

LICENSEE EVENT REPORT (LER)

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| 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)
U2 HPCS Pump Breaker Malfunction

| 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) |
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| OPERATING MODE (9) 1 | THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11) | | | | | | | | | | | |
| POWER LEVEL (10) 0 3 1 0 | 20.402(b) | | | 20.406(i) | | | 60.73(a)(2)(iv) | | | 73.71(b) | | |
| | 20.406(a)(1)(ii) | | | 60.36(c)(1) | | | <input checked="" type="checkbox"/> 60.73(a)(2)(v) | | | 73.71(c) | | |
| | 20.406(a)(1)(iii) | | | 60.36(c)(2) | | | 60.73(a)(2)(vii) | | | OTHER (Specify in Abstract below and in Text, NRC Form 366A) | | |
| | 20.406(a)(1)(iii) | | | 60.73(a)(2)(i) | | | 60.73(a)(2)(viii)(A) | | | | | |
| | 20.406(a)(1)(iv) | | | 60.73(a)(2)(ii) | | | 60.73(a)(2)(vii) | | | | | |
| | 20.406(a)(1)(iv) | | | 60.73(a)(2)(iii) | | | 60.73(a)(2)(ix) | | | | | |

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| LICENSEE CONTACT FOR THIS LER (12) | | | | | | | | | |
| NAME R. D. Koenig, extension 499 | | | | | | | TELEPHONE NUMBER | | |
| | | | | | | | AREA CODE 8 1 5 | | |
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| COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13) | | | | | | | | | | |
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| CAUSE | SYSTEM | COMPONENT | MANUF TURER | REPORTABLE TO NPRDS | CAUSE | SYSTEM | COMPONENT | MANUF TURER | REPORTABLE TO NPRDS | |
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| SUPPLEMENTAL REPORT EXPECTED (14) | | | | | | | EXPECTED SUBMISSION DATE (15) | | MONTH | DAY | YEAR |
| <input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE) | | | | | | | <input checked="" type="checkbox"/> NO | | | | |

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

On May 17, 1984, at 0220 hours, during LOS-HP-Q1, the HPCS Unit 2 pump breaker failed to close. NRC red phone notification was made.

The cause was traced back to a switchgear position switch (52LS). When the breaker was racked up, this switch sometimes failed to make contact. This prevented the breaker from closing. If an event occurred requiring HPCS, RCIC would have provided its function.

The position switch was replaced and readjusted. All Division III (Unit 1 and 2) 4160V switchgear position switches will be inspected. The bad position switch will be analyzed.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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| FACILITY NAME (1) LaSalle County Station Unit 2 | DOCKET NUMBER (2) 0500037484 | LER NUMBER (8) | | | PAGE (3) | |
| | | YEAR | SEQUENTIAL NUMBER | REVISION NUMBER | | |
| | | | 018 | 01 | 02 | OF |

TEXT (if more space is required, use additional NRC Form 308A's) (17)

I. EVENT DESCRIPTION

On May 17, 1984, at 0220 hours, during the performance of LOS-HP-Q1 (HPCS System Inservice Test), the HPCS (BG) pump breaker failed to close and start the HPCS pump. The breaker was racked down then racked up again, and the breaker proceeded to function as required. During this time, the Unit 2 reactor was in Operational Condition One, 30% power.

NRC red phone notification was made at 0725, greater than 4 hours after the event.

II. CAUSE

The cause of this occurrence was attributed to a breaker position switch, 52LS, associated with the switchgear. Upon investigation by the station Technical Staff and Electrical Maintenance Department, it was noted that the 52LS position switch was not operating as designed. When the breaker was racked up into its operating position, position switch 52LS was in the state of just making its contacts. As the breaker was cycled, it was noticed that the breaker moved down slightly; this, along with the condition of 52LS, breaks the contacts on position switch 52LS. With these contacts simulating a racked down switchgear, the breaker would not close and the pump would not start.

Further investigation of the breaker limit switch (52LS) showed that the position switch contacts were not all making at the same time. The alarm contacts to the ESF (Engineered Safety Feature) status display panel were among the contacts making first. The contacts to the closing coil were among the contacts making last. It was also noted that the front spacer, stops, and bearing were lying loose in the front support assembly of the switch, apparently never installed on the switch shaft.

The 10CFR50.72 notification (4 hour) was not identified immediately causing the late notification. This was due to the unique situation with the "single train" systems at BWRS which requires reporting of HPCS failures under 50.72(b)(2)(iii).

III. PROBABLE CONSEQUENCES OF OCCURRENCE

If an initiation signal (low vessel 3) had been present, RCIC (BN) would have initiated. LPCS (BM) and LPCI (BO) could also have initiated to maintain vessel level after vessel depressurization via ADS if the reactor had remained pressurized to greater than 500 psig, if required.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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|--|-----------------------------------|----------------|--------------------------|-----------------------|----------|-------|
| FACILITY NAME (1) LaSalle County Station Unit 2 | DOCKET NUMBER (2) 05000374 | LER NUMBER (6) | | | PAGE (3) | |
| | | YEAR 84 | SEQUENTIAL NUMBER 018 | REVISION NUMBER 01 | 03 | OF 03 |

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

IV. CORRECTIVE ACTION

Position switch 52LS (8 contact, General Electric type SBM) was replaced with a new SPM switch and readjusted to close slightly sooner than before. Discrepancy Report 01-84-223 was written to investigate the loose parts found in position switch 52LS. Action Item Record 1-84-67079 was written to track and verify the completion of a visual inspection of all Division III 4160V switchgear position switches in both units. All of the Unit 2 Division III switchgear (4160V) was cleaned before being returned to service. Discussion with the vendor (General Electric) obtained information that this is an isolated incident pertaining to this switchgear. The periodic testing of this breaker will be accelerated until LaSalle County Station is satisfied with the breaker performance. Training on 10CFR50.72 notifications will be conducted for shift personnel required to make these notifications (AIR 1-84-67080).

V. PREVIOUS OCCURRENCES

Several occurrences of this type were experienced during the performance of Unit 2 HPCS (BG) preoperational testing, and during the previous performance of LOP-HP-Q1, Unit 2. (Refer to LER #50-374/84-005-00.)

VI. NAME AND PHONE NUMBER OF PREPARER

R. D. Koenig, 815/357-6761, extension 499.



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

August 23, 1984

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

Dear Sir:

Reportable Occurrence Report #84-018-01, Docket #050-374 is being submitted to your office to supercede previously submitted Reportable Occurrence Report 84-018-00.

G. J. Diederich
Superintendent
LaSalle County Station

GJD/MLD/kg

Enclosure

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

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