

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) LaSalle County Station Unit 2	DOCKET NUMBER (2) 0 5 0 0 0 3 7 4	PAGE (3) 1 OF 0 3
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TITLE (4)
Reactor Water Cleanup 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 9	1 3	8 4	8 4	0 6 5	0 0	1 0	0 1	8 4			0 5 0 0 0
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OPERATING MODE (9) 3	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)											
POWER LEVEL (16) 0 0 0	20.402(b)			20.406(a)			<input checked="" type="checkbox"/> 80.73(a)(2)(iv)			73.71(b)		
	20.408(a)(1)(i)			80.38(a)(1)			80.73(a)(2)(v)			73.71(a)		
	20.408(a)(1)(ii)			80.38(a)(2)			80.73(a)(2)(vi)			OTHER (Specify in Abstract below and in Text, NRC Form 305A)		
	20.408(a)(1)(iii)			80.73(a)(2)(i)			80.73(a)(2)(vii)(A)					
	20.408(a)(1)(iv)			80.73(a)(2)(ii)			80.73(a)(2)(vii)(B)					
	20.408(a)(1)(v)			80.73(a)(2)(iii)			80.73(a)(2)(viii)					

LICENSEE CONTACT FOR THIS LER (12)

NAME Kermit C. Wittenburg, extension 772	TELEPHONE NUMBER 8 1 5 3 5 1 7 1 6 1 7 1 6 1 1
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COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPROS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPROS
X	J M	T D S	R 2 8 1	N					

SUPPLEMENTAL REPORT EXPECTED (14) <input checked="" type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)	NO	EXPECTED SUBMISSION DATE (15) 1 2 0 1 8 4
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ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

On September 13, 1984, at 1557 hours with Unit 2 in Hot Shutdown at 535 psig, the Reactor Water Cleanup system (RWCU, CE) isolated on a spurious high differential temperature Division II Leak Detection trip. The event occurred while Instrument Mechanics were performing a calibration surveillance of the Reactor Core Isolation Cooling Leak Detection system, Division II. Three of the RWCU Riley temperature switch modules indicated that a trip signal had occurred. After verifying that no abnormal conditions existed in the various RWCU areas, the RWCU system was restarted and returned to normal operation.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (8)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
LaSalle County Station Unit 2	05000374	84	065	00	02	OF	03

TEXT (If more space is required, use additional NRC Form 386A's) (17)

I. EVENT DESCRIPTION

On September 13, 1984, at 1557 hours with Unit 2 in Hot Shutdown at 535 psig, the Reactor Water Cleanup system (RWCU, CE) isolated on a spurious high differential temperature Division II Leak Detection (LD, JM) trip. At the time of the event, Instrument Mechanics were performing LIS-RI-204, a calibration surveillance of the Reactor Core Isolation Cooling (RCIC, BN) Leak Detection system, Division II. The Instrument Mechanics were feeding in a signal to the 2E31-N602B, RCIC ambient temperature Riley module to verify that the switch would trip at the proper corresponding temperature setpoint. The Instrument Mechanic who was located at the front of the Control Room panel 2H13-P642 observed the RCIC module to indicate that it had tripped as required, and observed the Division II RWCU modules for the three differential temperature switches for the pump rooms to indicate a tripped condition. No isolations of the RCIC system occurred because by procedure, the isolation bypass key was placed in the "test" position during the performance of the surveillance. No abnormal conditions were observed in any of the RWCU areas. The same event occurred during the performance of the Division I modules but no isolation of the RWCU system occurred because the isolation bypass key was placed in the "test" position for the RWCU system.

II. CAUSE

The isolation signal was apparently caused by an induced signal while performing the RCIC calibration surveillance. The exact cause is not known.

III. PROBABLE CONSEQUENCES OF THE OCCURRENCE

The RWCU system was placed in a safe condition as the result of the isolation. An investigation showed that no abnormal temperatures existed in the various RWCU rooms and no leaks were observed.

IV. CORRECTIVE ACTION

After verifying that no abnormal conditions existed in the RWCU system areas, the isolation was reset and the RWCU system returned to normal operation. Members of the Technical Staff are investigating potentially related spurious isolations of the RWCU system from the LD system. The results of this action are being tracked by AIR 01-84-67089.

V. PREVIOUS OCCURRENCES

The RWCU system has isolated on a RCIC calibration of the Riley temperature switches. These events were described in LER 374/84-023-00 and 84-032-00. Similar spurious isolations of the RWCU system are described in LER's 374/84-016-00, 84-026-00, 84-028-00, 84-031-00, 84-046-00, 84-051-00, 84-056-00 and LER 373/84-028-00.

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		8 4	- 0 6 5	- 0 0	0 3	OF 0 3

TEXT (If more space is required, use additional NRC Form 305A's) (17):

VI. NAME AND TELEPHONE NUMBER OF PREPARER

Kermit C. Wittenburg, 815/357-6761, extension 772.



Commonwealth Edison
LaSalle County Nuclear Station
Rural Route #1, Box 220
Marseilles, Illinois 61341
Telephone 815/357-6761

October 1, 1984

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

Dear Sir:

Reportable Occurrence Report #84-065-00, Docket #050-374 is being submitted to your office in accordance with 10CFR 50.73.

G. J. Diederich
Superintendent
LaSalle County Station

GJD/MLD/kg

Enclosure

xc: NRC, Regional Director
INPO-Records Center
File/NRC

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