NRC FORM 366 (7-77)

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

CONTROL BLOCK: (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

01 — LICENSEE CODE: I L D R S 2 (2) — LICENSE NUMBER: 0 0 - 0 0 0 0 0 - 0 0 (3) — LICENSE TYPE: 4 1 1 1 1 (4) — CAT (5)

CON'T

01 — REPORT SOURCE: L (6) — DOCKET NUMBER: 0 5 0 0 0 2 3 7 (7) — EVENT DATE: 0 7 0 8 8 2 (8) — REPORT DATE: 1 0 0 7 8 2 (9)

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 During normal operations, the HPCI motor gear unit was observed to be moving between
03 high and low speed stops without operator action. HPCI was declared inoperable (T.S.
04 3.5.C.2) and the required surveillances were started immediately. There was no effect
05 on public health and safety. This event is of minimum safety significance since the
06 ADS and the low pressure ECCS were operable. Last occurrence of HPCI inoperable was
07 reported by R.O. 82-21 on Docket 50-237.
08

09 — SYSTEM CODE: S F (11) — CAUSE CODE: E (12) — CAUSE SUBCODE: A (13) — COMPONENT CODE: E L E C O N (14) — COMP. SUBCODE: Z (15) — VALVE SUBCODE: Z (16)

(17) LER/RO REPORT NUMBER — EVENT YEAR: 8 2 — — SEQUENTIAL REPORT NO.: 0 2 7 — / — OCCURRENCE CODE: 0 1 — REPORT TYPE: X — — — REVISION NO.: 1

ACTION TAKEN	FUTURE ACTION	EFFECT ON PLANT	SHUTDOWN METHOD	HOURS (22)	ATTACHMENT SUBMITTED	NPRD-4 FORM SUB.	PRIME COMP. SUPPLIER	COMPONENT MANUFACTURER
A (18)	Z (19)	Z (20)	Z (21)	0 0 0 0	Y (23)	Y (24)	N (25)	T 1 0 9 (26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 Further investigation confirmed the original belief that an improper ground in the
11 power supply was the cause of failure. A new ground wire was installed. The jumper
12 wire that bypassed the amplifier during this investcigation was disconnected and the
13 system was tested satisfactorily. A similar ground wire will be installed on the
14 Unit 3 HPCI system.

15 — FACILITY STATUS: E (28) — % POWER: 0 9 3 (29) — OTHER STATUS (30): N/A — METHOD OF DISCOVERY: A (31) — DISCOVERY DESCRIPTION (32): Operator Observation

16 — ACTIVITY RELEASED: Z (33) — CONTENT OF RELEASE: Z (34) — AMOUNT OF ACTIVITY (35): N/A — LOCATION OF RELEASE (36): N/A

PERSONNEL EXPOSURES

17 — NUMBER: 0 0 0 (37) — TYPE: Z (38) — DESCRIPTION (39): N/A

PERSONNEL INJURIES

18 — NUMBER: 0 0 0 (40) — DESCRIPTION (41): N/A

LOSS OF OR DAMAGE TO FACILITY (43)

19 — TYPE: Z (42) — DESCRIPTION: N/A

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PDR ADOCK 05000237
S PDR

PUBLICITY

20 — ISSUED: N (44) — DESCRIPTION (45): N/A — NRC USE ONLY

NAME OF PREPARER: Anthony Anandappa — PHONE: 815-942-2920, X-421

ATTACHMENT TO LICENSEE EVENT REPORT #82-27/01X-1
COMMONWEALTH EDISON COMPANY (CWE)
DRESDEN UNIT 2 (ILDRS 2)
DOCKET #050-237

During normal operation, an operator observed the HPCI motor gear unit (MGU) moving between the high speed stop (HSS) and low speed stop (LSS). The HPCI system was declared inoperable (T.S. 3.5.C.2) and the required surveillances were begun immediately. The safety significance was considered minimal since Automatic Depressurization System and all other ECCS systems were operable. There was no danger to public health and safety.

The cause of the failures is believed to be due to an improper ground in the power supply to one of the amplifiers as further investigation did not reveal any new information. A new ground wire was installed. A jumper wire that bypassed the amplifier by keeping relay 2330-148 energized was also installed. The speed control unit was monitored with a recorder for some time with the jumper installed. After the jumper wire was disconnected, no change on the recorder was seen. The HPCI system surveillance was performed successfully after the jumper wire was disconnected, and with the recorder still connected, and again no change in the recorder was seen.

A ground wire is to be installed on the Unit 3 HPCI system motor speed control unit.

SUPPLEMENT TO DVR

DVR NO.	STA	UNIT.	YEAR	NO.
D -	12	2	82	44

PART 1 TITLE OF EVENT — OCCURRED

HPCI Motor Speed Controller Inoperable — 7/8/82 (DATE) — 1145 (TIME)

REASON FOR SUPPLEMENTAL REPORT

Update cause of the event based on additional investigation.

PART 2

ACCEPTANCE BY STATION REVIEW — J Brunner — John A. Hosmer

DATE — 10/18/82 — 10/20/82

SUPPLEMENTAL REPORT APPROVED AND AUTHORIZED FOR DISTRIBUTION — Douglas M. Crist (STATION SUPERINTENDENT) — 10/21/82 (DATE)