

**LICENSEE EVENT REPORT (LER)**

|  |  |                    |
|--|--|--------------------|
| FACILITY NAME (1)<br>LaSalle County Station Unit 1 | DOCKET NUMBER (2)<br>0 5 0 0 0 3 7 3 1 | PAGE (3)<br>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                |  | DOCKET NUMBER (8) |
| 08             | 29  | 84   | 84             | 051               | 02              | 02              | 07  | 85   | NA                            |  | 0 5 0 0 0         |
|                |     |      |                |                   |                 |                 |     |      | NA                            |  | 0 5 0 0 0         |

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 8: (Check one or more of the following) (11)

|                           |                   |                  |                                     |                     |  |
|---------------------------|-------------------|------------------|-------------------------------------|---------------------|--|
| OPERATING MODE (9)<br>1   | 20.402(b)         | 20.408(a)        | <input checked="" type="checkbox"/> | 80.73(a)(2)(iv)     | 73.71(b)   |
| POWER LEVEL (10)<br>0.915 | 20.408(a)(1)(i)   | 80.38(a)(1)      | <input type="checkbox"/>            | 80.73(a)(2)(v)      | 73.71(a)   |
|                           | 20.408(a)(1)(ii)  | 80.38(a)(2)      | <input type="checkbox"/>            | 80.73(a)(2)(vi)     | OTHER (Specify in Abstract below and in Part, NRC Form 385A) |
|                           | 20.408(a)(1)(iii) | 80.73(a)(2)(i)   | <input type="checkbox"/>            | 80.73(a)(2)(vii)(A) |  |
|                           | 20.408(a)(1)(iv)  | 80.73(a)(2)(ii)  | <input type="checkbox"/>            | 80.73(a)(2)(vii)(B) |  |
|                           | 20.408(a)(1)(v)   | 80.73(a)(2)(iii) | <input type="checkbox"/>            | 80.73(a)(2)(ix)     |  |

LICENSEE CONTACT FOR THIS LER (12)

|                                     |                                  |
|-------------------------------------|----------------------------------|
| NAME<br>John Ullrich, extension 481 | TELEPHONE NUMBER<br>815 357-6761 |
|-------------------------------------|----------------------------------|

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 |
|-------|--------|-----------|--------------|-------------------|-------|--------|-----------|--------------|-------------------|
| B     | S      | B         | SOL          | C17110            | Y     |        |           |              |                   |

SUPPLEMENTAL REPORT EXPECTED (14)

|   |  |                               |       |     |      |
|---|--|-------------------------------|-------|-----|------|
| YES (If yes, complete EXPECTED SUBMISSION DATE) | <input checked="" type="checkbox"/> NO | EXPECTED SUBMISSION DATE (15) | MONTH | DAY | YEAR |
|---|--|-------------------------------|-------|-----|------|

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

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.

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.

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.

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.

8502270268 850207  
PDR ADOCK 05000373  
S PDR

IE 22  
1/

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

|  |  |                |                   |                 |          |    |     |
|--|--|----------------|-------------------|-----------------|----------|----|-----|
| FACILITY NAME (1)<br><br>LaSalle County Station Unit 1 | DOCKET NUMBER (2)<br><br>0 5 0 0 0 3 7 3 | LER NUMBER (3) |                   |                 | PAGE (3) |    |     |
|  |  | YEAR           | SEQUENTIAL NUMBER | REVISION NUMBER |          |    |     |
|  |  | 8 4            | - 0 5 1           | - 0 2           | 0 2      | OF | 0 3 |

TEXT (if more space is required, use additional NRC Form 306A'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.

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 ACTIONS

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. While Unit 1 was in Cold Shutdown during October, the "C" solenoid on the S SRV was replaced (Work Request L40505), and the solenoids on the remainder of the Unit SRV's were meggered using Special Test procedure LST 84-180.

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

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

|  |  |                |                   |                 |          |    |     |
|--|--|----------------|-------------------|-----------------|----------|----|-----|
| FACILITY NAME (1)<br><br>LaSalle County Station Unit 1 | DOCKET NUMBER (2)<br><br>0 5 0 0 0 3 7 3 8 4 | LER NUMBER (8) |                   |                 | PAGE (3) |    |     |
|  |  | YEAR           | SEQUENTIAL NUMBER | REVISION NUMBER |          |    |     |
|  |  |                | 0 5 1             | 0 2             | 0 3      | OF | 0 3 |

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

February 7, 1985

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

Dear Sir:

Reportable Occurrence Report #84-051-02, Docket #050-373 is being submitted to your office to supercede previously submitted Reportable Occurrence Report 84-051-01.

*for R. D. Bishop*  
G. J. Diederich  
Station Superintendent  
LaSalle County Station

GJD/MLD/kg

Enclosure

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

*IE22*  
*1/1*