

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 1 3
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TITLE (4)
Control Room HVAC Chlorine Detector Spurious 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		DOCKET NUMBER (8)
0 1	1 6	8 5	8 5	0 0 7	0 0	0 2	1 3	8 5	LaSalle Unit 2		0 5 0 0 0 3 7 4
									0 5 0 0 0		

OPERATING MODE (9) 1

POWER LEVEL (10) 0 1 8 5

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)

<input type="checkbox"/> 20.402(b)	<input type="checkbox"/> 20.406(c)	<input checked="" type="checkbox"/> 50.73(a)(2)(iv)	<input type="checkbox"/> 73.71(b)
<input type="checkbox"/> 20.406(a)(1)(i)	<input type="checkbox"/> 50.38(c)(1)	<input type="checkbox"/> 50.73(a)(2)(v)	<input type="checkbox"/> 73.71(c)
<input type="checkbox"/> 20.406(a)(1)(ii)	<input type="checkbox"/> 50.38(c)(2)	<input type="checkbox"/> 50.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)
<input type="checkbox"/> 20.406(a)(1)(iii)	<input type="checkbox"/> 50.73(a)(2)(i)	<input type="checkbox"/> 50.73(a)(2)(viii)(A)	
<input type="checkbox"/> 20.406(a)(1)(iv)	<input type="checkbox"/> 50.73(a)(2)(ii)	<input type="checkbox"/> 50.73(a)(2)(viii)(B)	
<input type="checkbox"/> 20.406(a)(1)(v)	<input type="checkbox"/> 50.73(a)(2)(iii)	<input type="checkbox"/> 50.73(a)(2)(ix)	

LICENSEE CONTACT FOR THIS LER (12)

NAME	TELEPHONE NUMBER
Vincent Masterson, E.A., extension 499	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 NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS
X	V I	D E T	W 0 2 5	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 January 16, 1985 at 1545, the "A" Control Room Ventilation/Auxiliary Electric Equipment Room Ventilation System Chlorine Detector (OAE-VC090A) alarmed. The "A" VC/VE charcoal filter trains, OVC01FA/OVE01, (odor eaters), were automatically placed in service as a result of the Chlorine Detector Alarm. After determination that the alarm 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 operational condition 1 (Run). The Engineered Safety Feature (ESF) actuation which occurred as a result of the Chlorine Detector Alarm placed the HVAC Systems in a conservative plant line-up.

Electrolyte drip was verified to be correct for the detector with the detector being returned to full operation following alarm reset.

The Chlorine Detector is manufactured by Wallace and Tiernan, a Division of Pennwalt Corp.

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		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
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TEXT (If more space is required, use additional NRC Form 386A's) (17)

I. EVENT DESCRIPTION

On January 16, 1985, at 1545 the "A" Control Room Ventilation/Auxiliary Electric Equipment Room Ventilation System (VC/VE; VI/VE) Chlorine Detector (OAE-VC090A) alarmed. An operator was dispatched to investigate the cause for the alarm. The "A" VC/VE charcoal filter trains, OVC01FA/OVE01FA (odor eaters), were automatically placed in service as a result of the chlorine detector alarm. 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.

II. CAUSE

The cause for the chlorine detector OAE-VC090A alarm cannot be determined. 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. Moisture content of the sampled air may have resulted in a spurious alarm. The environment around the chlorine detector was verified to be well within the normal operating temperature range of the detector.

III. PROBABLE CONSEQUENCES OF THE OCCURRENCE

At the time of the occurrence, both Unit 1 and Unit 2 were in Operational Condition 1 (run) with reactor power at 85% and 98% respectively. The effect the spurious high chlorine alarm had on the plant was to place the "A" VC/VE HVAC trains in the recirculation mode with the charcoal filter trains, OVC01FA/OVE01FA in service. This is an ESF actuation and places the system in a conservative line-up.

IV. CORRECTIVE ACTION

After verification that the chlorine detector (OAE-VC090A) alarm was spurious in nature, the alarm was subsequently reset. The "A" VC/VE HVAC train was returned to its original plant line-up prior to the detector trip.

The detector electrolyte drip rate was verified to be correct with the chlorine detector being returned to full operational service following resetting of the alarm.

The chlorine detector is manufactured by Wallace and Tiernan, a division of Penwalt Corporation.

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

V. PREVIOUS OCCURRENCES

LER 373/84-084
LER 373/84-068

VI. NAME AND TELEPHONE NUMBER OF PREPARER

Vincent Masterson, E.A., extension 499.



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

February 13, 1985

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

Dear Sir:

Reportable Occurrence Report #85-007-00, Docket #050-373 is being submitted to your office in accordance with 10 CFR 50.73.

R.D. Bialyn
for G. J. Diederich
Superintendent
LaSalle County Station

GJD/MLD/psk

Enclosure

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

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