

LICENSEE EVENT REPORT (LER)

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

FACILITY NAME (1) **Limerick Generating Station - Unit 1** DOCKET NUMBER (2) **05000352** PAGE (3) **1 OF 03**

TITLE (4) **Full Scram on Unit 1 While Returning Instr. PDI-42-1R005 to Service**

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	31	85	85	021	00	03	01	85			05000352
THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)											

OPERATING MODE (9)	POWER LEVEL (10)	20.402(b)		20.406(a)		20.73(a)(2)(iv)		72.71(b)	
2	0.03	20.402(b)(1)(i)	20.402(b)(1)(ii)	20.406(a)(1)	20.406(a)(2)	20.73(a)(2)(iv)	20.73(a)(2)(v)	20.73(a)(2)(vi)	72.71(a)
		20.402(b)(1)(iii)	20.402(b)(1)(iv)	20.406(a)(3)	20.406(a)(4)	20.73(a)(2)(vii)	20.73(a)(2)(viii)	20.73(a)(2)(ix)	OTHER (Specify in Abstract below and in Test, NRC Form 366A)
		20.402(b)(1)(v)	20.402(b)(1)(vi)	20.406(a)(5)	20.406(a)(6)	20.73(a)(2)(x)	20.73(a)(2)(xi)	20.73(a)(2)(xii)	

LICENSEE CONTACT FOR THIS LER (12)

NAME **John C. Nagle, Engineer - Special Projects** TELEPHONE NUMBER **215 841-5184**

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: 85-021

On January 31, 1985, at approximately 8:05 p.m., with Unit No. 1 in the startup condition and at 3.5 percent power, a spurious full scram occurred. The scram occurred when an operator was clearing a block and returning the Jet Pump Developed Head Instrument, PDI-42-1R005, to service. When the operator cracked open an instrument isolation valve, a pressure decrease occurred in the instrument process leg resulting in a pressure decrease in the process legs of both reactor water level transmitters, LT-42-1N080A and LT-42-1N080B, since they both share a common tap. The low level signals from transmitters LT-42-1N080A and LT-42-1N080B caused a full scram signal. The scram signals were reset by 8:11 p.m.

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Handwritten initials/signature

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 (1/7))

Description of the Event:

On January 31, 1985, at approximately 8:05 p.m., with Unit No. 1 in the startup condition and at 3.5 percent power, while an operator was returning the Jet Pump Developed Head Instrument, PDI-42-1R005, to service, a full scram occurred. Investigation indicates that the scram occurred when the operator cracked open an instrument isolation valve on PDI-42-1R005. The scram signals were reset by 8:11 p.m.

Consequences of the Event:

The reactor protection system functioned as designed. There were no adverse consequences from this event.

Cause of the Event:

Instrument PDI-42-1R005 had been blocked out-of-service for maintenance work. As a result of the maintenance, the process legs between the instrument isolation valves and the instrument rack isolation valves were not completely filled with liquid. While in the process of clearing the block, when the operator "cracked open" the instrument isolation valve, the pressure in that process leg decreased. This pressure decrease gave false low level signals to reactor water level transmitters LT-42-1N080A and LT-42-1N080B since a process leg for each of these transmitters originates on the same tap as the affected process leg for PDI-42-1R005. The low level signals from LT-42-1N080A and LT-42-1N080B properly generated a full scram signal.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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TEXT (If more space is required, use additional NRC Form 366a) (1.7)

Corrective Actions:

Instrument and Controls technicians are trained on the proper method for returning instrumentation to service. Each shift has been notified that any valving to be done on instrument racks should be done by an Instrument and Controls Technician or by an operator with an I&C Technician in attendance. Additionally, the process of backfilling and venting instrument sensing lines performed by I&C technicians has been formalized by written and approved procedure RT-11-00467.

Previous Similar Occurrences:

None.

PHILADELPHIA ELECTRIC COMPANY

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March 1, 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 full scram on Unit 1 while returning instrument PDI-42-1R005 to service.

Reference:	Docket No. 50-352
Report Number:	85-021
Revision Number:	00
Event Date:	January 31, 1985
Report Date:	March 1, 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

IELE
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January 16, 1985