



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

June 1, 1990

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

Dear Sir:

Licensee Event Report #90-008-00, Docket #050-374 is being
submitted to your office in accordance with 10CFR50.73
(a)(2)(iv).

W. R. Smith
G. J. Diederich
Station Manager
LaSalle County Station

GJD/CTK/lis

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)

Docket Number (2)

Page (3)

LaSalle County Station Unit 2

0 | 5 | 0 | 0 | 0 | 3 | 7 | 4 | 1 | of | 0 | 3

Title (4)

Engineered Safety Feature Actuation of the Control Room "B" Emergency CTK Ventilation Makeup Fan

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	5	0	2	9	0	9	0	0	5	1	8	9	0		0 5 0 0 0 1 1
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OPERATING
MODE (9)THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10CFR
(Check one or more of the following) (11)

POWER LEVEL (10)	0	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

C. T. Kollross, Technical Staff Engineer, Ext. 2772

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	MANUFAC- TURER	REPORTABLE TO NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFAC- TURER	REPORTABLE TO NPRDS
D	V	I		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)

On May 5, 1990 at approximately 1752 hours with Unit 2 defueled, while performing LaSalle Technical Staff Surveillance LTS-800-205, "2A Diesel Generator 24 Hour Run" (DG), Unit 2 Division 2 bus 242Y was de-energized, the 2A DG started, and energized the bus as expected. When the bus re-energized, the Control Room "B" Emergency Makeup Ventilation Fan (OVCO3CB) (VC) auto started due to a false VC High Radiation initiation caused by the loss of power supplied to the Control Room Radiation Monitors. The VC system functioned as designed, however the auto start of the VC Emergency Makeup Fan was not anticipated by the procedure prior to de-energizing the bus 242Y. The fan was reset after the completion of LTS-800-205.

The apparent cause of this event was a procedure deficiency. LTS-800-205 does not address the start of the "B" VC Emergency Makeup Fan when bus 242Y is de-energized and subsequently re-energized.

LTS-800-205 and similar procedures will be revised to address the VC "B" Emergency Makeup Fan actuation prior to energizing bus 242Y. In addition, steps will be added to reset the VC system prior to returning the system to its normal operating mode.

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

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION											Form Rev 2.0	
FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)						Page (3)				
		Year	///	Sequential Number	///	Revision Number						
LaSalle County Station Unit 2	0 5 0 0 0 3 7 4	9 0	-	0 0 8	-	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): 2 Event Date: 5/2/90 Event Time: 1753 Hours

Reactor Mode(s): Defueled Mode(s) Name: Defueled Power Level(s): 0%

B. DESCRIPTION OF EVENT

On May 5, 1990 at approximately 1747 hours with Unit 2 defueled, while performing LaSalle Technical Staff Surveillance LTS-800-205, "2A Diesel Generator 24 Hour Run" (DG) [EK], Technical Staff personnel began preparation to verify that the 2A DG would auto start and load Unit 2 Division 2 bus 242Y (AP)[EB] on a simulated undervoltage signal as directed by the test. At approximately 1752 hours, bus 242Y was de-energized, the 2A DG started and energized the bus as expected. When the bus re-energized, the Control Room "B" Emergency Makeup Ventilation Fan (OVCO3CB) (VC) [VI] started automatically due to a false VC High Radiation initiation caused by the loss of power supplied to the Control Room Radiation Monitors. The VC system functioned as designed, however, the auto start of the VC Emergency Makeup Fan was not anticipated by the procedure prior to de-energizing the bus 242Y. The high radiation signal was reset and the VC Emergency Makeup Fan (OVCO3CB) shutdown after the completion of LTS-800-205. This event is reportable pursuant to the requirements of 10CFR50.73(a)(2)(iv) due to the actuation of an Engineered Safety Feature System.

C. APPARENT CAUSE OF EVENT

The apparent cause of this event was a procedure deficiency. LTS-800-205 does not address the start of the "B" VC Emergency Makeup Fan when bus 242Y is de-energized and then re-energized.

This type of actuation may have occurred previously during this type of testing. This procedure and similar procedures which de-energize the Division 2 busses have been performed previously without ESF actuations being reported. It is possible that the associated system was not available or more likely the personnel involved were aware that this would occur and therefore anticipated the actuation or took action to prevent it. Recently, the station has required that these types of ESF actuations be explicitly identified in the procedure to ensure all personnel are aware that the actuation will occur. If not so identified, the event is classified as reportable.

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								Year	///	Sequential	///	Revision					
										Number		Number					
LaSalle County Station Unit 2	0 5 0 0 0 3 7 4							9	0	-	0	0	8	-	0	0	0 3 OF 0 3
TEXT Energy Industry Identification System (EIIIS) codes are identified in the text as [XX]																	

D. SAFETY ANALYSIS OF EVENT

The VC system functioned as designed. At the time of the event, both VC Emergency Makeup systems were operable. This event did not cause the VC system to become inoperable.

E. CORRECTIVE ACTIONS

LTS-800-205 will be revised to address the VC "B" Emergency Makeup Fan starting prior to performing the steps where bus 242Y is de-energized. In addition, steps will be added to reset the VC system logic prior to returning the system to its normal operating mode. These same changes will also be incorporated into LTS-800-105 "1A DG 24 Hour Run", LTS-500-110 "Unit 1 Division 2 ECCS Response Time Test", and LTS-500-210 "Unit 2 Division 2 ECCS Response Time Test." These surveillances will also start the VC "A" and/or "B" Emergency Makeup Fans by de-energizing and re-energizing their respective bus (142Y and/or 242Y). Action Item Record (AIR) 374-200-90-03301, has been initiated to track completion of these procedure revisions. AIR 374-200-90-03302 has been initiated to review operating procedures and abnormalities associated with de-energizing ESF busses to determine if any changes are required.

F. PREVIOUS EVENTS

None.

G. COMPONENT FAILURE DATA

Manufacturer	Nomenclature	Model Number	MFG Part Number
N/A	N/A	N/A	N/A