



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

March 15, 1990

Director of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Mail Station P1-137
Washington, D.C. 20555

Dear Sir:

Licensee Event Report #90-004-00, Docket #050-373 is being submitted to your office in accordance with 10CFR50.73(a)(2)(iv).


for G. J. Diederich
Station Manager
LaSalle County Station

GJD/LRS/kg

Enclosure

xc: Nuclear Licensing Administrator
NRC Resident Inspector
NRC Region III Administrator
INPO - Records Center

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LICENSEE EVENT REPORT (LER)

Form Rev 2.0

Facility Name (1)

LaSalle County Station Unit 1

Docket Number (2)

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Page (3)

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Title (4) Automatic Start of Control Room Emergency Make-up Ventilation Train

Due to Blown Buses on the Control Room Radiation Monitor

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)						
0	2	1	3	9	0	9	0	0	0	4	0	0	0	3	7	4
											LaSalle Unit 2	0 5 0 0 0 3 7 4				
												0 5 0 0 0 1 1				

OPERATING
MODE (9)THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10CFR
(Check one or more of the following) (11)

POWER LEVEL (10)	1	0	0	20.402(b)	20.405(c)	X	50.73(a)(2)(iv)	73.71(b)
				20.405(a)(1)(i)	50.36(c)(1)		50.73(a)(2)(v)	73.71(c)
				20.405(a)(1)(ii)	50.36(c)(2)		50.73(a)(2)(vii)	Other (Specify
				20.405(a)(1)(iii)	50.73(a)(2)(i)		50.73(a)(2)(viii)(A)	in Abstract
				20.405(a)(1)(iv)	50.73(a)(2)(ii)		50.73(a)(2)(viii)(B)	below and in
				20.405(a)(1)(v)	50.73(a)(2)(iii)		50.73(a)(2)(x)	Text)

LICENSEE CONTACT FOR THIS LER (12)

Name	TELEPHONE NUMBER
Leon R. Sanders, Technical Staff Engineer, extension 2701	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 NRPDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRPDS
X	I	L	F U G O B 2	N					

SUPPLEMENTAL REPORT EXPECTED (14)

Expected Submission Date (15)	Month	Day	Year
Yes (If yes, complete EXPECTED SUBMISSION DATE)	X	NO	

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

At 1645 hours on February 13, 1990, with Units 1 and 2 in Operational Condition 1 (Run) at 100% and 96% power respectively, the "B" Control Room HVAC (VC) Intake Radiation Monitor 2D1B-K751B lost power causing an auto-start of the "B" VC Emergency Make-up (EMU) train. Per design, the system realigned to the pressurization mode of operation. Investigation of the radiation monitor revealed that the two (2) 1 ampere fuses for the "2B" VC Radiation Monitor Trip Unit 24 volt power supply were blown. The reason for the two blown fuses is unknown. The safety consequences of this event were minimal since the "B" VC system responded to the radiation monitor trip signal per design. Corrective actions included replacing the two 1 ampere fuses for the "2B" VC Radiation monitor Trip Unit 24 volt power supply and channel checks verified that the readings were approximately the same before the loss of power and after the power was restored to the unit. Since being returned to service, the radiation monitor has experienced no further problems. Modification 1-0-88-003 will install logic revisions for the VC radiation monitors to require more than one detector to cause an actuation of the system.

This event is reportable pursuant to the requirements of 10CFR50.73(a)(2)(iv) due to the actuation of an Engineered Safety Feature (ESF) system.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

Form Rev 2.0

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LaSalle County Station Unit 1	0 5 0 0 0 3 7 3	9 0	- 0 0 4	- 0 0	0 2	OF	0 3

TEXT Energy Industry Identification System (EIIIS) codes are identified in the text as [XX]

PLANT AND SYSTEM IDENTIFICATION

General Electric - Boiling Water Reactor

Energy Industry Identification System (EIIIS) codes are identified in the text as [XX].

A. CONDITION PRIOR TO EVENT

Unit(s): 1/2 Event Date: 2/13/90 Event Time: 1645 Hours
 Reactor Mode(s): 1/1 Mode(s) Name: Run/Run Power Level(s): 100%/96%

B. DESCRIPTION OF EVENT

On February 13, 1990 at 1645 hours with Units 1 and 2 in Operational Condition 1 (Run) at 100% and 96% respectively, the "B" Control Room HVAC (VC) [V1] Intake Radiation Monitor 2D1B-K751B (1/2) [1L] lost power causing an auto-start of the "B" VC Emergency Make-up (EMU) train. Per design, the "B" VC train realigned to the pressurization mode of operation. At the time of this event, the "A" VC system was operating in Recirculation Mode with the minimum outside air dampers open and flow through the charcoal adsorber. The "B" VC EMU train was placed in Pull-to-Lock (i.e., shutdown and prevented from automatically starting) and a 7-day time clock was started in accordance with Technical Specification 3.7.2.

Upon investigation it was determined that the two (2) 1 ampere fuses for the "2B" VC Radiation Monitor Trip Unit 24 volt power supply were blown. The fuses were replaced per LaSalle Administrative Procedure LAP-400-11 which restored power to the "2B" VC Radiation Monitor Trip Unit. A channel check of the VC Radiation Monitors had been performed per LaSalle Operational Surveillance LOS-AA-S2 approximately 5 minutes before the loss of power to the "2B" trip unit. When power was restored to the unit it was verified that the reading was approximately the same as before the loss of power.

On February 13, 1990 at 1730 hours the "B" VC EMU train was taken out of Pull-to-Lock and the "B" VC EMC train and the "2B" VC Radiation Monitor 2D1B-K751B were declared operable.

This event is reportable pursuant to the requirements of 10CFR50.73(a)(2)(iv) due to the actuation of an Engineered Safety Feature (ESF) System.

C. APPARENT CAUSE OF EVENT

It was found that two (2) 1 ampere fuses for the "2B" VC Radiation Monitor Trip Unit 24 volt power supply were blown. The reason for the two blown fuses is unknown. There were no calibrations or work being done on or near the "2B" VC Radiation Monitor Trip Unit 24 volt power supply at the time of the event.

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LaSalle County Station Unit 1	0 5 0 0 0 3 7 3	9	0	-	0	0	4	-	0	0	0 3	OF	0 3

TEXT Energy Industry Identification System (EIIS) codes are identified in the text as [XX]

D. SAFETY ANALYSIS OF EVENT

The safety consequences of this event were minimal since the "B" VC system responded to the radiation monitor trip signal (ESF) actuation per design.

E. CORRECTIVE ACTIONS

The two (2) 1 ampere fuses for the "2B" VC Radiation Monitor Trip Unit 24 volt power supply were replaced. A channel check of the VC radiation monitors had been performed per LOS-AA-S2 approximately 5 minutes before the loss of power and again after power was restored to the "2B" Trip Unit. The channel checks verified that the readings were approximately the same before the loss of power as after the power was restored to the unit. Since being returned to service, the radiation monitor has experienced no further problems.

Modification 1-0-88-003 will install logic revisions for the VC radiation monitors to require more than one detector to cause an actuation of the system.

F. PREVIOUS EVENTS

There are no previous events of blown fuses causes a VC radiation monitor to actuate.

G. COMPONENT FAILURE DATA

Manufacturer	Nomenclature	Model Number	MFG Part Number
Little Fuse	Fuse, 1 Amp 125V, 3AG, Slo Blow	NA	313001