

LICENSEE EVENT REPORT (LER)

APPROVED OMS NO. 3180-0104
EXPIRES - 8/31/85

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)

Reactor Enclosure HVAC 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)
0 1	1 8	8 5	8 5	0 1 2	0 0 0	2 1	9	8 5			0 5 0 0 0
OPERATING MODE (9)			THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)								
2			<input checked="" type="checkbox"/> 20.402(a) <input type="checkbox"/> 20.406(a) <input type="checkbox"/> 20.73(a)(2)(iv) <input type="checkbox"/> 73.71(b)								
POWER LEVEL (10)			<input type="checkbox"/> 20.406(a)(1)(i) <input type="checkbox"/> 20.36(a)(1) <input type="checkbox"/> 20.73(a)(2)(v) <input type="checkbox"/> 73.71(a)								
0 0 4			<input type="checkbox"/> 20.406(a)(1)(ii) <input type="checkbox"/> 20.36(a)(2) <input type="checkbox"/> 20.73(a)(2)(vi) <input type="checkbox"/> OTHER (Specify in Abstract below and in Title, NRC Form 204A)								
			<input type="checkbox"/> 20.406(a)(1)(iii) <input type="checkbox"/> 20.73(a)(2)(i) <input type="checkbox"/> 20.73(a)(2)(vii)(A) <input type="checkbox"/>								
			<input type="checkbox"/> 20.406(a)(1)(iv) <input type="checkbox"/> 20.73(a)(2)(ii) <input type="checkbox"/> 20.73(a)(2)(vii)(B) <input type="checkbox"/>								
			<input type="checkbox"/> 20.406(a)(1)(v) <input type="checkbox"/> 20.73(a)(2)(iii) <input type="checkbox"/> 20.73(a)(2)(i) <input type="checkbox"/>								

LICENSEE CONTACT FOR THIS LER (12)

NAME

John C. Nagle, Engineer - Special Projects

TELEPHONE NUMBER

AREA CODE

2 1 5 8 4 1 - 5 1 8 4

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

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE)

☒ NO

EXPECTED SUBMISSION DATE (15)

MONTH DAY YEAR

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

Abstract: 85-012

During troubleshooting of the reactor enclosure HVAC differential pressure controls, an automatic isolation of the reactor enclosure HVAC system occurred. The unit was in the startup mode at less than four percent power when this event occurred. Apparently, the momentary misapplication of a jumper caused a short-circuit which caused a fuse to blow. The fuse provides power to instruments which provide inputs to the reactor enclosure HVAC isolation system (an engineered safety feature). In addition to the appropriate damper actuations, both the standby gas treatment system and reactor enclosure isolation system started, as designed.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

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

FACILITY NAME (1)

Limerick Generating Station
Unit 1

DOCKET NUMBER (2)

0 5 0 0 0 3 5 2

LER NUMBER (3)

YEAR SEQUENTIAL REVISION

NUMBER NUMBER NUMBER

85 - 0 1 2 - 0 0

PAGE (3)

0 2 OF 0 2

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

Description of the Event:

At approximately 1023 hours, with the unit at less than four percent power in the startup mode, an isolation of the reactor enclosure heating ventilation and air conditioning system occurred due to an indicated low differential pressure condition. In addition to the proper operation of the associated dampers, the Standby Gas Treatment system and the Reactor Enclosure Recirculation system performed as designed.

Consequences of the Event:

The unit was in the startup mode at very low power and all equipment responded correctly. Therefore, the consequences of this event are minimal.

Cause of the Event:

The system engineer accidentally caused a short circuit while applying a momentary jumper while troubleshooting of a faulty pressure control damper which is part of the reactor enclosure differential pressure control system. The circuit protected by this fuse provides power to a pressure switch which provides one of the inputs to the isolation logic. The loss of power produces an output which is identical to the initiation condition for this device and the isolation logic responded accordingly.

Corrective Actions:

The fuse was promptly replaced, the isolation reset, and the HVAC system returned to the normal mode of operation.

PHILADELPHIA ELECTRIC COMPANY

2301 MARKET STREET

P.O. BOX 8699

PHILADELPHIA, PA. 19101

(215) 841-4000

February 19, 1985

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 concerns the automatic isolation of the reactor enclosure ventilation system.

Reference:	Docket No. 50-352
Report Number:	85-012
Revision Number:	00
Event Date:	January 18, 1985
Report Date:	February 19, 1985
Facility:	Limerick Generating Station P.O. Box A, Sanatoga, PA 19464

This LER is being 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
J. T. Wiggins, Senior Site Inspector
See Service List

LE 22
11

cc: Judge Helen F. Hoyt
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Atomic Safety & Licensing Appeal Board
Atomic Safety & Licensing Board Panel
Docket & Service Section (3 Copies)
James Wiggins
Timothy R. S. Campbell

January 16, 1985