

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 1									
TITLE (4) Reactor Water Cleanup Differential Flow 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 NA				DOCKET NUMBER(S) 0 5 0 0 0										
0	7	1	8	8	4	8	4	0	3	7	0	0	0	7	3	1	8	4	0	5	0	0	0
OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)																					
1		20.402(b)				20.406(e)				<input checked="" type="checkbox"/> 80.73(a)(2)(iv)				73.71(b)									
POWER LEVEL (10)		0 5 6				20.406(a)(1)(i)				80.58(a)(1)				80.73(a)(2)(v)				73.71(e)					
		20.406(a)(1)(ii)				80.36(a)(2)				80.73(a)(2)(vii)				OTHER (Specify in Abstract below and in Text, NRC Form 365A)									
		20.406(a)(1)(iii)				80.73(a)(2)(i)				80.73(a)(2)(viii)(A)													
		20.406(a)(1)(iv)				80.73(a)(2)(ii)				80.73(a)(2)(viii)(B)													
		20.406(a)(1)(v)				80.73(a)(2)(iii)				80.73(a)(2)(ix)													
LICENSEE CONTACT FOR THIS LER (12)																							
NAME JoAnn Shields, extension 330										TELEPHONE NUMBER AREA CODE 8 1 5 3 5 7 - 6 7 6 1													
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	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC				
X	GE	Z Z Z Z	Z Z Z Z	N																			
SUPPLEMENTAL REPORT EXPECTED (14)																							
YES (If yes, complete EXPECTED SUBMISSION DATE)										<input checked="" type="checkbox"/> NO						EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR			
ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)																							
<p>On July 18, 1984, at 2108, while placing the Unit 2 "B" Reactor Water Cleanup system filter in service, the Reactor Water Cleanup system isolated on high differential flow. The isolation was a result of a combination of factors: a damaged operator on a system boundary valve, and a possible improper fill and vent of the vessel. The event was of minimal significance. Safe plant conditions were maintained at all times. The system was restarted at 2140 with no difficulties.</p>																							

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES 8/31/85

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
LaSalle County Station Unit 2	05000374	84	037	00	02	OF	03

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

I. EVENT DESCRIPTION

On July 18, 1984, at 2108, while placing the Unit 2 "B" Reactor Water Cleanup system filter in service, the Reactor Water Cleanup system (CE) isolated on high differential flow (JM). The reactor was in Run Mode, at 56% power. After the isolation, the area was inspected for leaks and none were found. The system was restarted at 2140 with no difficulties.

II. CAUSE

Valve 2G33-Z001-33B, resin transfer manual stop, has a damaged operator, which makes operation of the valve and determination of valve positions difficult. This valve is manually isolated at the end of a filter precoat. The leakage past this valve is routed to the Chemical Waste Collector Tank (WK) and inputs to the Reactor Water Cleanup differential flow isolation logic. When 70 gpm differential flow is reached, the system isolates.

As there have been previous occurrences of the Reactor Water Cleanup system isolation while placing a filter on line, it is possible that the vessel fill and vent steps, which occur as part of the precoating automatic operations, were not completely filling the vessel. Then when the filter is placed on line, and system flow is used to fill the vessel, this flow adds to the system differential flow.

The isolation on July 18, 1984, was a result of a combination of the above two elements.

III. PROBABLE CONSEQUENCES OF THE OCCURRENCE

The event was of minimal significance. The system operated according to design. Safe plant conditions were maintained at all times.

IV. CORRECTIVE ACTIONS

The operator to valve 2G33-Z001-38B will be repaired under Work Request L37423.

Investigation into differential flow isolations due to de-isolation of Reactor Water Cleanup filter strings is being conducted under AIR 01-84-67113.

V. PREVIOUS OCCURRENCES

LER 50-373/84-045-00
LER 50-373/84-043-00
LER 50-374/84-036-00

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES 8/31/85

FACILITY NAME (1) LaSalle County Station Unit 2	DOCKET NUMBER (2) 0500037484	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		OF	
		84	037	00	03		03

TEXT: If more space is required, use additional NRC Form 365A's (17)

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

July 31, 1984

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

Dear Sir:

Reportable Occurrence Report #84-037-00, Docket #050-374 is being submitted to your office in accordance with 10 CFR 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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