

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) LaSalle County Station Unit 1	DOCKET NUMBER (2) 050003713	PAGE (3) 1 OF 2
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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		
09	16	84	84	053	00	10	05	84	NA		
									DOCKET NUMBER(S)		
									05000		

OPERATING MODE (9) 1	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)									
POWER LEVEL (10) 0.516	<input type="checkbox"/> 20.402(b)	<input type="checkbox"/> 20.405(a)	<input checked="" type="checkbox"/> 20.73(a)(2)(iv)	<input type="checkbox"/> 73.71(b)						
	<input type="checkbox"/> 20.405(a)(1)(i)	<input type="checkbox"/> 20.38(a)(1)	<input type="checkbox"/> 20.73(a)(2)(v)	<input type="checkbox"/> 73.71(c)						
	<input type="checkbox"/> 20.405(a)(1)(ii)	<input type="checkbox"/> 20.38(a)(2)	<input type="checkbox"/> 20.73(a)(2)(vi)	OTHER (Specify in Abstract below and in Text, NRC Form 205A)						
	<input type="checkbox"/> 20.405(a)(1)(iii)	<input type="checkbox"/> 20.73(a)(2)(i)	<input type="checkbox"/> 20.73(a)(2)(vii)(A)							
	<input type="checkbox"/> 20.405(a)(1)(iv)	<input type="checkbox"/> 20.73(a)(2)(ii)	<input type="checkbox"/> 20.73(a)(2)(vii)(B)							
	<input type="checkbox"/> 20.405(a)(1)(v)	<input type="checkbox"/> 20.73(a)(2)(iii)	<input type="checkbox"/> 20.73(a)(2)(viii)							

LICENSEE CONTACT FOR THIS LER (12)

NAME JoAnn Shields, extension 330	TELEPHONE NUMBER 815 3571-6761
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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
X	CE	V	Z Z Z Z	N					

SUPPLEMENTAL REPORT EXPECTED (14)

<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE) <input checked="" type="checkbox"/> NO	EXPECTED SUBMISSION DATE (15)	MONTH DAY YEAR
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ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

On September 16, 1984, at 0440, the Reactor Water Cleanup system isolated on high differential flow. The "B" filter was in HOLD, and leaky vent valves released flow to the phase separators causing the isolation.

The leaky valves will be repaired during the upcoming unit outage.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1) LaSalle County Station Unit 1	DOCKET NUMBER (2) 0 5 0 0 0 3 7 3 8 4	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
		0 5 3	0 0	0 2	OF	0 2

TEXT (If more space is required, use additional NRC Form 388A (1) (17))

I. EVENT DESCRIPTION

On September 16, 1984, at 0440, the Reactor Water Cleanup system (CE, RWCU) isolated on high differential flow. Unit 1 was in Operating Condition 1, at approximately 56 percent power. The "B" filter had been precoated and was in HOLD, when the sound of water flow, from the vicinity of the "B" filter vent was heard. The phase separator (WD) was also receiving an unaccountable input. Visual inspection of the control panel revealed both air-operated vent valves closed. Inspection of the operators of the two manual vent valves, 1G33-Z001-29B and 39B, verified both were closed. Vent piping was warmer than surrounding piping, indicating a flow path. To determine the source of the noise, the 39B valve was cycled, but no change occurred. Inputs to the phase separator continued. The 29B valve was cycled, and the noise went away. Inputs to the phase separator stopped. The "B" filter was then placed in service, and "C" was removed from service. About 13 minutes later, the system again isolated on differential flow, and inputs to the phase separator were again noticed. When the "B" filter isolated, the inputs halted. The system was then successfully restarted at 0555.

II. CAUSE

Valve 1G33-Z001-29B is difficult to seat. When the valve is open, it can allow flow to vent to radwaste. This flow is seen by system instrumentation as differential flow, or leakage, isolating the system.

III. PROBABLE CONSEQUENCES

The system isolated per design. All fluids vented were hard piped to the radwaste phase separator. Safe plant conditions were maintained at all times.

IV. CORRECTIVE ACTION

The manual valves, 1G33-Z001-29B and 1G33-Z001-39B, will be replaced or repaired during Unit 1's September outage. This work will be tracked by AIR 01-84-67152.

V. PREVIOUS OCCURRENCES

Isolations due to filter manipulations are detailed in the following LER's:

373/84-043
373/84-045
373/84-047
374/84-036
374/84-037

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

October 5, 1984

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

Dear Sir:

Reportable Occurrence Report #84-053-00, Docket #050-373 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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