



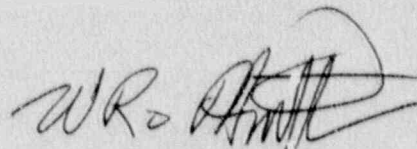
Commonwealth Edison
LaSalle County Nuclear Station
Rural Route #1, Box 220
Marseilles, Illinois 61341
Telephone 815/357-6761

April 26, 1990

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

Dear Sir:

Licensee Event Report #90-005-00, Docket #050-373 is being
submitted to your office in accordance with
10CFR50.73(a)(2)(1).


G. J. Diederich
Station Manager
LaSalle County Station

GJD/JRR/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) 0 5 0 0 0 3 7 3			Page (3) 1 of 0 4		
Title (4) Fire Detection Zone Out of Service Greater than 14 Days Without Submitting Special Report Due to Poor Communication															
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 3	2 7	9 0	9 0	---	0 0 5	---	0 0	0 4	2 6	9 0	LaSalle Unit 2		0 5 0 0 0 3 7 4		
OPERATING MODE (9) 1			THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10CFR (Check one or more of the following) (11)												
POWER LEVEL (10) 0 9 8			20.402(b)		20.405(c)		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)		X Other (Specify						
			20.405(a)(1)(iii)		X 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) Special Rpt						
LICENSEE CONTACT FOR THIS LER (12)															
Name Jon R. Rogozinski, Technical Staff Engineer, extension 2814										TELEPHONE NUMBER					
										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 NRPDS	///	CAUSE	SYSTEM	COMPONENT	MANUFAC-TURER	REPORTABLE TO NRPDS	///				
A				N	///						///				
SUPPLEMENTAL REPORT EXPECTED (14)												Expected Submission Date (15)			
Yes (If yes, complete EXPECTED SUBMISSION DATE)												X NO			
ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)															

On March 27, 1990, the Fire Marshal's review of completed LES-FP-05, "Fire Zone Channel Functional Test," revealed that LES-FP-05 for fire zone 1-6 had not been completed.

The Fire Marshal contacted Electrical Maintenance Department. It was then determined that on January 3, 1990, LES-FP-05 for fire detection zone 1-6, was not properly declared inoperable per Technical Specification 3.3.7.9.

The cause of this event is fire detection zone 1-6 was not declared inoperable when the surveillance apparently failed on January 3, 1990. This was attributed to poor communications between Electrical Maintenance, Sub-Station Construction and Operating Departments. This resulted in the timeclock not being initiated and the Special Report time limits to be exceeded. On March 27, 1990, Electrical Maintenance Department personnel performed LES-FP-05, zone 1-6, with satisfactory results, concluding that the Fire Detection system for fire detection zone 1-6 was available to perform its design function throughout this event.

A meeting was conducted with personnel involved stressing attention to detail and verbal communication to the Shift Engineer. Tailgates by all departments involved will be conducted on this event.

This event is being reported pursuant to the requirements of 10CFR50.73(a)(2)(i) due to a deviation from plant's Technical Specification and as a Special Report per Technical Specification 6.6.C.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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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: 3/27/90 Event Time: 0830 Hours
 Reactor Mode(s): 1/5 Mode(s) Name: Run/Refuel Power Level(s): 98.2%/0%

B. DESCRIPTION OF EVENT

On March 27, 1990, at 0830 hours, with Unit 1 in Mode 1 (Run) at 98.2% power and Unit 2 in Mode 5 (Refuel), the Fire Marshal's review of the completed LaSalle Electrical Surveillance LES-FP-05, "Fire Zone Channel Functional Test," revealed that LES-FP-05 for fire detection zone 1-6 (elevation 786 Unit 1), had not been completed. The Fire Marshal noticed the date of initiation of the impairment was January 3, 1990 and that it had exceeded its 14 day timeclock without the initiation of a special report.

Fire impairment #002 was initiated by Sub-Station Construction during their performance of LaSalle Electrical Surveillance, LES-FP-05, on January 3, 1990. Sub-Station Construction performed this surveillance for the Electrical Maintenance Department. While performing this surveillance, fire detection zone 1-6 amber trouble light would not light as expected. A lamp check was then performed with the trouble light illuminating.

Surveillance for fire detection zone 1-6 was terminated at that point and the Fire Marshal was notified to initiate a fire impairment. The Fire Marshal also (as part of the impairment) established an hourly fire watch within one hour, which he believed was a conservative action. The fire watch continued until the system was declared operable. Sub-Station Construction continued with the remaining fire detection zones in the surveillance. The Fire Marshal then wrote Work Request #L95881 to troubleshoot fire detection zone 1-6.

On March 27, 1990, (the day of the Fire Marshal's review of the surveillance), the Electrical Maintenance Department was notified of the outstanding Work Request and took immediate action to correct the problem. LES-FP-05 for fire detection zone 1-6 was performed and system tested satisfactorily. Both the Fire Marshal and Electrical Maintenance supervision noticed that the system had never been declared inoperable per Technical Specification 3.3.7.9.

This event is being reported pursuant to the requirements of 10CFR50.73(a)(2)(i) due to a deviation from plant's Technical Specifications, and as a Special Report per Technical Specification 6.6.C.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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C. APPARENT CAUSE OF EVENT

The cause of this event is attributed to poor communications between the Electrical Maintenance Department, Sub-Station Construction and Operating Department which resulted in fire detection zone 1-6 not being declared inoperable when the surveillance apparently failed on January 3, 1990.

Contributing factors are as follows:

1. Communications between Sub-Station Construction and the Fire Marshal did not clearly identify that the surveillance was not completed, only that the trouble light would not illuminate. Electrical Maintenance was not directly involved with these communications.
2. The Fire Marshal was not clear on the fact that a supervisory circuit failure also required declaring the fire detection zone inoperable.
3. The Shift Engineer (Licensed Senior Reactor Operator) was notified of the problem by Work Request submittal. Verbal communications to the Shift Engineer would have clearly identified the problem so that fire detection zone 1-6 would have been declared inoperable.

With the system not being declared inoperable, a 14 day timeclock was not started and a written Special Report was not submitted to the NRC within 30 days of exceeding the 14 day timeclock. In addition, had the Work Request been properly prioritized, a higher priority would have been established by the Electrical Maintenance Department to correct the apparent problem.

D. SAFETY ANALYSIS OF EVENT

The safety consequences of this event were minimal due to the fact that the system was determined to be functional on March 27, 1990, and was most likely functional the entire time. In addition, an hourly fire patrol was in place during the entire period. When the Electrical Maintenance Department performed LES-FP-05 for zone 1-6 on March 27, 1990, it tested as designed with no problems found in the circuit. The failure of the circuit during surveillance testing on January 3, 1990, and subsequently testing correctly on March 27, 1990, could have been that the leads on the wrong circuit were lifted and relanded on January 3, 1990. This theory could not be confirmed. No problem could be found with the detection zone and the cause for the failed surveillance could not be identified. The conclusion is that the Fire Detection system for fire detection zone 1-6 was available to perform its designed function throughout this event.

E. CORRECTIVE ACTIONS

Immediate corrective actions taken were performance of the surveillance on fire detection zone 1-6. A meeting was conducted with the personnel involved, stressing attention to detail and the need to communicate failed surveillances to the Shift Engineer verbally. Maintenance, Operating, Sub-Station Construction, and Fire Marshal departments will tailgate personnel on this event and review appropriate portions of LAP-100-11, "LaSalle County Station General Surveillance Program," and LAP-100-29, "Conduct and Review of Station Surveillances." This action will be tracked by Action Item Record (AIR) #373-200-90-02901.

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E. CORRECTIVE ACTIONS (Continued)

License Operator training required reading will include a review of Technical Specification Fire Detection Supervisory Alarm Circuits. This action will be tracked by AIR 373-200-90-02902.

F. PREVIOUS EVENTS

None.

G. COMPONENT FAILURE DATA

None.