

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1): LaSalle County Station Unit 2

DOCKET NUMBER (2): 050000374

PAGE 13
1 OF 03

TITLE (4):

Unit 2 Reactor Scram

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
05	10	85	85	022	01	07	10	85			050000

OPERATING MODE (9)	POWER LEVEL (10)	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)																																							
4	000	<table border="1"><tr><td>20.402(a)</td><td>20.406(c)</td><td>X</td><td>60.73(a)(2)(iv)</td><td>73.71(b)</td></tr><tr><td>20.406(a)(1)(i)</td><td>60.36(a)(1)</td><td></td><td>60.73(a)(2)(v)</td><td>73.71(c)</td></tr><tr><td>20.406(a)(1)(ii)</td><td>60.36(a)(2)</td><td></td><td>60.73(a)(2)(vi)</td><td></td></tr><tr><td>20.406(a)(1)(iii)</td><td>60.73(a)(2)(i)</td><td></td><td>60.73(a)(2)(viii)(A)</td><td>OTHER (Specify in Abstract below and in Text, NRC Form 306A)</td></tr><tr><td>20.406(a)(1)(iv)</td><td>60.73(a)(2)(ii)</td><td></td><td>60.73(a)(2)(viii)(B)</td><td></td></tr><tr><td>20.406(a)(1)(v)</td><td>60.73(a)(2)(iii)</td><td></td><td>60.73(a)(2)(ix)</td><td></td></tr></table>										20.402(a)	20.406(c)	X	60.73(a)(2)(iv)	73.71(b)	20.406(a)(1)(i)	60.36(a)(1)		60.73(a)(2)(v)	73.71(c)	20.406(a)(1)(ii)	60.36(a)(2)		60.73(a)(2)(vi)		20.406(a)(1)(iii)	60.73(a)(2)(i)		60.73(a)(2)(viii)(A)	OTHER (Specify in Abstract below and in Text, NRC Form 306A)	20.406(a)(1)(iv)	60.73(a)(2)(ii)		60.73(a)(2)(viii)(B)		20.406(a)(1)(v)	60.73(a)(2)(iii)		60.73(a)(2)(ix)	
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20.406(a)(1)(v)	60.73(a)(2)(iii)		60.73(a)(2)(ix)																																						

LICENSEE CONTACT FOR THIS LER (12):
NAME: J. Daniel Lyons, extension 251
TELEPHONE NUMBER: 815 357-6761

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)									
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC
X	11G	Z1Z1Z1Z	G1E1	Y					

SUPPLEMENTAL REPORT EXPECTED (14)				EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
YES (If you complete EXPECTED SUBMISSION DATE):				X			

ABSTRACT (Limit to 1800 spaces, i.e., approximately fifteen single space typewritten lines) (16)

ON May 10, 1985, Unit 2 was in Cold Shutdown with a half scram present due to work being performed on the "B" Main Steam Line Process Radiation Monitor. At 0424 hours, IRM C spiked high, initiating a full scram signal. Cause was due to equipment failure. Work is still in progress to determine the exact cause of the spikes on IRM C.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EFT-RES. 8/31/85

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (3)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
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TEXT (If more space is required, use additional NRC Form 365A (1/77))

I. DESCRIPTION OF EVENT

On May 10, 1985, Unit 2 was in Cold Shutdown with a half scram present due to work being performed on the "B" Main Steam Line Process Radiation Monitor (IL) (Work Request L48665). At 0424 hours, IRM C (IG) spiked high, initiating a full scram signal (JC). The IRM was bypassed and the scram was reset. NRC Operations Center was notified at 0529 hours on May 10, 1985.

IRM C had been spuriously spiking high and Work Request L40904 was written on September 12, 1984, to investigate the problem. While troubleshooting IRM C on May 9, 1985, the Instrument Maintenance Department initially swapped the signal input cables that fed the preamplifiers of IRM's C and G. Detector C and the associated cabling were now feeding IRM G preamplifier and vice-versa for detector G and the associated cabling. This configuration yielded spikes on IRM G recorder, indicating a problem with detector C or the cabling and/or connectors between the detector and the preamplifier. Therefore IRM G was subsequently bypassed. The next step was to put everything back to normal and then swap only the detectors. Since it was not known if the detector or the cabling and/or connectors of IRM C, was the problem, IRM G - with detector C - was left in bypass. The spiking and the resultant scram proved the cabling and/or connectors of IRM C to be the problem.

II. CAUSE

IRM C spiking was apparently caused by a loose inboard penetration cable. Initially the problem was traced to either the detector or the cabling and/or connectors. IRM G - with detector C - was intentionally left in bypass as part of the troubleshooting. If the detector was causing the spikes, the scram would not have occurred. The troubleshooting procedure was intended to determine the source of the problem, i.e., it was not known, prior to the scram, whether the problem was being caused by the detector or the cabling.

III. PROBABLE CONSEQUENCES OF THE OCCURRENCE

The Neutron Monitoring system responded to the event as designed. Technical Specification requirements were satisfied at all times. There were three operable IRM's per RPS channel per Technical Specification 3.3.1 and six operable IRM's per Technical Specification Table 3.3.6-1.

IV. CORRECTIVE ACTIONS

Upon receiving the full scram signal, the Operator bypassed IRM C and reset the scram. A Work Request had been written (L40904) on the spurious spikes of IRM C and work was in progress prior to the scram. The Instrument Maintenance Department found the inboard penetration connection on the cable of IRM C to be very loose. The connection was tightened and the heat shrink tubing was refitted under Work Request L40904 which has subsequently been completed.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104
EXPIRES 8/31/85

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		8 5	— 0 2 2	— 0 1	0 3	OF	0 3

TEXT (If more space is required, use additional NRC Form 388A's) (17)

V. PREVIOUS OCCURRENCES

None.

VI. NAME AND TELEPHONE NUMBER OF PREPARER

J. Daniel Lyons, 815/357-6761, extension 251.



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

July 10, 1985

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

Dear Sir:

Reportable Occurrence Report #85-022-01, Docket #050-374 is being submitted to your office to supercede previously submitted Reportable Occurrence Report 85-022-00 in order to update the Cause and Corrective Actions of the report.

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

GJD/DRR/kg

Enclosure

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

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