

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Peach Bottom Atomic Power Station - Unit 2 DOCKET NUMBER (2) 050002771 OF 03 PAGE (3)

TITLE (4) Smoke Detectors Removed From Service Without A Continuous Fire Watch

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)
07	15	84	84	0115	000	08	21	84		050000

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

OPERATING MODE (9)	20.402(b)	20.409(c)	80.73(a)(2)(iv)	73.71(b)
POWER LEVEL (10) 0100	20.406(a)(1)(ii)	80.36(a)(1)	80.73(a)(2)(v)	73.71(a)
	20.406(a)(1)(iii)	80.36(a)(2)	80.73(a)(2)(vi)	OTHER (Specify in Abstract below and in Test, NRC Form 356A)
	20.406(a)(1)(iv)	X 80.73(a)(2)(ii)	80.73(a)(2)(vii)(A)	
	20.406(a)(1)(v)	80.73(a)(2)(iii)	80.73(a)(2)(vii)(B)	
	20.406(a)(1)(vi)	80.73(a)(2)(iv)	80.73(a)(2)(viii)	

LICENSEE CONTACT FOR THIS LER (12) B. L. Clark, Senior Engineer - Special Projects TELEPHONE NUMBER AREA CODE 215 841-5017

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
A	I	C		N					

SUPPLEMENTAL REPORT EXPECTED (14) YES (11) YES (complete EXPECTED SUBMISSION DATE) X NO MONTH DAY YEAR

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (15)

Abstract:

On July 9, 1984, with Unit 2 in the cold shutdown condition, smoke detector alarms were received from the Unit 2 Battery and 4KV Emergency Switch Gear Rooms. Investigation by the Fire Brigade revealed that there was no fire and the reason for the alarms could not be determined. An hourly firewatch patrol was already established in the area for fire barrier penetration sealing work, which was nearing completion. Therefore, to prevent further unneeded activation of the Fire Brigade, it was considered allowable to remove smoke detectors from service in accordance with Technical Specification 3.14.C.2. Removing the detectors from service, however, violated the recent revision of Technical Specification 3.14.D.3 requirements for inoperable fire barriers. An expedited copy of this revision was in use, but the controlled copies had not yet been issued. No problems were detected by the hourly fire watch patrol while the detectors were out of service; procedure A-29, Review and Implementation of Amendments to Technical Specifications, will be revised to improve the method of informing shift supervision of changes to Technical Specifications, and personnel involved will be counseled on being fully aware of and understanding newly issued Technical Specification revisions.

8409110455 840820
PDR ADOCK 05000277
S PDR

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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

TEXT (If more space is required, use additional NRC Form 366A's) (17)

Description of the Event:

On July 9, 1984, with Unit 2 at zero percent power and in cold shutdown condition, spurious fire alarms were received from the Unit 2 Battery and Emergency Switch Gear Rooms fire detection systems. Investigation by the Fire Brigade revealed that there was no fire and the reason for the spurious alarms could not be determined. An hourly fire watch patrol was already established in the area as a result of fire barrier penetration sealing work, which was nearing completion. Therefore, it was considered allowable, to prevent further unneeded activation of the Fire Brigade, to remove the detectors from service in accordance with Technical Specification 3.14.C.2. Technical Specification 3.14.C.2 requires that if all fire detection in an area is inoperable, an hourly fire watch patrol must be established. However, removing the smoke detectors from service violated Technical Specification 3.14.D.3 for Unit 2, as amended June 20, 1984 by Amendment No. 98. This new amendment requires that a continuous fire watch on one side of an inoperable fire barrier be established, or the operability of fire detectors on at least one side of the fire barrier be verified and an hourly fire watch patrol be established. As previously stated, in the case of the Battery and 4kV Emergency Switch Gear Rooms, an hourly fire watch patrol and detection operability was being employed as the compensatory measure for the non-functional fire barriers. Amendment 98 went into effect on June 20 and expedited copies of the amendment were issued to the Control Room as required by procedure A-29, "Review and Implementation of Amendments to Technical Specifications". Prior to removing the smoke detection, the controlled Technical Specifications were referenced; however, Amendment No. 98 controlled distribution had not yet been made. Shift Supervision, not aware of the changes to Technical Specification 3.14.D.3, decided that the hourly fire watch patrol would suffice to remove detection and therefore had the smoke detection circuitry removed from service.

Consequences of the Event:

Inoperable fire barriers existed in the Battery Rooms and 4kV Emergency Switchgear Rooms when the spurious alarms were received. An hourly fire watch patrol was in place for the rooms and no fire problems were detected during the time the smoke detectors were out-of-service.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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

TEXT (If more space is required, use additional NRC Form 366A's) (17)

Cause of the Event:

Results of the investigation of the spurious alarms were inconclusive, although, it is believed that dust in the area, generated by the fire barrier penetration work, may have triggered the smoke detectors. A continuous fire watch was not posted in those areas as a result of the unavailability of a controlled copy of the revised Technical Specification regarding the fire watch requirements for fire barriers and unfamiliarity on the part of station personnel with the Technical Specifications as recently revised by Amendment No. 98 for Unit 2.

Corrective Actions:

The smoke detectors were returned to service on July 17, 1984. The personnel involved in this event will be counseled on the importance of familiarization with newly issued amendments to the Technical Specifications. Procedure A-29, "Review and Implementation of Amendments to Technical Specifications", will be revised to improve the method of informing shift supervision of the revisions. Additionally, the revision will provide measures to ensure that newly issued amendments to the Technical Specifications, which are issued on an expedited basis, are placed in the appropriate controlled copies of the Technical Specifications.

PHILADELPHIA ELECTRIC COMPANY

2301 MARKET STREET

P.O. BOX 8699

PHILADELPHIA, PA. 19101

(215) 841-4000

August 20, 1984

Docket No. 50-277

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

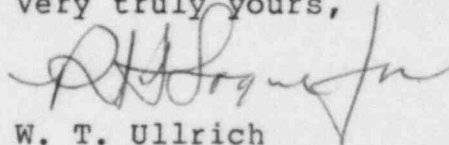
SUBJECT: Licensee Event Report

This LER concerns the inoperability of the smoke detectors in the Battery Rooms and Emergency Switchgear Rooms on Unit 2.

Reference:	Docket No. 50-277
Report Number:	2-84-15
Revision Number:	00
Event Date:	July 15, 1984
Report Date:	August 20, 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)(i). This LER submittal was delayed to obtain better information concerning this event.

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

IE 22
1/1