

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) LaSalle County Station Unit 2												DOCKET NUMBER (2) 0 5 0 0 0 3 7 4				PAGE (3) 1 OF 4					
TITLE (4) Loss of Reactor Water Cleanup Isolation Leak Detection																					
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 6	0 4	8 4	8 4	0 2 7	0 1	0 9	1 3	8 4					0 5 0 0 0								
THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)																					
OPERATING MODE (9)		1		20.402(b)		20.406(c)		80.73(a)(2)(iv)		73.71(b)											
POWER LEVEL (10)		0 4 5		20.406(a)(1)(i)		80.36(a)(1)		80.73(a)(2)(v)		73.71(c)											
				20.406(a)(1)(ii)		80.36(a)(2)		80.73(a)(2)(vi)		OTHER (Specify in Abstract below and in Text, NRC Form 366A)											
				20.406(a)(1)(iii)		X 80.73(a)(2)(i)		80.73(a)(2)(vii)(A)													
				20.406(a)(1)(iv)		80.73(a)(2)(ii)		80.73(a)(2)(vii)(B)													
				20.406(a)(1)(v)		80.73(a)(2)(iii)		80.73(a)(2)(viii)													
LICENSEE CONTACT FOR THIS LER (12)																					
NAME Kermit C. Wittenburg, extension 772												TELEPHONE NUMBER AREA CODE 8 1 5 3 5 7 1 - 6 7 6 1 1									
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																					
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDOS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDOS												
A	J	M T D S	R	2 7 9	N																
SUPPLEMENTAL REPORT EXPECTED (14)																					
YES (If yes, complete EXPECTED SUBMISSION DATE)												X NO		EXPECTED SUBMISSION DATE (15)		MONTH		DAY		YEAR	
ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)																					
<p>At 0735 on 6/4/84, with U-2 at 45% power, a Tech Staff Engr. started taking data per LOD-15-2. Because of recurring isolations when taking RWCU (CE) LD (IJ) readings, a procedure change was approved to allow bypassing the isolation channels until at least 10 min. after the readings had taken place.</p> <p>At 0825 a CST requested permission to perform LIS-RT-202 to calibrate the RWCU LD Trips on Unit 2. Both Channel Bypass Keys had been issued to the TS Engr. for the duration of the test. After verifying compliance with Tech Spec 3.3.2 the SCRE informed the NSO not to remove the Test Switches from the test position unless directed by either the CST or the TS Engineer. While the SCRE realized the time clock requirements to have both channels in bypass, this concern was not adequately communicated to the NSO, CST, or TS Engr. At about 1455 the relieving NSO discovered both switches in bypass and brought this to the attention of the SCRE and SE. All testing was immediately terminated and both trip channels returned to normal.</p> <p>Corrective actions included a coaching interview with the SCRE to emphasize good communications, Tech Staff and IM Dept. tailgates on the occurrence and a letter to all SE's and SCRE's concerning Tech Spec time clocks associated with surveillances and procedures.</p>																					
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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED ONS NO 3150-0104

EXPIRES 8/31/88

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (3)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
LaSalle County Station Unit 2	05000374	84	027	01	02	OF 04	

TEXT (If space appears as required, use additional NRC Form 308A's (17))

I. EVENT DESCRIPTION

At 0735 on June 4, 1984, with Unit 2 at about 45 percent power, a Tech Staff Engineer requested and was granted permission to perform Area Temperature Monitoring on the Unit 2 Leak Detection System in accordance with LOD-15-2. Because of recurring isolations involved with taking these readings, a procedure change was approved to allow bypassing the isolation channels and leaving the channels bypassed for a minimum of ten minutes to verify no isolation alarms occurred from this test. Previous test performance has resulted in an isolation about five minutes after taking the readings.

At 0825 on June 4, 1984, a CST requested and was granted permission to perform LIS-RT-202 to calibrate the Reactor Water Cleanup (RWCU, CE) Ambient Temperature Trip Channels on Unit 2. Both Channel Bypass Switch Keys had been issued to the Tech Staff Engineer for the duration of the test. After verifying compliance with Tech Spec 3.3.2 the Shift Control Room Engineer (SCRE) informed the Unit NSO (Licensed Operator) not to remove the Channel Test Switches from the test position unless directed by either the CST or the Tech Staff Engineer. While the SCRE realized the requirements to have both channels in bypass for no more than one hour or one channel in bypass for no more than two hours, this requirement was not adequately communicated to the NSO, CST, or Tech Staff Engineer.

Both channels were taken to bypass at about 0735. At about 1455, the relieving NSO discovered both Channel Test Switches in bypass and brought this to the attention of the SCRE and Shift Engineer. All testing was immediately terminated and both trip channels returned to normal. In order to complete LIS-RT-202, one key was then issued to the CST and the surveillance satisfactorily completed at approximately 1630.

II. CAUSE

The root cause of this event was the failure of the SCRE to communicate the Technical Specification Requirements/Limitations with regards to removing an Isolation Trip Channel from Operate. This resulted in a loss of administrative control of the evolution by the Shift.

An additional contributing factor included a degraded system performance that required bypassing trip channels while reading the temperature modules. This condition had occurred on at least two previous occasions and had resulted in the procedure change to LOD-15-2 to prevent possible isolations. This degraded performance is under investigation. There also existed a procedural inadequacy of LOD-15-2 that failed to identify Technical Specification requirements with regard to specific time requirements allowed with a trip channel in bypass.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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

III. PROBABLE CONSEQUENCES OF THE OCCURRENCE

The channel test switches in bypass defeated the RWCU ambient and differential temperature trips as well as the RWCU differential flow trip. The associated Control Room alarm windows and horns were still available. Both the NSO and the CST were aware of which instruments were being tested per the instrument surveillance and would have acted on any alarm indication not caused by the surveillance procedure. The CST also informed the NSO whenever he went on break or lunch and when he returned. In addition, the Technical Staff Engineer was periodically monitoring all the temperatures associated with the bypassed switches. All parameters involved remained within the Technical Specification and at no time were the health and safety of the plant personnel or public in jeopardy.

IV. CORRECTIVE ACTIONS

Corrective actions included:

1. Conducting a coaching interview with the SCRE involved to emphasize the importance of complete communication with all personnel involved in any evolution. Special emphasis was given to verifying understanding of the directions given by the SCRE in the performance of any evolution, and maintaining proper control of all evolutions in progress.
2. LOS-15-2 was revised to identify the Tech Spec Requirements/Limitations for bypassing the Trip Channels involved.
3. Tailgates with the Instrument Mechanics, SCRE's and all Operating crews were conducted to review the occurrence.
4. Training of all Technical Staff personnel was conducted which reviewed the occurrence and stressed the importance of being aware of Technical Specifications that impact upon their activities in the plant.
5. A letter from the Assistant Superintendent of Operating was sent to all Shift Engineers and Shift Control Room Engineers which presented guidelines, actions and responsibilities for maintaining Technical Specification timeclocks during the performance of surveillances, routine procedures and special testing of the RPS, PCIS, ECCS, ATWS, RCIC and RPT Systems.

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U.S. NUCLEAR REGULATORY COMMISSION

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

V. CORRECTIVE ACTIONS (Continued)

6. An efficient method of tracking Technical Specification timeclocks associated with surveillances will be researched for incorporation into plant routines. (AIR 01-84-67096)

V. PREVIOUS OCCURRENCES

No previous occurrences of this event have been observed.

VI. NAME AND TELEPHONE NUMBER OF PREPARER

Kermit C. Wittenburg, (815)357-6761, extension 772.



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

September 13, 1984

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

Dear Sir:

Reportable Occurrence Report #84-027-01, Docket #050-374 is being submitted to your office to supercede previously submitted Reportable Occurrence Report 84-027-00.

G. J. Diederich 9/26/84
G. J. Diederich
Superintendent
LaSalle County Station

GJD/MLD/kg

Enclosure

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

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