

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)
LaSalle County Station Unit 1

DOCKET NUMBER (2)

0 5 0 0 0 3 7 8

PAGE (3)

1 OF 0 3

TYPE (4)

Group I Isolation

EVENT DATE (5)
MONTH DAY YEAR YEAR SEQUENTIAL NUMBER REVISION NUMBER
1 0 1 8 4 8 4 - 0 5 7 - 0 0 1 0 2 3 8 4

OTHER FACILITIES INVOLVED (6)

FACILITY NAME

None

DOCKET NUMBER(S)

0 5 0 0 0

0 5 0 0 0

OPERATING MODE (8) 4
POWER LEVEL (9) 0 0 0
THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 43. (Check one or more of the following) (11)
20.402(a) 20.402(a) X 20.73(a)(2)(iv) 72.71(b)
20.402(a)(1)(i) 20.73(a)(2)(iv) 72.71(c)
20.402(a)(1)(ii) 20.73(a)(2)(v) OTHER (Specify in Abstract
20.402(a)(1)(iii) 20.73(a)(2)(vi) below and in Text, NRC Form
20.402(a)(1)(iv) 20.73(a)(2)(vii) 305A)
20.402(a)(1)(v) 20.73(a)(2)(viii)
20.402(a)(1)(vi) 20.73(a)(2)(ix)

LICENSEE CONTACT FOR THIS LER (12)

NAME

Kenneth J. Kalmon, extension 325

TELEPHONE NUMBER

AREA CODE

8115 31517 + 1671612

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
D	JM	Z999	Z999	N					

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE)

X NO

EXPECTED SUBMISSION DATE (15)

MONTH DAY YEAR

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

During performance of LIS-RP-04, Turbine Stop Valve Closure Scram and EOC-RPT Response Time Test, a Primary Containment Isolation System (PCIS) Group I isolation occurred. At the time of the occurrence, LaSalle Unit 1 was in Cold Shutdown.

Part of LIS-RP-04 requires scram sensor relays to be energized. Contacts of these relays are interlocked with PCIS Group I isolation circuitry. When the scram sensor relays were energized, the Group I isolation bypass for the main condenser low vacuum condition was defeated. Because main condenser vacuum was low at the time, a PCIS Group I isolation occurred. LIS-RP-04 did not recognize that an isolation would occur.

A temporary change was made to LIS-RP-04 to allow completion of the surveillance. The procedure will be revised permanently. Completion of this revision is being tracked by AIR 1-84-67156.

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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 (8)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
LaSalle County Station Unit 1	0 5 1 0 0 0 3 7 3	8 4	— 0 5 7	— 0 0	0 2	OF	0 3

TEXT (If more space is required, use additional NRC Form 308A's) (17)

I. EVENT DESCRIPTION

On October 1, 1984 with LaSalle Unit 1 in Cold Shutdown, a Primary Containment Isolation System (JM, PCIS) Group I isolation occurred during the performance of LIS-RP-04, Turbine Stop Valve Closure Scram and EOC-RPT Response Time Test.

II. CAUSE

Under LIS-RP-04 a test switch is installed in the Reactor Protection System (JC, RPS) scram sensor circuitry. This test switch is in parallel with turbine stop valve (TA) limit switch contacts that have scram functions. Opening the test switch simulates a turbine stop valve closure and generates a full scram signal.

Among the devices actuated by the test switch are relays number 1C71A-K10A and F or 1C71A-K10D and G. (K10A and F actuate if RPS Channels A1 and B1 are tested; K10D and G actuate if RPS Channels A2 and B2 are tested.) Contacts 11 and 12 of these relays must be closed to byrass the main condenser low vacuum signal that generates a PCIS Group I isolation.

On October 1, 1984, RPS Channels A2 and B2 were being tested. When the test switch was closed to simulate a turbine stop valve > 90% open signal, relays 1C71A-K10D and G energized. Their 11 and 12 contacts opened and the Group I isolation signal for main condenser low vacuum was no longer bypassed. Since the unit was in Shutdown as required by LIS-RP-04 and the main condenser vacuum was low, a PCIS Group I isolation occurred.

The fact that a Group I isolation would occur was not recognized in LIS-RP-04, and steps to prevent the isolation were not included. This procedural deficiency caused the October 1, 1984, occurrence.

III. PROBABLE CONSEQUENCES OF THE OCCURRENCE

LaSalle Unit 1 was in Cold Shutdown at the time of the occurrence. Reactor conditions were not affected by the Group I isolation. The Primary Containment Isolation system functioned as expected for a condition where main condenser vacuum was low and turbine stop valves were open. Safe plant operation was maintained at all times.

IV. CORRECTIVE ACTIONS

LIS-RP-04 was temporarily revised to allow completion of the surveillance. Steps were added to jumper across contacts 11 and 12 of 1C71A-K10D and G to prevent the Group I isolation.

LIS-RP-04 will be permanently revised. Completion of this revision is being tracked by AIR 1-84-67156.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/85

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LaSalle County Station Unit 1	0500037384	—	057	—00	03	OF 03

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

V. PREVIOUS OCCURRENCES

There have been no previous occurrences.

VI. NAME AND TELEPHONE NUMBER OF PREPARER

Kenneth J. Kalmon, 815/357-6761, extension 325.



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

October 23, 1984

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

Dear Sir:

Reportable Occurrence Report #84-057-00, Docket #050-373 is being submitted to your office in accordance with 10CFR 50.73.

CE Sargent

for G. J. Diederich
Superintendent
LaSalle County Station

GJD/MLD/kg

Enclosure

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

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