NRC Form 366
(9-83)

U.S. NUCLEAR REGULATORY COMMISSION
APPROVED OMB NO. 3150-0104
EXPIRES: 8/31/85

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)	DOCKET NUMBER (2)	PAGE (3)
LaSalle County Station Unit 2	0 5 0 0 0 3 7 4	1 OF 0 2

TITLE (4)

Reactor Water Clean-Up 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	DOCKET NUMBER(S)
0 4	0 3	8 4	8 4	0 1 3	0 0	0 5	0 1	8 4	NA	0 5 0 0 0
									NA	0 5 0 0 0

OPERATING MODE (9)	2	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)			
POWER LEVEL (10)	0 0 1	20.402(b)	20.405(c)	X 50.73(a)(2)(iv)	73.71(b)
		20.405(a)(1)(i)	50.36(c)(1)	50.73(a)(2)(v)	73.71(c)
		20.405(a)(1)(ii)	50.36(c)(2)	50.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)
		20.405(a)(1)(iii)	50.73(a)(2)(i)	50.73(a)(2)(viii)(A)	
		20.405(a)(1)(iv)	50.73(a)(2)(ii)	50.73(a)(2)(viii)(B)	
		20.405(a)(1)(v)	50.73(a)(2)(iii)	50.73(a)(2)(x)	

LICENSEE CONTACT FOR THIS LER (12)

NAME	TELEPHONE NUMBER
JoAnn M. Shields, extension 330	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 NPRDS		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	
X	C E	R V	L 2 6 5	N							

SUPPLEMENTAL REPORT EXPECTED (14)

		EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
YES (If yes, complete EXPECTED SUBMISSION DATE)	X NO				

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

Unit 2 Reactor Water Cleanup System (CE) isolated on April 3, 1984 at 1615 due to high differential flow, attributed to losses through a stuck open relief valve on the shell side of the regenerative heat exchanger. Maintenance replaced the relief valve, and the system was returned to service at 0945 on April 4, 1984. All actions occurred in accordance with system design. Safe plant conditions were maintained at all times.

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LaSalle County Station Unit 2	0 5 0 0 0 3 7 4	8 4	— 0 1 3	— 0 0	0 2 OF 0 2

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

I. EVENT DESCRIPTION

Unit 2 Reactor Water Cleanup System (CE) isolated on April 3, 1984, at 1615 due to high differential flow. The reactor was in Startup Mode, at about 1% power.

II. CAUSE

The Reactor Water Cleanup System was operating, running through the "A" heat exchanger string and discharging to the condenser. The cleanup regenerative heat exchanger shell side relief valve, 2G33-F340A, lifted and remained stuck open. Isolation of the system occurred as system differential flow reached the trip point of 70 gpm. The isolation occurred in accordance with system design. Upon discovery of the lifted relief, the "A" heat exchanger train was isolated, and the Reactor Water Cleanup System was returned to service at 0945 on April 4, 1984.

III. PROBABLE CONSEQUENCES OF THE OCCURRENCE

The event was of minimal significance as the Reactor Water Cleanup System operated according to design. Flow through the relief valve discharged to the Reactor Building equipment drain tank in accordance with design. Safe plant conditions were maintained at all times.

IV. CORRECTIVE ACTION

1. The isolation valves, 2G33-F001 and 2G33-F004, were closed and the control switches tagged with caution cards. This action was to prevent further discharge through the open relief valve.

2. The application of Technical Specification 3.3.2, Action 22, closing and declaring the isolation valves inoperable, does not directly apply to this event, but was performed as an added precaution.

3. A Work Request was written to inspect and repair the relief valve. When this investigation is complete, further corrective action will be taken as needed. Resolution of this work is being tracked by Action Item Record 01-84-67065.

V. PREVIOUS EVENTS

None.

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

May 1, 1984

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

Dear Sir:

Reportable Occurrence Report #84-013-00, 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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