

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) LaSalle County Station	DOCKET NUMBER (2) 0 5 0 0 0 3 7 3	PAGE (3) 1 OF 0 3
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TITLE (4)  
RCIC Steam Line Differential Pressure Hi Spurious 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)																																																															
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<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:15%;">OPERATING MODE (9)</td> <td style="width:10%;">2</td> <td colspan="8">THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5: (Check one or more of the following) (11)</td> <td style="width:15%;">73.71(b)</td> <td style="width:15%;"></td> </tr> <tr> <td rowspan="6">POWER LEVEL (10) 0 0 1</td> <td></td> <td>30.402(b)</td> <td></td> <td>20.408(a)</td> <td><input checked="" type="checkbox"/></td> <td>90.73(a)(2)(iv)</td> <td></td> <td>73.71(a)</td> <td></td> <td rowspan="6">OTHER (Specify in Abstract below and in Text, NRC Form 305A)</td> </tr> <tr> <td></td> <td>30.408(a)(1)(i)</td> <td></td> <td>90.30(a)(1)</td> <td></td> <td>90.73(a)(2)(iv)</td> <td></td> <td></td> </tr> <tr> <td></td> <td>30.408(a)(1)(ii)</td> <td></td> <td>90.30(a)(2)</td> <td></td> <td>90.73(a)(2)(v)</td> <td></td> <td></td> </tr> <tr> <td></td> <td>30.408(a)(1)(iii)</td> <td></td> <td>90.73(a)(2)(i)</td> <td></td> <td>90.73(a)(2)(vi)(A)</td> <td></td> <td></td> </tr> <tr> <td></td> <td>30.408(a)(1)(iv)</td> <td></td> <td>90.73(a)(2)(ii)</td> <td></td> <td>90.73(a)(2)(vi)(B)</td> <td></td> <td></td> </tr> <tr> <td></td> <td>30.408(a)(1)(v)</td> <td></td> <td>90.73(a)(2)(iii)</td> <td></td> <td>90.73(a)(2)(vii)</td> <td></td> <td></td> </tr> </table>												OPERATING MODE (9)	2	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5: (Check one or more of the following) (11)								73.71(b)		POWER LEVEL (10) 0 0 1		30.402(b)		20.408(a)	<input checked="" type="checkbox"/>	90.73(a)(2)(iv)		73.71(a)		OTHER (Specify in Abstract below and in Text, NRC Form 305A)		30.408(a)(1)(i)		90.30(a)(1)		90.73(a)(2)(iv)				30.408(a)(1)(ii)		90.30(a)(2)		90.73(a)(2)(v)				30.408(a)(1)(iii)		90.73(a)(2)(i)		90.73(a)(2)(vi)(A)				30.408(a)(1)(iv)		90.73(a)(2)(ii)		90.73(a)(2)(vi)(B)				30.408(a)(1)(v)		90.73(a)(2)(iii)		90.73(a)(2)(vii)		
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LICENSEE CONTACT FOR THIS LER (12)

NAME D. Winterhoff, extension 575	TELEPHONE NUMBER 815 315 171-6176 11
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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	JM	ZIZIZ	ZIZIZ	N					

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE)  NO

EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR

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

On 9/29/84 at 1000 hours following LIS-RI-101, a Division I High Steam Flow Isolation was received when an attempt to reopen the 1E51-F008, RCIC Outboard Isolation was made.

It is believed that a differential pressure was created by cooling differences upstream and downstream of the 1E51-F008. When the 1E51-F008 valve was opened per LOP-RI-04, the isolation occurred.

At the time of the event, Unit 1 was in Mode 2 going to Cold Shutdown. Consequences of this event were minimal since HPCS, ADS, LPCS and RHR Shutdown Cooling were operable. Also, this event was spurious and isolated. The plant was in a safe condition at all times. The system was returned to normal and no leakage was verified. No further isolations occurred.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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					0 2	OF	0 3

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

I. EVENT DESCRIPTION

On September 29, 1984, at 1000 hours following the completion of Instrument Surveillance LIS-RI-101, Reactor Core Isolation Cooling (RCIC, BN) High Steam Flow Isolation Functional, a Division I High Steam Flow Isolation (JM) was received when an attempt to re-open the 1E51-F008, RCIC Outboard Isolation, was made.

II. CAUSE

It is believed that following the Instrument Maintenance Department surveillance isolation a slight cooling of the RCIC piping downstream of the 1E51-F008 occurred creating a pressure differential across valve 1E51-F008.

When the unit Operator opened the 1E51-F008 to realign the system per LOP-RI-04, Turbine Trip Recovery and Reset for RCIC, steam trapped upstream (between the 1E51-F063 valve and 1E51-F008 valve) expanded suddenly and a RCIC Outboard Isolation (Division I) was received. Following the isolation, the SCRE observed that the RCIC pressure indicator was reading approximately 300 psig.

Differential pressure switches 1E31-N013A (Division I, Outboard) and 1E31-N013B (Division II, Inboard) sense RCIC High Steam Flow isolations. Both switches were last calibrated on July 28, 1984. During calibration both switches were "found" within LCO limits in the conservative direction. These switches are located on RCIC pipe 1RI01C-4" at elbow connections approximately 8 feet apart. Differential pressure switch 1E31-N013A (Division I, Outboard Isolation) is situated in the first elbow downstream of valve 1E51-F008. It can be speculated that the sudden inflow of steam was "damped" by the first elbow and sufficient flow or pressure was not present to energize switch 1E51-N013B.

III. PROBABLE CONSEQUENCES OF THE OCCURRENCE

At the time of the occurrence LaSalle Unit 1 was in Operational Condition 2, Start-Up Mode, in the process of a unit shutdown at 1% power.

Consequences of this event were minimal since HPCS, ADS, LPCS and RHR shutdown cooling were operable. Also, this was a spurious and isolated event.

The plant was maintained in a safe condition at all times.

IV. CORRECTIVE ACTION

Following this event Operations reset the Outboard Isolation and returned the system to normal. The RCIC piping was traced to verify no leakage. No further isolations occurred.

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		8   4	-   0   6   0	-   0   0	0   3	OF	0   3

TEXT (If more space is required, use additional NRC Form 386A's) (17)

V. PREVIOUS OCCURRENCES

None have occurred to date.

VI. NAME AND TELEPHONE NUMBER OF PREPARER

Dale Winterhoff, 815/357-6761, extension 575.



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

October 24, 1984

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

Dear Sir:

Reportable Occurrence Report #84-060-00, 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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