

**LICENSEE EVENT REPORT (LER)**

FACILITY NAME (1) LaSalle County Station Unit 1										DOCKET NUMBER (2) 0 5 0 0 0 3 7 3										PAGE (3) 1 OF 0 3																													
TITLE (4) Unit 1 SRV's Lifting																																																	
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 NA										DOCKET NUMBER(S) 0 5 0 0 0												
0 8			2 9			8 4			8 4			0 5			1			0 0			0 9			2 1			8 4			NA										0 5 0 0 0									
OPERATING MODE (9) 1										THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5: (Check one or more of the following) (11)																																							
POWER LEVEL (10) 0 9 5										20.402(b) 20.405(a)(1)(i) 20.405(a)(1)(ii) 20.405(a)(1)(iii) 20.405(a)(1)(iv) 20.405(a)(1)(v)										20.408(a) 20.39(a)(1) 20.39(a)(2) 20.73(a)(2)(i) 20.73(a)(2)(ii) 20.73(a)(2)(iii) 20.73(a)(2)(iv)										20.73(a)(2)(v) 20.73(a)(2)(vi) 20.73(a)(2)(vii)(A) 20.73(a)(2)(vii)(B) 20.73(a)(2)(ix)										73.71(b) 73.71(c) OTHER (Specify in Abstract below and in Text, NRC Form 306A)									
LICENSEE CONTACT FOR THIS LER (12)																																																	
NAME John Ullrich, extension 481																				TELEPHONE NUMBER 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					S B					S O L					C 7 1 0					Y																													
SUPPLEMENTAL REPORT EXPECTED (14)																																																	
YES (If yes, complete EXPECTED SUBMISSION DATE)																				X NO										EXPECTED SUBMISSION DATE (15)										MONTH DAY YEAR									
ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewriter lines) (16)																																																	
<p>On 8/29/84 at approximately 1045, a Unit 1 Safety Relief Valve (SRV), 1B21-F013S, lifted and then reseated 3 times, for no apparent reason.</p> <p>The cause of this event is that the "C" solenoid of SRV S had become grounded in such a fashion that if a positive ground developed on the D.C. busses, the solenoid would energize and the valve would open. The SRV would then close when the ground cleared.</p> <p>At the time of this event, Unit 1 was in Operating Condition 1 at approximately 95% power. Reactor steam flow decreased, but returned to normal when the valve closed. Safe operation of the plant was maintained at all times.</p> <p>The grounded solenoid will be replaced, by Work Request L40505, the next time Unit 1 is in Cold Shutdown. The remainder of the SRV solenoids will be meggered, by LST 84-180, the next time Unit 1 is in Cold Shutdown.</p> <p>This event is being reported per NRC Region III requirements.</p>																																																	

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## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
LaSalle County Station Unit 1	05000373	84	051	00	02	OF	03

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

I. EVENT DESCRIPTION

On 8/29/84 at approximately 1045, a Unit 1 Safety Relief Valve (SB, SRV), 1B21-F013S, lifted and then reseated 3 times, for no apparent reason.

This event is being reported per NRC Region III requirements.

II. CAUSE

The cause of this event is that the "C" solenoid (SOL) of SRV S had become grounded in such a fashion that if a positive ground developed on the D.C. busses (EJ), the solenoid would energize and the SRV would open. The SRV would then close when the ground cleared. These solenoids are Model IMF-2 manufactured by the Crosby Valve and Gage Company.

III. PROBABLE CONSEQUENCES OF THE OCCURRENCE

At the time of this event, LaSalle Unit 1 was in Operating Condition 1 at approximately 95% power. Reactor steam flow decreased when the SRV opened, but returned to normal when the valve reclosed. Tailpipe temperature returned to prelift value indicating that the SRV was not leaking. Safe operation of the plant was maintained at all times.

IV. CORRECTIVE ACTION

When this event occurred it was thought that a pressure switch had sporadically actuated, so Work Request #L40477 was written to verify that pressure switches 1B21-N039S and SS were calibrated properly. When this Work Request was performed, the pressure switches were found to be within tolerance. Work Request #L40505 and Special Test procedure LST 84-171 were then written to megger the solenoids on SRV S. When the megger was performed, it showed a zero megohm ground on the "C" solenoid. To prevent further unwanted valve actuations, the fuses to isolate the "C" solenoid were pulled. By removing these fuses, valve operation from the Control Room and from the Division 1 high reactor pressure switches is no longer possible. Pulling these fuses has no effect on the ADS function or the position indication for the S SRV. When Unit 1 is in Cold Shutdown the next time, the "C" solenoid on the S SRV will be replaced (Work Request #L40505), and the solenoids on the remainder of the Unit SRV's will be meggered using Special Test procedure LST 84-180. (AIR 1-84-67142)

The Unit 2 SRV solenoids have already been meggered as well as all SRV solenoids in the Storeroom.

## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES 8/31/85

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		8 4	0 5 1	0 0	0 3	OF 0 3

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

V. PREVIOUS OCCURRENCES

None.

VI. NAME AND TELEPHONE NUMBER OF PREPARER

John Ullrich, 815/357-6761, extension 481.



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

September 21, 1984

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

Dear Sir:

Reportable Occurrence Report #84-051-00, Docket #050-373 is being submitted to your office in accordance with 10CFR 50.73.

*G.J. Diederich 9/27/84*  
G.J. Diederich  
Superintendent  
LaSalle County Station

GJD/MLD/kg

Enclosure

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

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