NRC Form 366
(9-83)

U.S. NUCLEAR REGULATORY COMMISSION
APPROVED OMB NO. 3150-0104
EXPIRES: 8/31/85

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)	DOCKET NUMBER (2)	PAGE (3)
LaSalle County Station Unit 2	0 5 0 0 0 3 7 4	1 OF 0 2

TITLE (4)
HPCS Pump Breaker

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 0 0
0 2	1 5	8 4	8 4	0 0 5	0 0	0 3	1 5	8 4		0 5 0 0 0

OPERATING MODE (9)	4	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)			
POWER LEVEL (10)	0 0 0	20.402(b)	20.405(c)	50.73(a)(2)(iv)	73.71(b)
		20.405(a)(1)(i)	50.36(a)(1)	X 50.73(a)(2)(v)	73.71(c)
		20.405(a)(1)(ii)	50.36(c)(2)	50.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)
		20.405(a)(1)(iii)	50.73(a)(2)(i)	50.73(a)(2)(viii)(A)	
		20.405(a)(1)(iv)	50.73(a)(2)(ii)	50.73(a)(2)(viii)(B)	
		20.405(a)(1)(v)	50.73(a)(2)(iii)	50.73(a)(2)(x)	

LICENSEE CONTACT FOR THIS LER (12)

NAME	TELEPHONE NUMBER
	AREA CODE
R. Koenig, ext. 292	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	MANUFACTURER	REPORTABLE TO NPRDS		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	
X	B G	0 0 3 B	G 0 8 0	Y							

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 February 15, 1984, at 2100 hours, during the performance of LOS-HP-Q1 (HPCS System Inservice Test), the HPCS pump breaker failed to reclose a second time. During this time, Unit 2 reactor was in Mode 4 (cold shutdown).

The cause of this occurrence was attributed to a breaker position switch 52 LS, associated with the switchgear closing circuit. When the breaker was cycled for a second time, the breaker position switch, 52LS, failed to stay closed; this prevented the breaker closing coil from energizing and closing the breaker contacts. Normally when the breaker is racked-up, this position switch enables the closing coil circuit.

Analysis of the occurrence indicates that the breaker may not have been racked-in completely by its motor. Upon cycling the breaker a second time, the breaker moved down in the switchgear, opening the position switch. The consequences of this event were minimal. If an injection signal (low vessel level) had been present, HPCS would have initiated as required. If, after resetting the initiation logic, another initiation signal occurred, HPCS would have failed to operate. Without HPCS initiation, LPCS and LPCI would have initiated to maintain vessel level.

The HPCS pump breaker was racked, and cycled 3 times from the control room with no problems observed. A placard will be installed on this switchgear warning the operator to verify complete racking of the breakers.

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(9-83)

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	8 4	— 0 0 5	— 0 0	0 2 OF 0 2

TEXT (If more space is required, use additional NRC Form 366A's) (17)

I. EVENT DESCRIPTION:

On February 15, 1984, at 2100 hours, during the performance of LOS-HP-Q1 (HPCS System Inservice Test), the HPCS (BG) pump breaker failed to reclose a second time. During this time, the Unit 2 reactor was in mode 4 (cold shutdown).

II. CAUSE:

The cause of this occurrence was attributed to a breaker position switch (33), 52LS, associated with the switchgear. When the breaker was cycled for a second time, the breaker position switch (33), 52LS, failed to close. This prevented the breaker closing coil from energizing and closing the breaker contacts. Normally when the breaker is racked-up, this position switch enables the closing coil circuit. Analysis of the occurrence indicates that the breaker may not have been racked-in completely. Upon cycling the breaker a second time, the breaker moved down slightly in the switchgear, opening the position switch (indicating the breaker was racked-down).

III. PROBABLE CONSEQUENCES OF THE OCCURRENCE:

The consequences of this event were minimal. If an initiation signal (low vessel level) had been present, HPCS (BG) would have initiated as required. If, after resetting the initiation logic, another initiation signal occurred, HPCS (BG) would have failed to operate. Without HPCS (BG) initiation, LPCS (BM) and LPCI (BO) would have initiated to maintain vessel level.

IV. CORRECTIVE ACTION:

Work Request L33174 was written to investigate & correct the problem. The HPCS (BG) Pump breaker was reracked and cycled 3 times from the Control Room with no problems observed. A placard will be installed on this switchgear warning the operator to verify complete racking of the breakers. No further corrective action was required.

V. PREVIOUS OCCURRENCES:

Several occurrences of this type were experienced during the performance of the Unit 2 HPCS (BG) preoperational test.

VI. NAME AND PHONE NUMBER OF PREPARER:

R. D. Koenig, 815/357-6761, extension 292.

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

March 15, 1984

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

Dear Sir:

Reportable Occurrence Report #84-005-00, Docket #050-374 is being submitted to your office in accordance with 10CFR 50.73.

G. J. Diederich
Superintendent
LaSalle County Station

GJD/MLD/sjc

Enclosure

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

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