

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) LaSalle County Station Unit 1	DOCKET NUMBER (2) 0 5 0 0 0 3 1 7 3	PAGE (3) 1 OF 0 3
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TITLE (4)
Reactor Water Cleanup Isolation on High Differential Temperature

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		
0	9	1	8	4	0	5	2	0	NA		
4	8	4	4	0	0	0	9	2	DOCKET NUMBER(S) 0 5 0 0 0		
1	5	8	4	0	0	0	9	2	DOCKET NUMBER(S) 0 5 0 0 0		
4	8	4	4	0	0	0	9	2			

OPERATING MODE (9) 1

POWER LEVEL (10) 0 5 1 3

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5: (Check one or more of the following) (11)

20.402(b)	20.408(a)	<input checked="" type="checkbox"/>	90.73(a)(2)(iv)	72.71(b)
20.408(a)(1)(i)	90.36(a)(1)	<input type="checkbox"/>	90.73(a)(2)(v)	72.71(a)
20.408(a)(1)(ii)	90.36(a)(2)	<input type="checkbox"/>	90.73(a)(2)(vi)	OTHER (Specify in Abstract below and in Text, NRC Form 308A)
20.408(a)(1)(iii)	90.73(a)(2)(i)	<input type="checkbox"/>	90.73(a)(2)(vii)(A)	
20.408(a)(1)(iv)	90.73(a)(2)(ii)	<input type="checkbox"/>	90.73(a)(2)(vii)(B)	
20.408(a)(1)(v)	90.73(a)(2)(iii)	<input type="checkbox"/>	90.73(a)(2)(viii)(B)	
20.408(a)(1)(vi)	90.73(a)(2)(iv)	<input type="checkbox"/>	90.73(a)(2)(ix)	

LICENSEE CONTACT FOR THIS LER (12)

NAME JoAnn Shields, extension 330	TELEPHONE NUMBER AREA CODE 811 5 315 7 1-161716 0
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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	Z 9 9 9	Z 9 9 9	N					

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, 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)

On September 15, 1984, at 0820, the Reactor Water Cleanup system isolated on high differential temperature in the pump room. The Reactor Building ventilation was shutdown at the time of the event, allowing the heat generated in the pump room to increase.

After the isolation, the ventilation system was returned to normal, and Reactor Water Cleanup de-isolated. The system again tripped on differential flow due to pressure/density differences.

Surveillance LOS-CS-Q1, Reactor Building Damper Operability, will be revised. An investigation into flow instrument calibrations is being conducted.

The system isolated according to design.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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		YEAR 8 4	SEQUENTIAL NUMBER - 0 5 2	REVISION NUMBER - 0 0			

TEXT (If more space is required, use additional NRC Form 306A's) (17)

I. EVENT DESCRIPTION

On September 15, 1984, at 0820, the Reactor Water Cleanup system (CE, RWCU) isolated on high differential temperature in the pump room. Unit 1 reactor was in Operating Condition 1, at approximately 53% power. At the time of the event, the Unit 1 Reactor Building Ventilation system (VA) was shut down to allow the Maintenance Department to change the filters.

At 0942, the Reactor Building Ventilation system was restarted. At 0950, the Reactor Water Cleanup system was de-isolated, but the system isolated again on high differential flow as system pressure was increased from 500 psi to 1100 psi. The Reactor Water Cleanup areas were inspected for leaks, but none were found. The system was restarted, with the filters bypassed. At 114, the "C" filter was successfully placed on line.

II. CAUSE

Shutting down the Reactor Building Ventilation system reduced air flow and circulation in the building. This lower air flowrate was not sufficient to remove heat generated in the pump room. As the heat build up continued, the 13°F differential temperature setpoint was reached, and the system isolated.

As the Reactor Water Cleanup system flow instruments are calibrated for the system at rated pressure, sudden pressure changes will sometimes cause the differential flow instrumentation to respond in a conservative fashion, isolating the system.

III. PROBABLE CONSEQUENCES OF THE OCCURRENCE

The isolations occurred according to system design. Safe plant conditions were maintained at all times.

IV. CORRECTIVE ACTIONS

A caution will be placed in LOS-CS-Q1, Secondary Containment Damper Operability, to warn Operators of the effect on Reactor Water Cleanup system of shutting down the Reactor Building Ventilation system. This procedure was previously revised to prevent isolations from the Main Steam Line Tunnel Differential Temperature Instrumentation, but the Reactor Water Cleanup pump room trip was overlooked. This revision will be tracked by AIR 01-84-67100.

An investigation into the Reactor Water Cleanup flow instrument calibration is being conducted under AIR 01-84-67113.

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TEXT (If more space is required, use additional NRC Form 388A's) (17)

V. PREVIOUS EVENTS

LER 84-031-00/373

VI. NAME AND TELEPHONE NUMBER OF PREPARER

JoAnn Shields, 815/357-6761, extension 330.



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

September 26, 1984

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

Dear Sir:

Reportable Occurrence Report #84-052-00, Docket #050-373 is being submitted to your office in accordance with 10CFR 50.73.

A. J. Diederich
G. J. Diederich
Superintendent
LaSalle County Station

GJD/MLD/kg

Enclosure

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

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