

LICENSEE EVENT REPORT

CONTROL BLOCK: 1

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

01 I L D R S 2 00 - 0 0 0 0 0 0 - 0 0 4 1 1 1 1 5

7 8 9 14 15 25 26 30 31 32 33 34 35 36 37 38

LICENSEE CODE LICENSE NUMBER LICENSE TYPE JO CAT 58

CON'T

01 L 0 5 0 0 0 2 3 7 0 8 1 9 8 3 0 8 3 0 8 3 9

7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40

REPORT SOURCE DOCKET NUMBER EVENT DATE REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10

02 During normal operations, the HPCI motor gear unit was observed to be moving be-

03 tween the high and low speed stops without operation action. This event is of

04 minimal safety significance because HPCI could still automatically initiate, and

05 the flow was set to the high speed stop (manually adjustable). There was no effect

06 on public health or safety. Previous occurrence of this type reported on

07 R.O. 82-27 on Docket 50-237.

08 80

7 8 9

09 S F E A I N S T R U C Z

7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

SYSTEM CODE CAUSE CODE CAUSE SUBCODE COMPONENT CODE COMP SUBCODE VALVE SUBCODE

17 8 3 0 6 2 0 1 T 0

21 22 23 24 25 26 27 28 29 30 31 32

LER RO REPORT NUMBER EVENT YEAR SEQUENTIAL REPORT NO. OCCURRENCE CODE REPORT TYPE REVISION NO.

A X Z Z 0 0 0 0 Y Y N T 1 0 9

33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

ACTION TAKEN FUTURE ACTION EFFECT ON PLANT SHUTDOWN METHOD HOURS ATTACHMENT SUBMITTED NPRC-4 FORM SUB. PRIME COMP. SUPPLIER COMPONENT MANUFACTURER

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27

10 Event cause appears to have been a failure of a HPCI controller amplifier. A jump-

11 er was installed on relay 2330-148 to maintain HPCI at the high speed stop. The

12 amplifier was replaced and is being monitored. Instabilities have been found in the

13 amplifier; therefore, monitoring will continue until cause of the instability has

14 been determined. A supplemental report will be issued following the investigation.

15 E 1 0 0 N/A A Operator Observation

7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

FACILITY STATUS % POWER OTHER STATUS METHOD OF DISCOVERY DISCOVERY DESCRIPTION

16 Z Z N/A N/A

7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

ACTIVITY CONTENT RELEASED OF RELEASE AMOUNT OF ACTIVITY LOCATION OF RELEASE

17 0 0 0 Z N/A

7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION

18 0 0 0 N/A

7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

PERSONNEL INJURIES NUMBER DESCRIPTION

19 Z N/A

7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

LOSS OF OR DAMAGE TO FACILITY TYPE DESCRIPTION

20 N N/A

7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

PUBLICITY ISSUED DESCRIPTION

8309070246 830830
PDR ADOCK 05000237
S PDR

NRC USE ONLY

NAME OF PREPARER Mark LeahyPHONE 815-942-2920 x422



Commonwealth Edison

DEVIATION REPORT

DVR NO. 12 - 2 - 93 - 119
STA UNIT YEAR NO.

PART 1 TITLE OF DEVIATION

OCCURRED 8/19/83 1630
DATE TIME

HPCI Motor Gear

SYSTEM AFFECTED 2300
HPCI

PLANT STATUS AT TIME OF EVENT

MODE Run, PWR(MWT) 2526.8, LOAD(MWE) 802 TESTING
YES NO

DESCRIPTION OF EVENT

The HPCI motor gear unit was at the high speed stop at 1500 hours.

At 1630 hours the HPCI motor gear unit was observed to be at the low speed stop. The

HPCI flow control was in auto at 94%. The HPCI motor gear unit was run to the high speed stop, but drove to the low speed stop when the control switch was released.

10 CFR50.72 NRC RED PHONE

NOTIFICATION MADE

☒ YES ☐ NO

EQUIPMENT FAILURE 29828

☒ YES ☐ NO

WORK REQUEST NO.

RESPONSIBLE SUPERVISOR

Jesse Williams

DATE 8/19/83

PART 2 OPERATING ENGINEER'S COMMENTS

The problem appears to be a failure of an operational amplifier in the HPCI system flow

control circuitry caused by HPCI room ambient temperatures in the range of 120°F. The

belts of the HPCI room cooler fan were broken which caused the elevated temperatures -

the belts were replaced, and the HPCI room temperatures returned to an acceptable range of approximately 110°F. A jumper wire was installed to keep relay 2330-148 energized, which

bypasses the automatic flow controller, but allows operation of the HPCI system (OVER)

☐ EVENT OF PUBLIC INTEREST☐ TECH. SPEC. VIOLATION☐ NON REPORTABLE OCCURRENCE☒ 14 DAY REPORTABLE/T.S. 6.6.B.1.e☐ 30 DAY REPORTABLE/T.S.☐ ANNUAL/SPECL REPORT REQ'D☒ 24-HOUR NRC NOTIFICATION REQ'D

TELEPH Stan Stasek

REGION III

8/22/83 0800

DATE TIME

TELEGM/TELECOPY J.G. Keppler

REGION III

8/22/83 1330

DATE TIME

☐ CECO CORPORATE NOTIFICATION MADE
IF ABOVE NOTIFICATION IS PER 10CFR21☐ 5-DAY WRITTEN REPORT REQ'D PER 10CFR21

Telecopy

XXXXX

Dennis P. Galle

CECO CORPORATE OFFICER

8/22/83 1228

DATE TIME

A.I.R. #

L.E.R. # 83-62/01T-0

PRELIMINARY REPORT
COMPLETED AND REVIEWED

John M. Almer

OPERATING ENGINEER

8/22/83

DATE

INVESTIGATED REPORT & RESOLUTION
ACCEPTED BY STATION REVIEWRESOLUTION APPROVED AND
AUTHORIZED FOR DISTRIBUTION

86-5176 (FORM 15-52-1) 10-81

STATION SUPERINTENDENT

DATE

ATTACHMENT TO LICENSEE EVENT REPORT 83-62/01T-0
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 and low speed stop. The safety significance was considered minimal because HPCI could still initiate automatically, and the flow was manually controllable. There was no danger to public health or safety.

The apparent cause of the event is high temperatures in the HPCI room (about 120°F) caused by the breakage of the HPCI room cooler fan belts. This high temperature caused the failure of a HPCI system controller operational amplifier. A jumper has been installed on relay 2330-148 to maintain HPCI at the high speed stop. The amplifier was replaced and attached to a recorder for monitoring. Instabilities have been found in the operational amplifier; therefore, monitoring will continue until the root causes of the instability are fully determined and corrected. Operating Order #35-83 will cover proper unit operation while the 2330-148 relay remains jumpered. A supplemental event report will be issued following the investigation.



Commonwealth Edison
Dresden Nuclear Power Station
R.R. #1
Morris, Illinois 60450
Telephone 815/942-2920

August 30, 1983

DJS Ltr #83-852

James G. Keppler, Regional Administrator
Region III
U.S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, IL 60137

Reportable Occurrence Report #83-62/01T-0, Docket #050-237 is being submitted to your office in accordance with Dresden Nuclear Power Station Technical Specification 6.6.B.1.(e), failure or malfunction of one or more components which prevents or could prevent, by itself, the fulfillment of the functional requirements of system(s) used to cope with accidents analyzed in the SAR.

D.J. Scott
Station Superintendent
Dresden Nuclear Power Station

DJS/kjl

Enclosure

cc: Director of Inspection & Enforcement
Director of Management Information & Program Control
U.S.NRC, Document Management Branch
File/NRC

SEP 01 1983

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