

LICENSEE EVENT REPORT (LER)

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

FACILITY NAME (1)
Limerick Generating Station - Unit 1

POCKET NUMBER (2)
0 5 0 0 0 3 5 2

PAGE (3)
1 OF 013

TITLE (4)
Isolation of Engineered Safety Function Systems

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)
01	12	85	85	0018	00	02	11	85			0 5 0 0 0 1 1
<p>THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §. (Check one or more of the following) (11)</p>											

OPERATING MODE (9)	POWER LEVEL (10)	20.402(b)	20.405(a)	20.731(a)(2)(i)-(v)	73.71(b)
2	00.3	20.406(a)(1)(i)-(v)	20.341(a)(1)-(3)	20.731(a)(2)(i)-(v)	73.71(a)
OTHER (Specify in Abstract below and in Title, NRC Form 204-1)					

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**

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
X	JEF	UI	B51619	N					

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If you complete EXPECTED SUBMISSION DATE) NO

EXPECTED SUBMISSION DATE (15)

MONTH	DAY	YEAR

ABSTRACT (Limit to 1400 words, i.e., approximately 10 lines spaced by 70-character lines) (16)

Abstract: 85-008

On January 12, 1985, with Unit 1 operating at 3 percent power in the startup mode, a blown fuse in the nuclear supply shutoff system logic resulted in isolation of the reactor water cleanup system, instrument gas system, and reactor enclosure ventilation system.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		8 5	0 0 8	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 January 12, 1985, at approximately 1:05 a.m. with Unit 1 operating at 3 percent power in the startup mode, fuse F-15A manufactured by Bussmann, Model No. MIN5, in the nuclear steam supply shutoff system logic blew. The blown fuse resulted in inboard isolation of the reactor water cleanup system, instrument gas system and reactor enclosure ventilation system. When the fuse blew, the isolation was indicated by appropriate annunciator alarms in the control room.

Consequences of the Event:

The fuse was replaced within ten minutes and the inboard isolations on the reactor water cleanup, instrument gas and reactor enclosure ventilation systems were reset. All systems operated as designed and there were no adverse affects on the systems due to the isolation.

Cause of the Event:

Investigation into the event indicated that no other plant activities at the time could have resulted in the blown fuse. Following the occurrence, calculations and ammeter readings of the circuit verified that the steady state current through the circuit was less than one amp. The blown fuse was rated at five amps. A seven-day current recorder is to be installed to monitor the circuit for any off-normal current fluctuations, pending Plant Operations Review Committee approval.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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		85	008	00	03	OF	03

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

Corrective Actions:

The 5 amp fuse was replaced and the inboard isolations were reset. The circuit current was measured to verify that it was not in excess of design. Further investigation of plant activities was performed to verify that no other plant activities could have caused the blown fuse. A seven-day current recorder is to be installed to monitor the circuit for any off-normal current fluctuations, pending Plant Operations Review Committee approval.

Previous Similar Occurrences

None.

PHILADELPHIA ELECTRIC COMPANY

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February 11, 1985

Docket No. 50-352

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

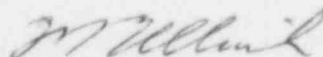
SUBJECT: Licensee Event Report
Limerick Generating Station - Unit 1

This LER concerns the isolation of various engineered safety function systems due to a blown fuse in the Nuclear Steam Supply Shutoff System logic.

Reference:	Docket No. 50-352
Report Number:	85-008
Revision Number:	00
Event Date:	January 12, 1985
Report Date:	February 11, 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

LEZZ
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January 16, 1985