

LICENSEE EVENT REPORT (LER)

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| FACILITY NAME (1) LaSalle County Station Unit 2 | DOCKET NUMBER (2) 0 5 0 0 0 3 7 4 | PAGE 13 1 OF 0 2 |
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TITLE (4)
Unit 2 Reactor Scram Initiation - Reactor Instrument Line Valved In

| EVENT DATE (5) | | | LER NUMBER (6) | | | REPORT DATE (7) | | | OTHER FACILITIES INVOLVED (8) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| MONTH | DAY | YEAR | YEAR | SEQUENTIAL NUMBER | REVISION NUMBER | MONTH | DAY | YEAR | FACILITY NAMES | | DOCKET NUMBER(S) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07 | 31 | 84 | 84 | 048 | 00 | 08 | 29 | 84 | | | 0 5 0 0 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:15%;">OPERATING MODE (9)</td> <td style="width:15%;">3</td> <td colspan="10">THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 50. (Check one or more of the following) (11)</td> </tr> <tr> <td rowspan="6">POWER LEVEL (10) 0 0 0</td> <td></td> <td>20.402(b)</td> <td></td> <td>20.405(a)</td> <td><input checked="" type="checkbox"/></td> <td>90.73(a)(2)(iv)</td> <td></td> <td>73.71(b)</td> </tr> <tr> <td></td> <td>20.405(a)(1)(i)</td> <td></td> <td>90.38(a)(1)</td> <td></td> <td>90.73(a)(2)(iv)</td> <td></td> <td>73.71(a)</td> </tr> <tr> <td></td> <td>20.405(a)(1)(ii)</td> <td></td> <td>90.38(a)(2)</td> <td></td> <td>90.73(a)(2)(v)</td> <td></td> <td>OTHER (Specify in Abstract below and in Text, NRC Form 388A)</td> </tr> <tr> <td></td> <td>20.405(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>20.405(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>20.405(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) | 3 | THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 50. (Check one or more of the following) (11) | | | | | | | | | | POWER LEVEL (10) 0 0 0 | | 20.402(b) | | 20.405(a) | <input checked="" type="checkbox"/> | 90.73(a)(2)(iv) | | 73.71(b) | | 20.405(a)(1)(i) | | 90.38(a)(1) | | 90.73(a)(2)(iv) | | 73.71(a) | | 20.405(a)(1)(ii) | | 90.38(a)(2) | | 90.73(a)(2)(v) | | OTHER (Specify in Abstract below and in Text, NRC Form 388A) | | 20.405(a)(1)(iii) | | 90.73(a)(2)(i) | | 90.73(a)(2)(vi)(A) | | | | 20.405(a)(1)(iv) | | 90.73(a)(2)(ii) | | 90.73(a)(2)(vi)(B) | | | | 20.405(a)(1)(v) | | 90.73(a)(2)(iii) | | 90.73(a)(2)(vii) | | |
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| POWER LEVEL (10) 0 0 0 | | 20.402(b) | | 20.405(a) | <input checked="" type="checkbox"/> | 90.73(a)(2)(iv) | | 73.71(b) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | 20.405(a)(1)(ii) | | 90.38(a)(2) | | 90.73(a)(2)(v) | | OTHER (Specify in Abstract below and in Text, NRC Form 388A) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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LICENSEE CONTACT FOR THIS LER (12)

| NAME | TELEPHONE NUMBER |
|---------------------------------|---------------------------|
| James J. Hietala, extension 499 | AREA CODE: 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 |
|-------|--------|-----------|--------------|-------------------|-------|--------|-----------|--------------|-------------------|
| A | JIC | Z191919 | Z191919 | 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)

At 1811 on July 31, 1984, while the Unit 2 reactor was shut down, a scram was initiated by a Low Vessel Water Level Signal. Since all rods were already fully inserted, no actual rod motion occurred. Instrument Maintenance had isolated 2B21-RO05, a Reactor Core Plate Differential Pressure Indicator to resolve an error in its indication. The instrument was not pre-pressurized to reactor pressure when it was valved back into service. The unit was shut down at the time, and the Instrument Mechanic felt that the only instrument affected was an indicator. When the instrument was valved back in, a pressure transient in the sensing header line occurred; level switches 2B21-N024C and 2B21-N024D sense level from the same header, and the transient caused them to trip and initiate the scram. The Instrument Mechanics are to be trained on the importance of pre-pressurizing equipment prior to returning the equipment to service, even when the reactor is shut down.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104
EXPIRES: 8/31/85

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

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

I. EVENT DESCRIPTION

At 1811 on July 31, 1984, a reactor scram (JC) was initiated by a Low Vessel Water Level signal (Level Switches 2B21-N024C and 2B21-N024D). The Unit was in Hot Shutdown and all rods were fully inserted at the time of the occurrence. No actual level transient occurred.

II. CAUSE

The low level signal occurred when an Instrument Mechanic valved in Reactor Core Plate Differential Pressure indicator 2B21-R005. Maintenance had isolated the instrument per Work Request L35179, to resolve an error in the indication. The Instrument Mechanic did not properly pre-pressurize the instrument to reactor pressure before he valved it back in. This caused a pressure transient in the sensing header line; level switches 2B21-N024C and 2B21-N024D sense level from the same header, and the transient caused them to trip and initiate the scram.

III. PROBABLE CONSEQUENCES OF THE OCCURRENCE

The plant was shut down, with all rods inserted when the event occurred; no actual level or pressure transient took place. No actual level or pressure transient occurred. Safe plant operation was maintained at all times.

IV. CORRECTIVE ACTIONS

The Instrument Mechanic and his foreman were reminded of the importance of pre-pressurizing equipment prior to returning the equipment to service, even in shutdown conditions. LaSalle Instrument Maintenance Procedures are being made to reference pre-pressurizing all equipment which use this type of vessel reference line, per Action Item Record 1-84-67128. Technical Specification related instruments are already covered by procedures to pre-pressurize them. The Instrument Maintenance Department will be trained on the event, per Action Item Record 1-84-67129.

V. PREVIOUS EVENTS

There have been no similar events of this type at LaSalle when the reactor was shut down. Another Instrument Maintenance instrument valving error causing a scram was reported in LER 374/84-25-00.

VI. NAME AND TELEPHONE NUMBER OF PREPARER

James J. Hietala, 815/357-6761, extension 499.



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

August 29, 1984

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

Dear Sir:

Reportable Occurrence Report #84-048-00, Docket #050-374 is being submitted to your office in accordance with 10CFR 50.73.

G. J. Diederich
Station Superintendent
LaSalle County Station

GJD/MLD/kg

Enclosure

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

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