

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
--	--------------------------------------	--------------------

TITLE (4)
ESF Actuation Due to Spurious Hi Rad Monitor on VC Train

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)
04	02	86	86	012	00	04	30	86	LaSalle Unit 2		0 5 0 0 0 3 7 4

OPERATING MODE (9) 5

POWER LEVEL (10) 0 0 0

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

20.402(b)	20.408(a)	X	60.73(a)(2)(iv)	73.71(b)
20.408(a)(1)(i)	60.38(a)(1)		60.73(a)(2)(v)	73.71(e)
20.408(a)(1)(ii)	60.38(a)(2)		60.73(a)(2)(vi)	OTHER (Specify in Abstract below and in Text, NRC Form 365A)
20.408(a)(1)(iii)	60.73(a)(2)(i)		60.73(a)(2)(vii)(A)	
20.408(a)(1)(iv)	60.73(a)(2)(ii)		60.73(a)(2)(vii)(B)	
20.408(a)(1)(v)	60.73(a)(2)(iii)		60.73(a)(2)(viii)	

LICENSEE CONTACT FOR THIS LER (12)

NAME Paul S. Watford, Technical Staff Engineer, extension 323	TELEPHONE NUMBER	
	AREA CODE 8 1 5 3	 5 7 1 - 6 7 6 1

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
E	V	I		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 April 2, 1986, at 2034 hours, an Engineered Safety Feature (ESF) actuation of "A" Control Room HVAC system (VC) Emergency Makeup Train from a spurious trip of Hi Radiation Monitor, 1D18-K751A, occurred. This resulted in ESF damper actuations which isolate the "A" VC train from outside air and direct the recirculating air flow through charcoal filters. The source calibration for the radiation module was not performed subsequent to the electronic calibration of the instrument. At the time of the event, Unit 1 was defueled and Unit 2 was in Run at 98% power. The appropriate procedures will be revised to maintain the radiation module out of service until the source calibration is complete. The source calibration for the radiation module was performed on April 10, 1986, and the module was returned to service at 0925 hours the following day.

8605070168 860430
PDR ADOCK 05000373
S PDR

IE22
1/1

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	LER NUMBER (6)			PAGE (3)		
		YEAR 8 6	SEQUENTIAL NUMBER - 0 1 2	REVISION NUMBER - 0 0			
					0 2	OF	0 3

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

I. EVENT DESCRIPTION:

On April 2, 1986, at 2034 hours, an Engineered Safety Feature (ESF) actuation of "A" Control Room HVAC System (VC, VI) Emergency Make-up (EMU) train from a spurious trip of Hi Radiation Monitor 1D18-K751A occurred. This resulted in ESF damper actuations which isolate the "A" VC train from outside air and direct the recirculating air flow through charcoal filters. The radiation detector was reset at 2037 hours the same day. At 2100 hours, the radiation detector was declared inoperable and bypassed to prevent recurring spurious ESF actuations. This was entered in the Degraded Equipment Log. At the time of the event, Unit 1 was defueled and Unit 2 was in Run at 98% power.

II. CAUSE:

The source calibration for the radiation monitoring module, 1D18-K751A, was not performed by the Radiation Chemistry Department subsequent to the Instrument Maintenance Department's electronic calibration of the instrument the previous day. Without the source calibration the radiation monitor was more sensitive than normal and was therefore more likely to spuriously trip.

The radiation monitoring module is manufactured by General Atomics Company (G.A. Technologies).

III. PROBABLE CONSEQUENCES OF THE OCCURRENCE:

At the time of the occurrence, "A" VC train was in service. Only one monitoring module detecting radiation is required to initiate the emergency makeup filter train, OVC01SA. Technical Specification 3.3.7.1 requires two operational channels. Three of the four radiation monitoring modules for the "A" VC HVAC train were fully operational. Redundancy of radiation monitoring detection was maintained. The VC train was placed in a conservative lineup.

IV. CORRECTIVE ACTION:

Although the radiation monitors were calibrated on the previous day, Work Request L57289 was written to investigate the cause for the spurious trip. The instrument was verified to be in calibration and responding as designed. A source calibration was performed later on April 10, 1986. Radiation detector 1D18-K751A was declared fully operable and returned to service at 0925 hours on April 11, 1986. Appropriate procedures will be revised to maintain the radiation modules out of service until the source calibration is completed. This will be tracked by AIR 373-200-86-03400.

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	LER NUMBER (8)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
			0 1 2	0 0	0 3	OF	0 3

TEXT (If more space is required, use additional NRC Form 305A's) (17)

V. PREVIOUS OCCURRENCES:

None.

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 30, 1986

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

Dear Sir:

Reportable Occurrence Report #86-012-00, Docket #050-373 is being submitted to your office in accordance with 10CFR 50.73.

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

GJD/DRR/kg

Enclosure

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

IE22
1/1