

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) LaSalle County Station Unit 1	DOCKET NUMBER (2) 0 5 0 0 0 3 7 3 1	PAGE (3) OF 0 2
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TITLE (4)
"B" VC/VE Ventilation Train Ammonia Detector Trip

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		
12	20	84	84	091	0001	11	11	85	LaSalle Unit 2		
									DOCKET NUMBER(S) 0 5 0 0 0 3 7 4		
									0 5 0 0 0		

OPERATING MODE (9) 1	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)									
POWER LEVEL (10) 0 7 6	20.402(b)	<input checked="" type="checkbox"/>	20.406(a)	<input type="checkbox"/>	80.73(a)(2)(iv)	<input type="checkbox"/>	73.71(b)	<input type="checkbox"/>	OTHER (Specify in Abstract below and in Text, NRC Form 385A)	
	20.406(a)(1)(i)	<input type="checkbox"/>	80.38(a)(1)	<input type="checkbox"/>	80.73(a)(2)(v)	<input type="checkbox"/>	73.71(e)	<input type="checkbox"/>		
	20.406(a)(1)(ii)	<input type="checkbox"/>	80.38(a)(2)	<input type="checkbox"/>	80.73(a)(2)(vi)	<input type="checkbox"/>		<input type="checkbox"/>		
	20.406(a)(1)(iii)	<input type="checkbox"/>	80.73(a)(2)(i)	<input type="checkbox"/>	80.73(a)(2)(vii)(A)	<input type="checkbox"/>		<input type="checkbox"/>		
	20.406(a)(1)(iv)	<input type="checkbox"/>	80.73(a)(2)(ii)	<input type="checkbox"/>	80.73(a)(2)(vii)(B)	<input type="checkbox"/>		<input type="checkbox"/>		
	20.406(a)(1)(v)	<input type="checkbox"/>	80.73(a)(2)(iii)	<input type="checkbox"/>	80.73(a)(2)(viii)	<input type="checkbox"/>		<input type="checkbox"/>		
	20.406(a)(1)(vi)	<input type="checkbox"/>	80.73(a)(2)(iv)	<input type="checkbox"/>	80.73(a)(2)(ix)	<input type="checkbox"/>		<input type="checkbox"/>		

LICENSEE CONTACT FOR THIS LER (12)

NAME Vincent Masterson, extension 499	TELEPHONE NUMBER
	AREA CODE: 8 1 5 3 5 7 - 6 7 6 4

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
X	VI	DEET	MDA	N					
X	VE	DEET	MDA	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 December 20, 1984, at 1930 the "B" Train Ammonia-Chlorine Alarm for the "B" Control Room Ventilation/Auxiliary Electric Equipment Room Ventilation (VC/VE) train was received in the Control Room. Attempts at resetting the alarm by Operating Department personnel failed. Technical Specification 3.3.7.8.a requires the ammonia detectors to be fully operational during all plant operating conditions.

Instrument Maintenance Department personnel dispatched to the scene determined the cause of the trip to be due to a broke chemcassette tape. The chemcassette was replaced with a new tape and the detector subsequently reset.

The ammonia detector OXY-VC165B was returned to service at 2130 on December 20, 1984.

The ammonia detector is manufactured by MDA Scientific Company.

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

I. EVENT DESCRIPTION

On December 20, 1984, at 1930 the "B" Train Ammonia Alarm for the "B" Control Room Ventilation/Auxiliary Electric Equipment Room Ventilation (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 informed of the event to assist in determining the cause of the failure.

II. CAUSE

The cause for the Ammonia Alarm was the failure of ammonia detector OXY-VC165B, due to breakage of the chemcassette tape. This breakage of the chemcassette tape results in de-energizing the master fault relay causing a failure alarm to occur. The tape breakage was due to corrosion build-up on the chemcassette carrier assembly.

III. PROBABLE CONSEQUENCES OF THE OCCURRENCE

Technical Specification 3.3.7.8.a requires the ammonia detectors to be fully operable during all plant operating conditions. During the time that detector OXY-VC165B was inoperable the redundant detector, OXY-VC165A, for the "B" VC/VE ventilation train was fully operational.

At the time of the occurrence the "A" VC/VE ventilation train was in service with both of its respective detectors, OXY-VC125A/B, fully operational.

IV. CORRECTIVE ACTION

Instrument Maintenance Department personnel were dispatched to determine the cause of the "B" VC/VE ventilation train ammonia detector (OXY-VC165B) trip.

After discovery that the root of the problem was a broken chemcassette tape, the tape was promptly changed out with a new chemcassette.

The ammonia detector was subsequently reset and returned to full operational condition at 2130 on December 20, 1984.

The chemcassette carrier mechanism for detector OXY-VC165B was replaced under Work Request (L67173) to minimize and prevent future occurrences due to tape friction. Chemcassette carrier assemblies for "A" VC/VE ammonia detectors OXY-VC125A and OXY-VC125B were also replaced as a preventative measure.

A revision to LIP-GM-940 to include cleaning and replacement of the chemcassette carrier assembly is currently being tracked under AIR 1-84-67186.

The ammonia detector is manufactured by MDA Scientific Company.

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TEXT (If more space is required, use additional NRC Form 366A's) (17)

V. PREVIOUS OCCURRENCES

LER 373/82-060/03L-0
 LER 373/82-157/03L-0
 LER 374/84-078

VI. NAME AND TELEPHONE NUMBER OF PREPARER

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



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

January 11, 1985

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

Dear Sir:

Reportable Occurrence Report #84-091-00, Docket #050-373 is being submitted to your office in accordance with 10CFR 50.73.

G. J. Diederich 1/11/85
G. J. Diederich
Superintendent
LaSalle County Station

GJD/MLD/kg

Enclosure

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

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