

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) LaSalle County Station Unit 1										DOCKET NUMBER (2) 0 5 0 0 0 3 7 3										PAGE 13 1 OF 013	
TITLE (4) Chlorine Detector 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	1	2	0	8	5	8	5	1	2	1	9	8	5	LaSalle County Unit 2	0 5 0 0 0 3 7 4						
OPERATING MODE (9) 5			THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §. (Check one or more of the following) (11)																		
POWER LEVEL (10) 0.00			20.402(b)			20.405(a)			<input checked="" type="checkbox"/> 90.73(a)(2)(iv)			73.71(b)									
			20.405(a)(1)(i)			90.30(a)(1)			<input type="checkbox"/> 90.73(a)(2)(v)			73.71(a)									
			20.405(a)(1)(ii)			90.30(a)(2)			<input type="checkbox"/> 90.73(a)(2)(vi)			OTHER (Specify in Abstract below and in Text, NRC Form 305A)									
			20.405(a)(1)(iii)			90.73(a)(2)(i)			<input type="checkbox"/> 90.73(a)(2)(vii)(A)												
			20.405(a)(1)(iv)			90.73(a)(2)(ii)			<input type="checkbox"/> 90.73(a)(2)(vii)(B)												
			20.405(a)(1)(v)			90.73(a)(2)(iii)			<input type="checkbox"/> 90.73(a)(2)(ix)												
LICENSEE CONTACT FOR THIS LER (12)																					
NAME Paul S. Watford, extension 323										TELEPHONE NUMBER AREA CODE 815 357-6761											
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	DET	W025	N																	
SUPPLEMENTAL REPORT EXPECTED (14)												EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR						
<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)												<input checked="" type="checkbox"/> NO									

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

On November 20, 1985, at 1027 hours, the "B" Control Room Ventilation/Auxiliary Electric Equipment Room Ventilation system (VC/VE) chlorine detector (OAE-VC091A) alarmed. The "B" VC/VE Charcoal Filter Trains, OVCO1FB/OVE01FB (odor eaters), would have automatically been placed in service as a result of the chlorine detector alarm. After determination that the alarm condition was spurious, the chlorine detector was reset.

A cause for the spurious chlorine detector alarm cannot be determined.

At the time of the occurrence, both Unit 1 and Unit 2 were in Refuel/Cold Shutdown Mode. The train was already operating in the Recirculation Mode during the Engineered Safety Feature (ESF) actuation. A LaSalle Instrument Surveillance (LIS-VC-01) calibrated and functionally checked the chlorine detectors on October 31, 1985, and December 2, 1985.

The Chlorine detector is manufactured by Wallace and Tiernan, a division of Penwalt Corp.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMP NO 3150-0104

EXPIRES 8/31/85

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
LaSalle County Station Unit 1	05000373	85	067	00	02	OF	03

TEXT (If more text is required, use additional NRC Form 306A's) (17)

I. EVENT DESCRIPTION

On November 20, 1985, at 1027 hours, the "B" Control Room Ventilation/Auxiliary Electric Equipment Room Ventilation System (VC/VE, VI) Chlorine Detector (OAE-VC091A) alarmed. An Operator was dispatched to investigate the cause for the alarm. The "B" VC/VE Charcoal Filter Trains, OVCO1FB/OVEO1FB (odor eaters), would have automatically been placed in service as a result of the chlorine detector alarm had it not already been in this mode. The initiation of the charcoal filter trains is an Engineered Safety Feature (ESF) actuation. After determination that the alarm condition was spurious, the chlorine detector was reset. The "A" Control Room Ventilation/Auxiliary Electric Room Ventilation system was not operable during the event.

II. CAUSE

The cause for the chlorine detector, OAE-VC091A, alarm cannot be determined as the alarm was spurious. A possible cause may have been a change in the drip rate either increasing or decreasing causing a signal transient resulting in an alarm. An interruption of the electrical signal for one brief instant could also result in an alarm.

III. PROBABLE CONSEQUENCES OF THE OCCURRENCE

At the time of the occurrence, Unit 1 and Unit 2 were in Refuel and Cold Shutdown respectively.

The spurious high chlorine alarm would have placed the VC/VE HVAC "B" train in the Recirculation Mode with the charcoal filter OVCO1FB/OVEO1FB in service during normal operating conditions; however, the system was already in the Recirculation Mode during the event. The chlorine detector instrument was restored to normal operation immediately after discovery in accordance with the Action Statement of Technical Specification 3.3.7.8.

IV. CORRECTIVE ACTION

After verification that the chlorine detector (OAE-VC091A) alarm was spurious in nature, the alarm was reset.

LaSalle Instrument Surveillance (LIS-VC-01), "Control Room HVAC System Chlorine Detector Calibration and Functional Test", was performed on October 31, 1985, and December 2, 1985, and satisfactorily completed. No abnormalities or discrepancies were noted with any of the chlorine detectors.

The detector is manufactured by Wallace and Tiernan, a division of Pennwalt Corp., model number 50-125.

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	0500037385	5	067	00	03	OF	03

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

V. PREVIOUS OCCURRENCES

LER 373/84-068
LER 373/84-084
LER 373/84-089
LER 373/85-007
LER 373/85-030
LER 373/85-044
LER 373/85-051
LER 373/85-062
LER 373/85-063
LER 373/85-065

VI. NAME AND TELEPHONE NUMBER OF PREPARER

Paul S. Watford, Technical Staff Engineer, 815/357-6761, extension 323.



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

December 19, 1985

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

Dear Sir:

Reportable Occurrence Report #85-067-00, Docket #050-373 is being submitted to your office in accordance with 10CFR 50.73.

for R.D. Burt
G. J. Diederich
Station Manager
LaSalle County Station

GJD/DRR/kg

Enclosure

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

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