

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 0 3
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TITLE (4)
Reactor Vessel Water Level High HPCS Injection Valve Closure

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	1 6	8 4	8 4	0 1 1	0 0 0	4 1	0 8	4	N/A	0 5 0 0 0	
									N/A	0 5 0 0 0	

OPERATING MODE (9) 4	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5. (Check one or more of the following) (11)									
	20.402(b)		20.408(a)		80.73(a)(2)(iv)		73.71(b)			
POWER LEVEL (10) 0 0 0 0	20.408(a)(1)(i)		80.38(a)(1)		80.73(a)(2)(v)		73.71(a)			
	20.408(a)(1)(ii)		80.38(a)(2)		80.73(a)(2)(vi)		OTHER (Specify in Abstract below and in Text, NRC Form 305A)			
20.408(a)(1)(iii)		80.73(a)(2)(i)		80.73(a)(2)(vii)(A)						
20.408(a)(1)(iv)		80.73(a)(2)(ii)		80.73(a)(2)(vii)(B)						
20.408(a)(1)(v)		80.73(a)(2)(iii)		80.73(a)(2)(ix)						

LICENSEE CONTACT FOR THIS LER (12)

NAME James J. Wood, extension 394	TELEPHONE NUMBER	
	AREA CODE 8 1 5	3 5 7 1 - 6 7 6 1

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	BIG	OLIS	BIO80	N					
X	BIG	OLIS	BIO80	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)

On March 16, 1984 at 1000 hours during performance of LIS-HP-10, the setpoints of 2B21-N100A and N100B were found out of tolerance in the nonconservative direction. These switches perform the auto close of the High Pressure Core Spray (HPCS, BG) Injection Valve on high water (Level 8). As a result, the HPCS Injection Valve would not have closed until +66.52" vessel level, which exceeds the Technical Specification LCO of less than or equal to 56.0". Out of tolerance in the non-conservative direction has been attributed to instrument drift during normal usage and has occurred on several occasions in the past. Trend Analysis is currently in progress for these switches, Barton Model 288A, and the results will determine whether instrument replacement is the appropriate action. As a result of the event, the consequences were minimal since the unit was in Cold Shutdown, Mode 4, and had never been pressurized with nuclear steam. The switches were immediately recalibrated to within tolerance per the LIS upon discovery.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104
EXPIRES: 8/31/86

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (8)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
LaSalle County Station Unit 2	05000374	84	011	00	02	OF	03

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

I. EVENT DESCRIPTION

On March 16, 1984 at 1000 hours during the performance of LIS-HP-10 calibration, Reactor Vessel Water Level High HPCS (BG) Injection Valve Closure, the setpoints of Level Indicating Switches 2B21-N100A and 2B21-N100B were found out of tolerance in the non-conservative direction, exceeding Technical Specification LCO. Technical Specification Table 3.3.3-2 requires a calibration less than +56.0 inches vessel level to close HPCS Injection Valve on 2-out-of-2 Logic only. In this event the HPCS Injection Valve 2E22-F004 would not have auto closed until +66.52 inches vessel level due to non-conservative "as found" setpoints of +61.12 inches and +66.52 inches, respectively, for switches 2B21-N100A and N100B.

II. CAUSE

The Instrument Maintenance Department has attributed the Reactor Vessel Level High HPCS Injection Valve Closure Initiating switches' 2B21-N100A and 2B21-N100B being out of tolerance in the non-conservative direction due to instrument drift caused by normal usage.

III. PROBABLE CONSEQUENCES OF THE OCCURRENCE

At the time of the event, LaSalle Unit 2 was in Operational Condition 4, Cold Shutdown. The unit had never been pressurized with nuclear steam. The switches were immediately recalibrated back into tolerance per the LIS. Consequences of the event were minimal since the injection valve would have closed, but at +10.5 inches above the required Technical Specification setpoint. HPCS would still have injected if necessary but would have stopped injecting at a somewhat higher Reactor vessel level.

IV. CORRECTIVE ACTION

The Instrument Maintenance Department immediately restored the switch setpoints to within tolerance following discovery during the LIS. The switches were calibrated to trip values of +54.45 inches and +55.45 inches respectively for 2B21-N100A and 2B21-N100B level indicating switches.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

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V. PREVIOUS OCCURRENCES

The level indicating switches in question are Barton Model 288A. These switches have been discovered out of tolerance on separate occasions which resulted in LER's. However, this is the first occurrence of this switch being out of tolerance in Unit 2. Barton Model 288A level switches are currently being trended per LAP-100-12, Trend Analysis Program. If the current trending indicates an inherent problem with the ITT Barton Model 288A level indicating switches, then replacement of the existing switches may be considered a solution to the drift problem.

VI. NAME AND PHONE NUMBER OF PREPARER

James J. Wood, 815/357-6761, extension 394.



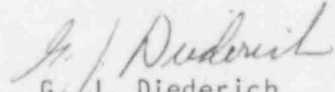
Commonwealth Edison
LaSalle County Nuclear Station
Rural Route #1, Box 220
Marseilles, Illinois 61341
Telephone 815/357-6761

April 10, 1984

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

Dear Sir:

Reportable Occurrence Report #84-011-00, Docket #050-374 is being submitted to your office in accordance with 10 CFR 50.73.


G. J. Diederich
Superintendent
LaSalle County Station

GJD/MLD/kg

Enclosure

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

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