

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 3

PAGE (3)

TITLE (4)

Reactor Water Cleanup Differential Temperature 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)
06	22	84	84	031		00	07	16			0 5 0 0 0
OPERATING MODE (9)			THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5. (Check one or more of the following) (11)								
1			20.402(b)			20.405(c)			X 80.73(a)(2)(iv)		
POWER LEVEL (10)			20.406(a)(1)(i)			80.36(c)(1)			80.73(a)(2)(v)		
0.70			20.406(a)(1)(ii)			80.36(c)(2)			80.73(a)(2)(vi)		
			20.406(a)(1)(iii)			80.73(a)(2)(i)			80.73(a)(2)(vii)(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)		
			20.406(a)(1)(vi)			80.73(a)(2)(iv)			80.73(a)(2)(x)		

LICENSEE CONTACT FOR THIS LER (12)

NAME

Kermit Wittenburg, extension 772

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
X	J M T I I S	R 2 8 1		N					

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE)		NO	EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
X				1	2	0 1 8 4

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

On June 22, 1984, at 1350 hours with Unit 2 operating at about 70 percent power, the Reactor Water Cleanup System (RWCU, CE) isolated on a spurious high ambient Division II temperature leak detection (JM) trip. The trip signal occurred several minutes after the Riley 2E31-N601B and 2E31-N601D switches had been taken to the "read" position. None of the RWCU temperature switch modules indicated that a trip signal had occurred. The isolation was reset and the system returned to normal operation after verifying that no abnormal conditions existed in the RWCU system areas.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1)

DOCKET NUMBER (2)

LER NUMBER (8)

PAGE (3)

LaSalle County Station Unit 2

0 5 0 0 0 3 7 4 8 4 - 0 3 1 - 9 0 0 2 OF 0 3

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

I. EVENT DESCRIPTION

On June 22, 1984, Unit 2 was operating at about 70 percent power. At the time of the event, two Technical Staff Engineers, an Instrument Mechanic, and two vendor representatives from the Riley Corporation, a subdivision of Panalarm, were examining the physical setup of the Riley Leak Detection (LD, JM) switches in the Unit 2 Control Room back panels. Permission from the Shift Control Room Engineer was obtained to take any of the Leak Detection switches for the Reactor Water Cleanup (RWCU, CE) system to the "read" position in order to check the temperatures in the various RWCU pump rooms or heat exchanger rooms. At approximately 1345 hours, Division II switches 2E31-N601B and 2E31-N601D (RWCU pump rooms "A" and "B" ambient temperature switches) were taken to the "read" position and then to the "set" position. The "set" position will indicate the trip point for the switches. The vendors, IM and Tech Staff Engineer were discussing various aspects of several spurious trips of the RWCU system when a relay from the Leak Detection system was heard to change position. A high ambient temperature Div. II alarm window on the front Control Room panel annunciated and the RWCU system isolated at 1350 hours. No trip lights on the RWCU modules were observed during this event.

II. CAUSE

The isolation signal was apparently caused by placing the RWCU LD temperature switches to the "read" position. The exact cause is not known.

III. PROBABLE CONSEQUENCES OF THE OCCURRENCE

The RWCU system was placed in a safe condition as the result of the isolation. An investigation showed that no abnormal temperatures existed in the various RWCU rooms and no leaks were observed.

IV. CORRECTIVE ACTIONS

After verifying that no abnormal conditions existed in the RWCU system areas, the isolation was reset and the RWCU system returned to normal operation. Members of the Technical Staff are investigating potentially related spurious isolations of the RWCU system from the LD system. The results of this action are being tracked by AIR 01-84-67089.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES 8/31/86

FACILITY NAME (1)

DOCKET NUMBER (2)

LER NUMBER (3)

PAGE (3)

YEAR SEQUENTIAL REVISION
NUMBER NUMBER NUMBER

LaSalle County Station Unit 2

0 5 0 0 0 3 7 4 8 4 - 0 3 1 - 0 1 0 0 3 OF 0 3

TEXT (If more space is required, use additional NRC Form 386A's.)

V. PREVIOUS OCCURRENCES

This type of event, where the RWC system isolated after taking the respective switches to the "read" position, occurred once before as described in LER 374/84-016-00. Similar spurious isolations of the RWC system are described in LER's 374/84-023-00, 374/84-026-00 and 374/84-028-00.

VI. NAME AND TELEPHONE NUMBER OF PREPARER

Kermit C. Wittenburg, (815)357-6761, extension 772.



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

July 16, 1984

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

Dear Sir:

Reportable Occurrence Report #84-031-00, Docket #050-374 is being submitted to your office in accordance with 10 CFR 50.73.

G. 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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