

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) LaSalle County Station - Unit 2										DOCKET NUMBER (2) 0 5 0 0 0 3 7 4 1 OF 0 2				PAGE 12		
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 (8)			
0 9	0 7	8 4	8 4	0 6 4	0 0	0 9	2 4	8 4					0 5 0 0 0			
THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5: (Check one or more of the following) (11)																
OPERATING MODE (9)		20.402(b)				20.408(a)				<input checked="" type="checkbox"/> 80.73(a)(2)(iv)				73.71(b)		
POWER LEVEL (10)		20.408(a)(1)(i)				80.38(a)(1)				80.73(a)(2)(v)				73.71(c)		
0 0 0		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)(ix)						
LICENSEE CONTACT FOR THIS LER (12)																
NAME JoAnn M. Shields, extension 330										TELEPHONE NUMBER AREA CODE 8 1 5 3 5 7 1 - 6 7 6 1						
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDOS		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDOS						
X	C, E	2, 9, 9, 9	Z, 9, 9, 9	N												
SUPPLEMENTAL REPORT EXPECTED (14)												EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR
<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)												<input checked="" type="checkbox"/> NO				

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

On September 7, 1984, at 0325, the Reactor Water Cleanup System isolated on high differential flow. Unit 2 was in Cold Shutdown. The reactor vessel head had been vented prior to the isolation.

Density transients, due to the reactor shutdown condition are the cause of the isolation. No actual leaks were found.

Investigation into instrument calibration and setpoint conservatisms are being conducted.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO 3150-0104

EXPIRES 8/31/85

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (8)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
LaSalle County Station Unit 2	0500037484	—	064	—	0002	OF 02

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

I. EVENT DESCRIPTION

On September 7, 1984, at 0325, the Reactor Water Cleanup system (CE, RWCU) isolated (JM) on high differential flow. Unit 2 had just entered Cold Shutdown (Operating Condition 4), and the vessel head was vented to the Gland Seal leakoff reservoir per shutdown procedure LGP 2-1. After the isolation, the area was inspected for leaks, and none were found. The system was then successfully restarted.

II. CAUSE

At 0320, the reactor entered Cold Shutdown, and the reactor vessel head vents, 2B21-F001 and 2B21-F002, were opened, per LGP 2-1. Five minutes later, at 0325, the RWCU system isolated. The RWCU flow loops, which input into the isolation logic, are calibrated for the reactor at rated temperatures. During shutdown, as the reactor is at less than design conditions, density transients are expected, and isolations may occur.

III. PROBABLE CONSEQUENCES OF THE EVENT

The event was of minimal significance. The Reactor Water Cleanup system isolated according to design. The isolation is not required in Operational Condition 4, Cold Shutdown.

IV. CORRECTIVE ACTIONS

1. An investigation of the Reactor Water Cleanup areas revealed no actual leaks were present.
2. The system was promptly restarted with no difficulties.
3. AIR 01-84-67106 is outstanding to review the design temperatures used to calibrate the flow instrumentation.
4. General Electric, the system vendor, is investigating the design basis for the isolation setpoint.

V. PREVIOUS OCCURRENCES

Previous events of this type have occurred before on Unit 1 and Unit 2 as described in LER's 373/84-030, 84-033, 84-040 and 374/84-029, 84-041, 84-044, 84-054, and 84-057.

VI. NAME AND TELEPHONE NUMBER OF PREPARER

JoAnn M. 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 24, 1984

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

Dear Sir:

Reportable Occurrence Report #84-064-00, Docket #050-374 is being submitted to your office in accordance with 10CFR 50.73.

G. J. Diederich 9/28/84
G. J. Diederich
Superintendent
LaSalle County Station

GJD/MLD/kg

Enclosure

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

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