

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)
Spurious Isolation of Reactor Water Cleanup

EVENT DATE (6)			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	0	4	8	5	85	0	0	2	0	0	0	2	0	1	8	5			0 5 0 0 0
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OPERATING MODE (9) **2**

POWER LEVEL (10) **0 0 4**

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

<input type="checkbox"/> 20.402(b)	<input type="checkbox"/> 20.404(a)	<input checked="" type="checkbox"/> 60.73(a)(2)(iv)	<input type="checkbox"/> 73.71(b)
<input type="checkbox"/> 20.406(a)(1)(ii)	<input type="checkbox"/> 60.30(a)(1)	<input type="checkbox"/> 60.73(a)(2)(v)	<input type="checkbox"/> 73.71(a)
<input type="checkbox"/> 20.406(a)(1)(iii)	<input type="checkbox"/> 60.30(a)(2)	<input type="checkbox"/> 60.73(a)(2)(vi)	OTHER (Specify in Abstract below and in Title, NRC Form 366A)
<input type="checkbox"/> 20.406(a)(1)(iv)	<input type="checkbox"/> 60.73(a)(2)(ii)	<input type="checkbox"/> 60.73(a)(2)(vii)(A)	
<input type="checkbox"/> 20.406(a)(1)(v)	<input type="checkbox"/> 60.73(a)(2)(iii)	<input type="checkbox"/> 60.73(a)(2)(vii)(B)	
<input type="checkbox"/> 20.406(a)(1)(vi)	<input type="checkbox"/> 60.73(a)(2)(iv)	<input type="checkbox"/> 60.73(a)(2)(viii)	

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

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 fifteen single-space typewritten lines) (16)

Abstract: 85-002

On January 4, 1985, at 8:59 p.m., with Unit No. 1 in the startup condition and at 3.5 percent power, a spurious isolation of the Reactor Water Cleanup (RWC) system occurred as the result of high differential flow between the system inlet and outlet while valving the "B" RWC filter/demineralizer into service. The isolation was reset and the RWC system was returned to service by approximately 9:15 p.m.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		8 5	- 0 0 2	- 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 4, 1985, at 8:59 p.m. with Unit No. 1 in the startup condition and at 3.5 percent power, a spurious isolation of the Reactor Water Cleanup System (RWCU) occurred. Investigation indicates that the isolation was the result of high differential flow between the inlet and outlet of the RWCU system while placing the "B" RWCU filter/demineralizer in service. The isolation was reset and the RWCU system was returned to service.

Consequences of the Event:

Reactor water chemistry, because of the short duration of the isolation, was not adversely affected. There were no adverse effects as a result of the RWCU isolation.

Cause of the Event:

Investigation indicates that a section of piping between the demineralizer's "F" valve and the common return header for all the filter/demineralizers was not properly filled and vented following system maintenance prior to placing the demineralizer in service. While slowly valving the "B" demineralizer into service, the high differential flow condition, as a result of the air in the system piping, was maintained long enough to generate the high differential flow isolation signal and isolate the RWCU system.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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

Corrective Actions:

The isolation signal was reset, the "B" filter/demineralizer was placed in service, and the RWCU system was returned to service by 9:15 p.m. on January 4, 1985. Procedure S44.3.A has been revised to allow better venting of the system piping and is being reviewed for PORC approval.

Previous Similar Occurrences:

None.

PHILADELPHIA ELECTRIC COMPANY

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February 1, 1985

Docket No. 50-352

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U.S. Nuclear Regulatory Commission
Washington, DC 20555

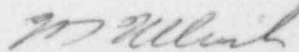
SUBJECT: Licensee Event Report
Limerick Generating Station - Unit 1

This LER concerns the spurious isolation of the Reactor Water Cleanup system on high differential flow.

Reference: Docket No. 50-352
Report Number: 85-002
Revision Number: 00
Event Date: January 4, 1985
Report Date: February 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

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41

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Docket & Service Section (3 Copies)
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Timothy R. S. Campbell

January 16, 1985