

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)

LaSalle County Station Unit 1

DOCKET NUMBER (2)

0 5 0 0 0 3 7 1 3 1 OF 0 1 2

TITLE (4)

Reactor Scram on Group I 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)
09	21	84	84	056	00	10	11	84			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)	POWER LEVEL (10)	20.402(b)	20.405(a)	80.73(a)(2)(iv)	73.71(b)
1	0 2 3	20.405(a)(1)(i)	80.30(a)(1)	X 80.73(a)(2)(v)	73.71(a)
		20.405(a)(1)(ii)	80.35(a)(2)	80.73(a)(2)(vi)	
		20.405(a)(1)(iii)	80.73(a)(2)(i)	80.73(a)(2)(vii)(A)	OTHER (Specify in Abstract below and in Text, NRC Form 388A)
		20.405(a)(1)(iv)	80.73(a)(2)(ii)	80.73(a)(2)(vii)(B)	
		20.405(a)(1)(v)	80.73(a)(2)(iii)	80.73(a)(2)(viii)	
		20.405(a)(1)(vi)	80.73(a)(2)(iv)	80.73(a)(2)(ix)	

LICENSEE CONTACT FOR THIS LER (12)		TELEPHONE NUMBER	
NAME	AREA CODE		
Kenneth J. Kalmon, extension 325	8175	315 71-1 6176 11	

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)										
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NFRDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NFRDS	
X	JM	PCIS	B0170	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)

On September 21, 1984, a Primary Containment Isolation System (PCIS) Group I isolation resulting in a reactor scram occurred during the performance of LIS-MS-01, Main Steam Line Low Pressure MSIV Isolation Calibration and Functional Test.

An Instrument Mechanic had just actuated pressure switch 1B21-N015C when he slightly bumped pressure switch 1B21-N015D. This bump was enough to actuate 1B21-N015D. Actuating both 1B21-N015C and 1B21-N015D caused the Group I isolation and the isolation caused a reactor scram. PCIS and Reactor Protection Systems operated as expected.

A sign warning personnel of the consequences of bumping the 1B21-N015 switches was hung near the switches of both units.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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

I. EVENT DESCRIPTION

On September 21, 1984, with LaSalle Unit 1 operating at 23% power, a Primary Containment Isolation System (JM, PCIS) Group I isolation occurred, closing the Main Steam Isolation Valves (SB, MSIV), resulting in a reactor scram (JC) since the unit was in the Run Mode. The isolation and scram occurred during the performance of LIS-MS-01, Main Steam Line Low Pressure MSIV Isolation Calibration and Functional Test.

II. CAUSE

In accordance with LIS-MS-01, an Instrument Mechanic had just generated a Main Steam Line Isolation Valve (MSIV) half isolation signal by venting Main Steam Line Low Pressure Switch, 1B21-N015C. He radioed the Control Room to confirm the proper alarm was received, then set his radio down on the instrument rack for the 1B21-N015D switch. Both 1B21-N015C and the low pressure switch for Main Steam Line "D", 1B21-N015D, are mounted on individual instrument stands but are immediately adjacent (less than 1 foot apart). The bump caused by setting the radio down was enough to actuate 1B21-N015D. Simultaneous actuation of 1B21-N015C and 1B21-N015D caused a MSIV isolation. The MSIV closure caused a reactor scram.

These pressure switches are manufactured by Barksdale, Model #BIT-M12SS.

III. PROBABLE CONSEQUENCES OF THE OCCURRENCE

PCIS logic acted as expected as if a low pressure condition actually existed on Main Steam Lines "C" and "D". Reactor Protection System (RPS) logic acted as expected when the MSIV's closed and the reactor scrambled. The plant responded as expected for an event of this type. An MSIV isolation at full power occurred as part of the Startup Testing Program.

IV. CORRECTIVE ACTION

A sign warning personnel of the consequences of bumping 1B21-N015C/D was hung at the instrument rack. A table was set up at the location of the instrument rack to give Instrument Mechanics a place to set down their equipment while testing the switches.

V. PREVIOUS OCCURRENCES

None of this type.

VI. NAME AND PHONE 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 11, 1984

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

Dear Sir:

Reportable Occurrence Report #84-056-00, Docket #050-373 is being submitted to your office in accordance with 10CFR 50.73.

G. J. Diederich 10/17/84
G. J. Diederich
Superintendent
LaSalle County Station

GJD/MLD/lrw

Enclosure

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

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