

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)
Limerick Generating Station - Unit 1

DOCKET NUMBER (2)
0 5 0 0 0 3 5 2

PAGE (3)
1 OF 0 3

TITLE (4)
Isolation of the HPCI Outboard Steam Supply Isolation Valve

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 (8)
0 1	2 2	8 5	8 5	0 16	0 0	0 2	2 1	8 5			0 5 0 0 0
<p>THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11):</p>											

OPERATING MODE (9) 2	20.402(b)	20.406(a)	X	80.73(a)(2)(iv)	73.71(b)
POWER LEVEL (10) 00 3	20.406(a)(1)(i)	80.36(a)(1)		80.73(a)(2)(v)	73.71(c)
	20.406(a)(1)(ii)	80.36(a)(2)		80.73(a)(2)(vi)	OTHER (Specify in Abstract below and in Text, NRC Form 306-A)
	20.406(a)(1)(iii)	80.73(a)(2)(i)		80.73(a)(2)(vii)(A)	
	20.406(a)(1)(iv)	80.73(a)(2)(ii)		80.73(a)(2)(vii)(B)	
	20.406(a)(1)(v)	80.73(a)(2)(iii)		80.73(a)(2)(viii)	

LICENSEE CONTACT FOR THIS LER (12)
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 you 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: 85-016

On January 22, 1985, with Unit 1 in the startup condition and at 3.5 percent power, during surveillance testing on the High Pressure Coolant Injection (HPCI) system, an inadvertent closure of the HPCI outboard steam supply isolation valve, HV-55-1F003, occurred. Instrument and Controls (I&C) technicians, while connecting a volt meter across a set of contacts in accordance with the surveillance test, caused an inadvertent short circuit, energizing a relay which generates an isolation signal for the outboard isolation valve. The isolation signal was reset and HPCI was 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	LER NUMBER (6)			PAGE (3)		
		YEAR 85	SEQUENTIAL NUMBER - 0 1 6	REVISION NUMBER - 0 0			

TEXT (if more space is required, use additional NRC Form 364A (17))

Description of the Event:

On January 22, 1985, at 10:50 a.m., with Unit 1 in the startup condition and at 3.5 percent power during surveillance testing, closure of the High Pressure Coolant Injection (HPCI) outboard steam supply isolation valve, HV-55-1F003, occurred. Investigation revealed that Instrument and Controls technicians, while connecting a digital volt meter across a set of contacts in accordance with the surveillance test, inadvertently created a short circuit, energizing a relay which generates an isolation signal for the outboard isolation valve. The isolation signal was reset and HPCI was returned to service by 11:05 a.m.

Consequences of the Event:

The system performed as designed based on the energization of the particular relay. The HPCI system was returned to service within 15 minutes. There were no adverse effects as a result of the HPCI isolation.

Cause of the Event:

The contacts are located within a confined area. The I&C technicians using the surveillance test encountered difficulties in being able to connect the meter to the appropriate contacts and created a short circuit.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
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TEXT: If more space is required, use additional NRC Form 366A's (17)

Corrective Actions:

This isolation signal was reset and HPCI was returned to service at 11:05 a.m. A plant staff field report was written to request connecting lead wires from the appropriate contacts to test jacks which will be readily accessible.

A training memo was written to the technicians to emphasize the dangers of installing jumpers and to instruct those personnel performing the surveillance tests to bring to the attention of supervision any procedural steps which will appear to challenge the technician so that appropriate changes can be made.

Previous Similar Occurrences:

None.

PHILADELPHIA ELECTRIC COMPANY

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(215) 841-4000

February 21, 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 inadvertent isolation of the HPCI
outboard steam supply isolation valve.

Reference: Docket No. 50-352
Report Number: 85-016
Revision Number: 00
Event Date: January 22, 1985
Report Date: February 21, 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

IE22
1/1

cc: Judge Helen F. Hoyt
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Docket & Service Section (3 Copies)
James Wiggins
Timothy R. S. Campbell

January 16, 1985