NRC Form 366 (9-83)

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104
EXPIRES: 8/31/85

LICENSEE EVENT REPORT (LER)

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

TITLE (4)
Main Control Room Ventilation System Isolation

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)
1 1	2 3	8 4	8 4	- 0 2 0	- 0 0	1 2	2 1	8 4		0 5 0 0 0
										0 5 0 0 0

OPERATING MODE (9): 5

POWER LEVEL (10): 0 0 0

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

	20.402(b)		20.405(c)
	20.405(a)(1)(i)		50.36(c)(1)
	20.405(a)(1)(ii)		50.36(c)(2)
	20.405(a)(1)(iii)		50.73(a)(2)(i)
	20.405(a)(1)(iv)		50.73(a)(2)(ii)
	20.405(a)(1)(v)		50.73(a)(2)(iii)
X	50.73(a)(2)(iv)		73.71(b)
	50.73(a)(2)(v)		73.71(c)
	50.73(a)(2)(vi)		OTHER (Specify in Abstract below and in Text, NRC Form 366A)
	50.73(a)(2)(vii)		
	50.73(a)(2)(viii)(A)		
	50.73(a)(2)(viii)(B)		
	50.73(a)(2)(ix)		
	50.73(a)(2)(x)		

LICENSEE CONTACT FOR THIS LER (12)

NAME	TELEPHONE NUMBER
	AREA CODE
B. L. Clark, Senior Engineer-Special Projects	2 1 5 8 4 1 - 5 0 1 7

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

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	

SUPPLEMENTAL REPORT EXPECTED (14)

		EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
YES (If yes, complete EXPECTED SUBMISSION DATE)	NO				

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

Abstract: 84-020

On November 23, 1984, the main control room ventilation system received an isolation signal as a result of a temporary loss of power to the 'D' chlorine analyzer. The isolation was caused by an inadvertent trip of the D14 emergency bus. The isolation was reset and control room ventilation was returned to normal.

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FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	
Limerick Generating Station Unit 1	0 5 0 0 0 3 5 2	84	-- 0 2 0	- 0 0	0 2 OF 0 2

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

Description of the Event:

On November 23, 1984, at 10:35 a.m., prior to initial criticality, the main control room ventilation system received an isolation signal from the 'D' channel chlorine analyzer. The 'D' chlorine analyzer is fed from D14 emergency bus. An inadvertent trip of the D14 bus 'A' phase differential relay caused the D14 bus to de-energize. Loss of power to the 'D' chlorine analyzer isolates a portion of the main control room ventilation system. As a result, control room ventilation valves HV-78-21B, HV-78-52B, HV-78-57B, and HV-78-71B moved to the closed position. Upon restoration of D14 bus power, the 'B' emergency control room fresh air fan automatically started. This occurred because the 'B' emergency fresh air fan receives a start signal from the 'D' chlorine analyzer and is fed from D14 bus. The isolation was reset and normal control room ventilation was restored.

Consequences of the Event:

The 'D' channel chlorine analyzer operated properly during the power transient by isolating the control room ventilation system as designed. Therefore, there were no adverse consequences.

Cause of the Event:

Maintenance personnel were working on a door stop inside breaker cubicle number 6 of bus D14. The D14 bus 'A' phase differential relay is mounted on the door of this cubicle. While work was being performed on the door stop the 'A' phase differential relay was bumped causing the relay to trip and isolate the bus.

Corrective Actions:

The maintenance worker involved in repairing the door stop was counseled as to the importance of practicing safe and careful work habits.

PHILADELPHIA ELECTRIC COMPANY

2301 MARKET STREET

P.O. BOX 8699

PHILADELPHIA, PA. 19101

(215) 841-4000

December 21, 1984

Docket No. 50-352

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

SUBJECT: Licensee Event Report
Limerick Generating Station - Unit 1

This LER deals with the automatic isolation of the main control room ventilation system. This event occurred prior to initial criticality.

Reference:	Docket No. 352
Report Number:	84-020
Revision Number:	00
Event Date:	November 23, 1984
Report Date:	December 21, 1984
Facility:	Limerick Generating Station P.O. Box A, Sanatoga, PA 19464

Very truly yours,

W. T. Ullrich
Superintendent
Nuclear Generation Division

cc: Dr. Thomas E. Murley, Administrator, Region I, USNRC
J. T. Wiggins, Senior Site Inspector
See Service List

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1/1

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