

## 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)

Control Room HVAC System Ammonia Detector Inoperable

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)																
0	3	2	7	8	4	8	4	0	2	1	0	0	0	4	2	6	8	4	LaSalle Co. Unit 2	0	5	0	0	0	3	7	4
											0	5	0	0	0												

OPERATING MODE (3)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5: (Check one or more of the following) (11)									
POWER LEVEL (10)	01510	20.402(b)		20.406(a)		50.73(a)(2)(iv)		73.71(b)			
		20.406(a)(1)(i)		50.36(a)(1)		50.73(a)(2)(v)		73.71(a)			
		20.406(a)(1)(ii)		50.36(a)(2)		50.73(a)(2)(vi)		OTHER (Specify in Abstract below and in Text, NRC Form 365A)			
		20.406(a)(1)(iii)		50.73(a)(2)(i)		50.73(a)(2)(vii)(A)					
		20.406(a)(1)(iv)		50.73(a)(2)(ii)		50.73(a)(2)(vii)(B)					
		20.406(a)(1)(v)		50.73(a)(2)(iii)		50.73(a)(2)(ix)					

LICENSEE CONTACT FOR THIS LER (12)

NAME	TELEPHONE NUMBER
W. F. Bejlovec, extension 275	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 NPROS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPROS										
A	V	I	Z	9	9	9	Z	9	9	9	N								

SUPPLEMENTAL REPORT EXPECTED (14)

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

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

On March 27, 1984 during the performance of Control Room HVAC System (VI) Ammonia Detector Functional Test (LIS-VC-03), it was found that ammonia detector OXY-VC125B would not initiate its required functions. Unit 1 was in Run Mode at 50% power, and Unit 2 was in Startup at 5% power at the time. It was determined that the Instrument Mechanics (IM's) who had repaired the detector starting 3/8/84 had incorrectly relanded a wire. This was due to the IM's not using good shop practices when signing off on the procedure that documented the lifting and landing of the leads. The IM's had then declared the detector operable on 3/12/84. At 2000 on 3/27/84, the detector wiring was corrected and the detector was returned to Operating Condition.

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## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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

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		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER						
LaSalle County Station Unit 1	0500037384	0	2	1	0	0	2	OF	0	3

TEXT (If more space is required, use additional NRC Form 365A's) (17)

I. EVENT DESCRIPTION

At 1815 on March 27, 1984, during the performance of Control Room HVAC System (VI) Ammonia Detector Functional Test (LIS-VC-03), it was found that ammonia detector OXY-VC125B would not initiate the control room alarm at 1PM06J, nor would the required damper actuations take place. Upon investigation by the Instrument Maintenance foreman, it was determined that a Work Request would be necessary to further troubleshoot and correct the situation. (Applicable Technical Specifications 3.3.7.8 and 4.3.7.8.) Unit 1 was in Run Mode at 50% power and Unit 2 was in Startup at 5% power at the time of the discovery.

II. CAUSE

Troubleshooting Work Request L34947 was initiated with an 'A' priority to correct the situation. Through troubleshooting, it was determined that a wire landed at TB-B6 within the ammonia detector cabinet, should have actually been landed at TB-A6. Backtracking through machinery history it was found that on 3/8/84, both 'A' and 'B' VC train ammonia detectors were declared inoperable under Work Requests 34055 and 34054 respectively. During the course of troubleshooting detector OXY-VC125B, five lifted lead tags were requested from the Shift Engineer to enable removal of the unit. Lifting and landing of the leads was documented on LAP-1300-1, Attachment D, with two person verification. The terminals designated to be lifted on LAP-1300-1 were arbitrarily assigned by the Technicians in the Shift Engineer's office prior to issue. These designations were not correct. Consequently, the landing of the leads was performed by memory and the two person verification was signed off against the arbitrary designations. The Work Request 34054 was signed completed on 3/12/84 at which time the detector was declared operable.

III. PROBABLE CONSEQUENCES

At the time of discovering the 'A' Train Control Room Ventilation System (VI) ammonia detector inoperable the reactor was at 50% power. The 'A' train of the VI System was on line with its redundant ammonia detector (OXY-VC125A) fully operational. Because of this redundancy when using either the 'A' or 'B' Control Room ventilation trains, the plant was maintained in a safe condition at all times.

Because the ammonia detector was inoperable essentially from March 12, 1984, until being discovered inoperable on March 27, 1984, the provisions of Technical Specifications 3.3.7.8 Action Statement 'a' were exceeded, in that the Control Room Ventilation System was not operated in the recirculation mode during this period.

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TEXT (If more space is required, use additional NRC Form 365A 3/117)

IV. CORRECTIVE ACTIONS

The detector wiring was corrected and the detector was returned to Operating condition at 2000 on 3/27/84. In addition, the following actions were taken:

- A. The Instrument Mechanics involved received disciplinary action.
- B. A tailgate session was conducted to convey this event to all Instrument Maintenance personnel - the seriousness of the situation and the importance of independent verification.
- C. A Drawing Change Request was initiated to provide more explicit wiring detail of the detector cabinet in electrical drawings. (AIR 1-84-67063)

V. PREVIOUS EVENTS

None.

VI. NAME AND TELEPHONE NUMBER OF PREPARER

W. F. Bejlovec, (815)357-6761, extension 275, and V. Masterson, (815)357-6761, extension 499.



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

April 26, 1984

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

Dear Sir:

Reportable Occurrence Report #84-021-00, Docket #050-373 is being submitted to your office in accordance with 10 CFR 50.73.

*C E Sargent*

*h*  
G. J. Diederich  
Superintendent  
LaSalle County Station

GJD/MLD/kg

Enclosure

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

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