

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) LaSalle County Station Unit 1	DOCKET NUMBER (2) 0 5 0 0 0 3 7 1 3	PAGE (3) 1 OF 0 1 3
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TITLE (4) Spurious Trip of Control Room Chlorine Detector OAE-VC091A

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 NAME(S)												
1	1	0	1	8	4	8	4	—	0	6	8	—	0	0	1	1	1	9	8	4	LaSalle Co. Unit 2
										DOCKET NUMBER(S)											
										0 5 0 0 0 3 7 1 4											

OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)																							
4		20.402(b)						20.408(e)						X 80.73(a)(2)(iv)						73.71(b)					
POWER LEVEL (10)		20.405(a)(1)(i)						80.36(a)(1)						80.73(a)(2)(v)						73.71(c)					
0 0 0		20.405(a)(1)(ii)						80.36(a)(2)						80.73(a)(2)(vi)						OTHER (Specify in Abstract below and in Text, NRC Form 305A)					
		20.405(a)(1)(iii)						80.73(a)(2)(ii)						80.73(a)(2)(vii)(A)											
		20.405(a)(1)(iv)						80.73(a)(2)(f)						80.73(a)(2)(vii)(B)											
		20.405(a)(1)(v)						80.73(a)(2)(iii)						80.73(a)(2)(x)											

LICENSEE CONTACT FOR THIS LER (12)									
NAME									
Vincent Masterson, Extension 499									
TELEPHONE NUMBER									
AREA CODE 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 NRC	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC
X	VI	DIET	W O 2 1 5	N					

SUPPLEMENTAL REPORT EXPECTED (14)						EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR
YES (If yes, complete EXPECTED SUBMISSION DATE)						X NO				

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

On November 1, 1984, at 0344 a high chlorine alarm was received in the Control Room. The Control Room Ventilation/Auxiliary Equipment Room Ventilation HVAC Systems (VC/VE; VI/VE) were placed in the Recirculation Mode of Operation as a result of the Engineering Safety Feature (ESF) actuation.

The cause for the chlorine detector trip appears to be spurious in nature. Maintenance had been performed on the detector recently replacing components to restore it to proper operation. It is after maintenance had been completed on the detector that a spurious trip was received. It is felt that "break in" time of the detector with new components most likely resulted in the trip.

The chlorine detector was inspected with no deficiencies noted.

The chlorine detector series 50-125 is manufactured by Wallace and Tiernan a Division of Pennwalt Corporation.

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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)	LER NUMBER (8)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
LaSalle County Station Unit 1	05000373	84	068	00	02	OF	03

TEXT (If more space is required, use additional NRC Form 308A's) (17)

I. EVENT DESCRIPTION

On November 1, 1984, at 0344 a High Chlorine Alarm was received in the Control Room for the Control Room Ventilation/Auxiliary Equipment Room Ventilation HVAC Systems (VC/VE; VI/VE). This appeared to be a spurious trip of the "A" Chlorine Detector OAE-VC091A for the "B" VC/VE HVAC train. The Chlorine Detector trip resulted in Engineered Safety Feature (ESF) automatic actions occurring, placing the VC/VE HVAC systems in the Recirculation Mode with the charcoal filter trains in operation.

The NRC was notified at 0415 of the ESF actuation.

II. CAUSE

The cause for the Chlorine Detector, OAE-VC091A trip cannot be accurately determined, but it appears to be spurious in nature. At the time of the trip, maintenance had recently been conducted on the Chlorine Detector under Work Request L43052 with testing satisfactorily completed on October 31, 1984. Maintenance consisted of replacing the electrolyte, the felt wick device, and glass orifice (capillary tube) to allow establishment of a proper electrolyte drip rate for proper operation of the detector.

The Chlorine Detector alarmed on November 1, 1984, after work had been completed on the detector and most probably resulted from a settling-in period of the new components recently installed.

III. PROBABLE CONSEQUENCES OF THE OCCURRENCE

At the time of the occurrence Unit 1 was in Cold Shutdown (Condition 4) with Unit 2 at 87% power (Condition 1).

The spurious Chlorine Detector Alarm resulted in the "B" VC/VE HVAC trains being placed in the Recirculation Mode with their respective supply charcoal filter trains (odor eaters) being placed in service. This is considered an Engineered Safety Feature (ESF) actuation and this places the plant in a conservative condition. The "B" VC/VE HVAC trains functioned as intended when the ESF actuation signal was received. This plant occurrence had no significant impact on the plant.

IV. CORRECTIVE ACTION

Upon receiving the Chlorine Alarm, Operating personnel were dispatched to investigate the cause of trip. The Chlorine Detector was reset at 0352 on November 1, 1984.

The Instrument Maintenance personnel were notified and subsequently verified proper operation of the Chlorine Detector existed.

No further problems have occurred to date with the "A" Chlorine Detector, OAE-VC091A.

The Chlorine Detector Series 50-125 is manufactured by Wallace and Tiernan, a Division of Pennwalt Corporation.

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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.



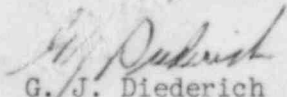
Commonwealth Edison
LaSalle County Nuclear Station
Rural Route #1, Box 220
Marseilles, Illinois 61341
Telephone 815/357-6761

November 19, 1984

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

Dear Sir:

Reportable Occurrence Report #84-068-00, 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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