

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) LaSalle County Station, Unit 1 DOCKET NUMBER (2) 0 5 0 0 0 3 7 3 1 OF 0 3

TITLE (4) Broken Chemcassette in Ammonia Detector Unit Causes ESF Actuation

EVENT DATE (8)			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)
04	12	86	86	014	00	04	28	86	LaSalle Station Unit 2		0 5 0 0 0 3 7 4

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

OPERATING MODE (9) 5	20.402(b)	20.408(a)	X	80.73(a)(2)(iv)	72.71(b)
POWER LEVEL (10) 0.00	20.408(a)(1)(i)	80.38(a)(1)		80.73(a)(2)(v)	72.71(a)
	20.408(a)(1)(ii)	80.38(a)(2)		80.73(a)(2)(vi)	OTHER (Specify in Abstract below and in Text, NRC Form 365A)
	20.408(a)(1)(iii)	80.73(a)(2)(i)		80.73(a)(2)(vii)(A)	
	20.408(a)(1)(iv)	80.73(a)(2)(ii)		80.73(a)(2)(vii)(B)	
	20.408(a)(1)(v)	80.73(a)(2)(iii)		80.73(a)(2)(viii)	

LICENSEE CONTACT FOR THIS LER (12) NAME Paul S. Watford, Technical Staff Engineer, extension 323 TELEPHONE NUMBER 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
B	V	I	D	E	T				N

SUPPLEMENTAL REPORT EXPECTED (14) YES (If yes, complete EXPECTED SUBMISSION DATE) X NO

EXPECTED SUBMISSION DATE (15) MONTH DAY YEAR

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

At 1524 hours on April 12, 1986, the "A" Control Room HVAC system ammonia detector, OXY-VC125YA, tripped spuriously causing an Engineered Safety Feature damper actuation. The chemcassette unit in the tape carriage mechanism was found to be broken. The tape was adjusted and wound back into its tape cassette unit. The ammonia detector was reset and returned to normal operation at 1604 hours. At the time of the event, Unit 1 was defueled and Unit 2 was in Run at 95% power. AIR 373-200-86-02000 is presently open to investigate upgrade of the MDA ammonia detectors.

FE22
111

8605070150 860428
PDR ADOCK 05000373
S PDR

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
LaSalle County Station Unit 1	0 5 0 0 0 3 7 3 8 6	-	0 1 4	-	0 0	0 2	OF 0 3

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

I. EVENT DESCRIPTION:

At 1524 hours on April 12, 1986, the "A" Control Room HVAC system (VC, VI) ammonia detector, OXY-VC125YA, tripped spuriously and an Engineered Safety Feature (ESF) damper actuation occurred. An Instrument Mechanic checked the detector for any visible problems and found that the chemcassette was jammed and had broken at the window. The tape was adjusted and wound back into its tape cassette unit. At 1604 hours, the detector was successfully reset and the "A" VC ammonia detector was returned to normal operation. LIP-GM-940, Routine Change of Control Room HVAC Ammonia Detector Cassettes, was performed the day prior to the event. At the time of the event, Unit 1 was defueled and Unit 2 was in Run at 95% power. The "A" VC system was in operation at the time of the event.

II. CAUSE:

The cause of the actuation was a broken chemcassette unit in the tape carriage mechanism of ammonia detector, OXY-VC125YA, for the "A" VC HVAC train. The breakage is believed to be due to problems in the tape mechanism. The detector is manufactured by MDA Scientific Company, Model number 7060-FAN.

III. PROBABLE CONSEQUENCES OF THE EVENT:

The consequences of the event were minimal. The detector actuation resulted in an ESF actuation which placed the "odor eater" (charcoal adsorber) in operation and the minimum outside air damper isolated closed. The charcoal adsorber bypass damper, OVC13YA, was already closed for repairs and air flow was already through the charcoal bed. Inlet and outlet dampers, OVC11YA and OVC12YA were already open. This event had no effect on the non-operating "B" VC train.

IV. CORRECTIVE ACTION:

The Instrument Maintenance Department adjusted the tape in the tape cassette assembly and verified proper tape rotation of the spool pieces. The detector unit was returned to operable status at 1604 hours the same day. AIR 373-200-86-02000 is presently open to investigate upgrade of MDA tape mechanism.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1) LaSalle County Station Unit 1	DOCKET NUMBER (2) 0 5 0 0 0 3 7 3 8 6 - 0 1 4 - 0 0 0 3 OF 0 3	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			

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

V. PREVIOUS OCCURRENCES:

Jammed or broken chemcassette tapes that have caused ESF actuations are documented below.

- LER 373-85-050-00
- LER 373-85-038-00
- LER 373-84-091-01
- LER 373-84-078-00
- LER 373-84-066-00
- LER 373-82-060/03L-0
- LER 373-82-157/03L-0

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

April 28, 1986

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

Dear Sir:

Reportable Occurrence Report #86-014-00, Docket #050-373 is being submitted to your office in accordance with 10CFR 50.73.

for *R. D. Bialke*
G. J. Diederich
Station Manager
LaSalle County Station

GJD/DRR/kg

Enclosure

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

IE22
11