

LICENSEE EVENT REPORT (LER)

APPROVED OMB NO. 3180-0104
EXPIRES 6/30/85

FACILITY NAME (1) **Limerick Generating Station - Unit 1** DOCKET NUMBER (2) **0 5 0 0 0 3 5 2** PAGE (3) **1 OF 0 2**

TITLE (4) **Control Room Chlorine Analyzer Failure**

EVENT DATE (5)			LER NUMBER (6)		REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)								
MONTH	DAY	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAME	DOCKET NUMBER (2)							
1	2	3	0	84	8	4	0	4	6	0	5	0	0	0	1	1
1	2	3	0	84	8	4	0	4	6	0	5	0	0	0	1	1

OPERATING MODE (9) **2**

POWER LEVEL (10) **00 0**

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

<input type="checkbox"/> 20.402(b)	<input type="checkbox"/> 20.406(a)	<input checked="" type="checkbox"/> 20.73(a)(2)(i)	<input type="checkbox"/> 72.71(b)
<input type="checkbox"/> 20.406(a)(1)(ii)	<input type="checkbox"/> 20.406(a)(1)	<input type="checkbox"/> 20.73(a)(2)(ii)	<input type="checkbox"/> 72.71(a)
<input type="checkbox"/> 20.406(a)(1)(iii)	<input type="checkbox"/> 20.406(a)(2)	<input type="checkbox"/> 20.73(a)(2)(iii)	OTHER (Specify in Abstract below and in Text, NRC Form 364J)
<input type="checkbox"/> 20.406(a)(1)(iv)	<input type="checkbox"/> 20.73(a)(2)(iv)	<input type="checkbox"/> 20.73(a)(2)(iv)(A)	
<input type="checkbox"/> 20.406(a)(1)(v)	<input type="checkbox"/> 20.73(a)(2)(v)	<input type="checkbox"/> 20.73(a)(2)(v)(i)	
<input type="checkbox"/> 20.406(a)(1)(vi)	<input type="checkbox"/> 20.73(a)(2)(vi)	<input type="checkbox"/> 20.73(a)(2)(vi)	

LICENSEE CONTACT FOR THIS LER (12)

NAME **John C. Nagle, Engineer - Special Projects** TELEPHONE NUMBER **2 1 5 8 4 1 - 5 1 8 4**

AREA CODE

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
B	V	I	A	E	M	02	8		Y

SUPPLEMENTAL REPORT EXPECTED (14) YES (If yes, complete EXPECTED SUBMISSION DATE) NO

EXPECTED SUBMISSION DATE (15) MONTH **1** DAY **1** YEAR **84**

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

Abstract: 84-046

With the unit in the startup mode at zero power, a failure of the 'D' control room chlorine detector caused the normal ventilation to isolate and the 'B' train of the Control Room Emergency Fresh Air System to start. Investigation determined that the sample tape had broken causing the analyzer to indicate full scale. The tape was repaired and the analyzer was tested and returned to service.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1) Limerick Generating Station Unit 1	DOCKET NUMBER (2) 0 5 0 0 0 3 5 2 8 4	LER NUMBER (5)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
		84	046	01	02	OF 02

TEXT (If more space is required, use additional NRC Form 368a (17))

Description of the Event:

At approximately 1014 on December 30, 1984, the operators received an alarm "Control Room Chlorine Isolation Initiated" and the 'B' train of Control Room Emergency Fresh Air System (an engineering safety feature) started. A similar event was reported in LERS 84-006, 84-008, 84-010, 84-020 84-028, and 84-033.

Consequences of the Event:

Technical Specification 3.3.7.8.1a permits operation in the normal ventilation mode with one chlorine detection subsystem inoperable for up to seven days. The failed analyzer was returned to service within 24 hours, so the consequences of this event are minimal.

Cause of the Event:

Investigation determined that the sample tape of the 'D' chlorine analyzer (AE-78-016D), an MDA Scientific, Inc. Model 740 FAN, had broken causing the analyzer to indicate full scale.

Corrective Actions:

Instrument and Controls technicians repaired the sample tape and a checkout and calibration was completed. The analyzer was tested satisfactorily and returned to service.

Actions to Prevent Recurrence

An investigation into the cause of the tape breakage has been undertaken in concert with the equipment manufacturer. Several modifications are being considered as the result of these investigations.

PHILADELPHIA ELECTRIC COMPANY

2301 MARKET STREET
P.O. BOX 8699
PHILADELPHIA, PA. 19101
(215) 841-4000

February 19, 1985

Docket No. 50-352

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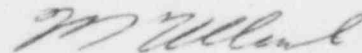
SUBJECT: Licensee Event Report
Limerick Generating Station - Unit 1

This LER, which deals with the failure of a Control Room Chlorine Analyzer, was originally reported on January 23, 1985. This revision clarifies the status of the unit at the time of the event.

Reference:	Docket No. 50-352
Report Number:	84-046
Revision Number:	01
Event Date:	December 30, 1984
Report Date:	February 19, 1985
Facility:	Limerick Generating Station P.O. Box A, Sanatoga, PA 19464

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

See Service List

I. 522
1/1

cc: Judge Helen F. Hoyt
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January 16, 1985