

LICENSEE EVENT REPORT (LER)

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| FACILITY NAME (1) LaSalle County Station Unit 1 | DOCKET NUMBER (2) 0 5 0 0 0 3 7 3 | PAGE(S) 1 OF 13 |
|--|--------------------------------------|--------------------|

TITLE (4)
Ammonia Chlorine ESF Actuation

| EVENT DATE (6) | | | 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) | | | | | | | | | | |
| 1 | 0 | 1 | 5 | 8 | 4 | 8 | 4 | 4 | 0 | 6 | 6 | 0 | 0 | 0 | 1 | 1 | 3 | 8 | 4 | LaSalle County Unit 2 | 0 5 0 0 0 3 7 4 |
| 1 | 0 | 1 | 5 | 8 | 4 | 8 | 4 | 4 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 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 (8) 4 | 20.402(b) | <input checked="" type="checkbox"/> | 20.408(e) | <input type="checkbox"/> | 80.73(a)(2)(iv) | <input type="checkbox"/> | 72.71(b) |
| POWER LEVEL (16) 0 1 0 1 0 | 20.408(a)(1)(i) | <input type="checkbox"/> | 80.36(a)(1) | <input type="checkbox"/> | 80.73(a)(2)(v) | <input type="checkbox"/> | 72.71(e) |
| | 20.408(a)(1)(ii) | <input type="checkbox"/> | 80.36(a)(2) | <input type="checkbox"/> | 80.73(a)(2)(vi) | <input type="checkbox"/> | OTHER (Specify in Abstract below and in Text, NRC Form 385A) |
| | 20.408(a)(1)(iii) | <input type="checkbox"/> | 80.73(a)(2)(i) | <input type="checkbox"/> | 80.73(a)(2)(vii)(A) | <input type="checkbox"/> | |
| | 20.408(a)(1)(iv) | <input type="checkbox"/> | 80.73(a)(2)(ii) | <input type="checkbox"/> | 80.73(a)(2)(vii)(B) | <input type="checkbox"/> | |
| | 20.408(a)(1)(v) | <input type="checkbox"/> | 80.73(a)(2)(iii) | <input type="checkbox"/> | 80.73(a)(2)(viii) | <input type="checkbox"/> | |

LICENSEE CONTACT FOR THIS LER (12)

| | |
|--|---|
| NAME Vincent Masterson, extension 499 | TELEPHONE NUMBER AREA CODE: 8 1 5 3 5 7 1 - 6 7 6 1 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 | VI | DET | X X X X | 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 October 15, 1984, at 0249 the "A" train Ammonia-Chlorine Alarm for the "A" Control Room HVAC/Auxiliary Equipment Room HVAC (VC/VE; VI/VE) trains was received in the Control Room. Attempts at resetting the alarm by Operating Department personnel failed. Instrument Maintenance Department personnel were notified and dispatched to investigate the cause of failure.

Instrument Maintenance personnel discovered Ammonia-Detector OXY-VC125B to have a jammed chemcassette tape. This is what caused the alarm.

The automatic actions following a high Ammonia-Chlorine Alarm is to place the charcoal filter train in service. This charcoal filter train was already in service due to an operability problem with the filter train bypass damper.

The faulty portion of the chemcassette was removed and the tape advanced on the transport mechanism spools.

The Ammonia Detector OXY-VC125B was returned to service at 0328 on October 15, 1984.

The Ammonia Detector is manufactured by MDA Scientific.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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|--|--|------------------|-------------------|-----------------|----------|--|------------|
| FACILITY NAME (1) LaSalle County Station Unit 1 | DOCKET NUMBER (2) 0 5 0 0 0 3 7 1 3 8 4 - 0 6 6 - 0 0 | EVENT NUMBER (8) | | | PAGE (3) | | |
| | | YEAR | SEQUENTIAL NUMBER | REVISION NUMBER | | | |
| | | | | | | | 0 2 OF 0 3 |

TEXT (if more space is required, use additional NRC Form 264A's) (17)

I. EVENT DESCRIPTION

On October 15, 1984, at 0249 the "A" train Ammonia-Chlorine Alarm for the "A" Control Room HVAC/Auxiliary Equipment Room HVAC (VC/VE, VI/VE) train was received in the Control Room. Attempts at resetting the alarm by Operating Department personnel failed. Instrument Maintenance Department personnel were notified and dispatched to investigate the cause of the failure.

II. CAUSE

The cause for the Ammonia-Chlorine Alarm was the failure of Ammonia Detector, OXY-VC125B, when the chemcassette tape jammed.

The jamming of the tape resulted in that portion of tape becoming dark due to outside air impurities from the sample line being deposited on the tape. This was detected by the photocells as a high concentration of ammonia, as the photocells sense the amount of light penetration through the tape.

III. PROBABLE CONSEQUENCES OF THE OCCURRENCE

At the time of the event Unit 1 was in Operational Condition 4 (Cold Shutdown) with Unit 2 in Operational Condition 1 (Run) at 98% reactor power.

The effect the Ammonia Detector Alarm would have on the "A" VC/VE HVAC train would be the transfer of the "A" train from charcoal filter train bypass to placing the charcoal filter train, OVC01FA, on line.

The charcoal filter train, OVC01FA, (odor eater) was already on line at the time due to inoperability of the charcoal filter train bypass valve, OVC13YA.

The "A" VC/VE HVAC train was in ^aconservative plant line-up prior to the Engineered Safety Feature (ESF) actuation which resulted from the Ammonia Detector OXY-VC125B Alarm. The event had no significant effect on the plant.

IV. CORRECTIVE ACTIONS

The Instrument Maintenance Department was notified upon receiving the Ammonia Detection Alarm in the Control Room.

During troubleshooting conducted by Instrument Maintenance personnel, the chemcassette tape for Detector OXY-VC125B was discovered to be jammed in the transport mechanism spools. The faulty portion of tape was removed and the remaining tape advanced on the spools enabling the Ammonia Detector to be reset.

Work was completed and the Ammonia Detector, OXY-VC125B returned to operational service at 0328 on October 15, 1984.

The Ammonia Detector is manufactured by MDA Scientific.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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| | | YEAR | SEQUENTIAL NUMBER | REVISION NUMBER | | | |
| | | 8 4 | — 0 6 6 | — 0 0 | 0 3 | OF | 0 3 |

TEXT (If more space is required, use additional NRC Form 3054's) (17)

V. PREVIOUS OCCURRENCES

None.

VI. NAME AND TELEPHONE NUMBER OF PREPARER

Vincent Masterson, 815/357-6761, extension 499.



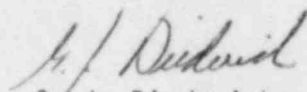
Commonwealth Edison
LaSalle County Nuclear Station
Rural Route #1, Box 220
Marseilles, Illinois 61341
Telephone 815/357-6761

November 13, 1984

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

Dear Sir:

Reportable Occurrence Report #84-066-00, Docket #050-373 is being submitted to your office in accordance with 10CFR 50.73.


G. J. Diederich
Superintendent
LaSalle County Station

GJD/MLD/kg

Enclosure

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

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