number:	2-84-13
Revision Number:	00
Event Date:	June 29, 1984
Report Date:	July 13, 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)(x).

Very truly yours,



R. H. Logue
Superintendent
Nuclear Services

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

Mr. A. R. Blough, Site Inspector

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