U.S. NUCLEAR REQULATORY LONGISSION APPROVED OMB NO 3180-0104 EXPIRES 8/31/86 LICENSEE EVENT REPORT (LER) FACILITY NAME (1) DOCKET NUMBER (2) LaSalle County Station Unit 1 0 15 10 10 10 13 1713 1 OF Control Room HVAC Chlorine Detector Spurious Trip EVENT DATE (6) LER NUMBER (4) REPORT DATE (7) OTHER SACILITIES INVOLVED (8) SEQUENTIAL MONTH DAY YEAR DAY YEAR DOCKET NUMBER(S) YEAR MONTH LaSalle Unit 2 0 | 5 | 0 | 0 | 0 | 3 | 7 | 4 8,5 8 0, 1 1 16 15 -0 1017 0,00012 113 18 0 | 5 | 0 | 0 | 0 | THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR & (Check one or more of the following) (11) OPERATING MODE (9) 20 406(a) 60.73(a)(2)(iv) 20.405(a)(1)(i) 80 36(e)(1) 50 73(a)(2)(v) 73.71(e) 1815 OTHER (Specify in Abstract below end in Text, NRC Form 366A) 20.408(a)(1)(ii) 50.36(c)(2) 50.73(a)(2)(vii) 20.406(a)(1)(iii) 50 73(a)(2)(viii)(A) 80.73(a)(2)(i) 20.406(a)(1)(iv) 80,73(a)(2)(ii) 80.73(a)(2)(vili)(8) 20.406(e)(1)(v) 50.73(e)(2)(iii) 80 73(a)(2)(x) LICENSEE CONTACT FOR THIS LER (12) NAME TELEPHONE NUMBER AREA CODE Vincent Masterson, E.A., extension 499 8, 1,5 COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13) REPORTABLE TO NPROS MANUFAC-MANUFAC REPORTABLE TO NPRDS SYSTEM COMPONENT CAUSE CAUSE SYSTEM COMPONENT X V .1 D.E W, 0, 2, 5 SUPPLEMENTAL REPORT EXPECTED (14) MONTH YEAR DAY EXPECTED DATE (15) YES III ves complete EXPECTED SUBMISSION DATE! 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 Ventiliation System Chlorine Detector (OAE-VCO9OA) alarmed. The "A" VC/VE charcoal filter trains, OVCO1FA/OVEO1. ((odor eaters), were automatically placed in

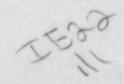
service as a result of the Chlorine Detector Alarm. After determination that the alarm was spurious, the Chlorine Detector was reset.

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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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSIO

APPROVED OMB NO 3150-0104 EXPIRES 8/31/86

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)				PAGE (3)			
LaSalle County Station Unit 1		YEAR		SEQUENTI	UENTIAL REVISION				
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TEXT (If more space is required, use additional NRC Form 386A's) (17)

1. 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-VCO9OA) alarmed. An operator was dispatched to investigate the cause for the alarm. The "A" VC/VE charcoal filter trains, OVCO1FA/OVEO1FA (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.

11. CAUSE

The cause for the chlorine detector OAE-VCC90A 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, OVCO1FA/OVEO1FA 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-VCO90A) 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 Pennwait Corporation.

NRC Form 36 (9-63)	LICENSEE EVENT R	NUCLEAR REGULATORY COMMISSION APPROVED OMB NO. 3150-0104 EXPIRES 8/31/85						
LaSalle County Station Unit 1		DOCKET NUMBER (2)		LER NUMBER (6				
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٧.	PREVIOUS OCCURRENCES							
	LER 373/84-084 LER 373/84-068							
VI.	NAME AND TELEPHONE NUMBER (OF PREPARER						
V1.								
	Vincent Masterson, E.A., ex	xtension 499.						
100								
Barry.								

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. Bushy 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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