

## LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) LaSalle County Station Unit 1										DOCKET NUMBER (2) 0 5 0 0 0 3 7 3 1 OFD 13										PAGE 13								
TITLE (4) Ammonia Chlorine ESF Actuation																												
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)														
1	0	1	5	8	4	8	4	0	6	6	0	0	1	1	1	3	8	4	LaSalle County Unit 2					0 5 0 0 0 3 7 4				
														0 5 0 0 0 1 1														
OPERATING MODE (8)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5: (Check one or more of the following): (11)																										
4																												
POWER LEVEL (16)		0 1 0 1 0																										
		20.402(b) X 20.408(a) 80.73(a)(2)(iv) 73.71(b)																										
		20.408(a)(1)(i) 80.38(a)(1) 80.73(a)(2)(vi) 73.71(a)																										
		20.408(a)(1)(ii) 80.38(a)(2) 80.73(a)(2)(vii) OTHER (Specify in Abstract below and in Text, NRC Form 385A)																										
		20.408(a)(1)(iii) 80.73(a)(2)(i) 80.73(a)(2)(viii)(A)																										
		20.408(a)(1)(iv) 80.73(a)(2)(ii) 80.73(a)(2)(viii)(B)																										
		20.408(a)(1)(v) 80.73(a)(2)(iii) 80.73(a)(2)(ix)																										
LICENSEE CONTACT FOR THIS LER (12)										TELEPHONE NUMBER																		
NAME										AREA CODE																		
Vincent Masterson, extension 499										8 1 5 3 5 7 1 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	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC									
X	V	I	D	E	T	X	X	X	X	N																		
SUPPLEMENTAL REPORT EXPECTED (14)										EXPECTED SUBMISSION DATE (15)																		
YES (If yes, complete EXPECTED SUBMISSION DATE)										X NO																		
ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)																												
<p>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.</p> <p>Instrument Maintenance personnel discovered Ammonia-Detector OXY-VC125B to have a jammed chemcassette tape. This is what caused the alarm.</p> <p>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.</p> <p>The faulty portion of the chemcassette was removed and the tape advanced on the transport mechanism spools.</p> <p>The Ammonia Detector OXY-VC125B was returned to service at 0328 on October 15, 1984.</p> <p>The Ammonia Detector is manufactured by MDA Scientific.</p>																												

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## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES 8/31/85

FACILITY NAME (1)	DOCKET NUMBER (2)	EVENT NUMBER (5)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
LaSalle County Station Unit 1	0500037384	—	066	—00	02	OF	03

TEXT (If more space is required, use additional NRC Form 266A'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<sup>a</sup> conservative 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.

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		8 4	— 0 6 6	— 0 0	0 3	OF	0 3

TEXT (If more space is required, use additional NRC Form 305A's) (17)

V. PREVIOUS OCCURRENCES

None.

VI. NAME AND TELEPHONE NUMBER OF PREPARER

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



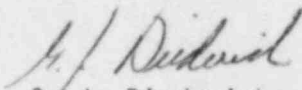
**Commonwealth Edison**  
LaSalle County Nuclear Station  
Rural Route #1, Box 220  
Marseilles, Illinois 61341  
Telephone 815/357-6761

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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*1/1*