

LICENSEE EVENT REPORT

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

LICENSEE CODE: I L D R S 2; LICENSE NUMBER: 00-000000-000; LICENSE TYPE: 41111; CAT 58: 4

REPORT SOURCE: L; DOCKET NUMBER: 05000237; EVENT DATE: 081983; REPORT DATE: 083083

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES

During normal operations, the HPCI motor gear unit was observed to be moving between the high and low speed stops without operation action. This event is of minimal safety significance because HPCI could still automatically initiate, and the flow was set to the high speed stop (manually adjustable). There was no effect on public health or safety. Previous occurrence of this type reported on R.O. 82-27 on Docket 50-237.

SYSTEM CODE: S F; CAUSE CODE: E; CAUSE SUBCODE: A; COMPONENT CODE: I N S T R U; COMP. SUBCODE: C; VALVE SUBCODE: Z

EVENT YEAR: 83; SEQUENTIAL REPORT NO.: 062; OCCURRENCE CODE: 01; REPORT TYPE: T; REVISION NO.: 0

ACTION TAKEN: A X; EFFECT ON PLANT: Z; SHUTDOWN METHOD: Z; HOURS: 0000; ATTACHMENT SUBMITTED: Y; NPRD-4 FORM SUB.: Y; PRIME COMP. SUPPLIER: N; COMPONENT MANUFACTURER: T109

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS

Event cause appears to have been a failure of a HPCI controller amplifier. A jumper was installed on relay 2330-148 to maintain HPCI at the high speed stop. The amplifier was replaced and is being monitored. Instabilities have been found in the amplifier; therefore, monitoring will continue until cause of the instability has been determined. A supplemental report will be issued following the investigation.

FACILITY STATUS: E; % POWER: 100; OTHER STATUS: N/A; METHOD OF DISCOVERY: A; DISCOVERY DESCRIPTION: Operator Observation

ACTIVITY CONTENT RELEASED OF RELEASE: Z; AMOUNT OF ACTIVITY: N/A; LOCATION OF RELEASE: N/A

PERSONNEL EXPOSURES NUMBER: 000; TYPE: Z; DESCRIPTION: N/A

PERSONNEL INJURIES NUMBER: 000; DESCRIPTION: N/A

LOSS OF OR DAMAGE TO FACILITY TYPE: Z; DESCRIPTION: N/A

PUBLICITY ISSUED DESCRIPTION: N; DESCRIPTION: N/A

8309070246 830830 PDR ADOCK 05000237 S PDR

NRC USE ONLY

NAME OF PREPARER: Mark Leahy

PHONE: 815-942-2920 x422



Commonwealth Edison

DEVIATION REPORT

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

PART 1 TITLE OF DEVIATION OCCURRED
HPCI Motor Gear 8/19/83 1630
DATE TIME

SYSTEM AFFECTED 2300 PLANT STATUS AT TIME OF EVENT TESTING
HPCI MODE Run, PWR(MWT) 2526.8, LOAD(MWE) 802 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.

EQUIPMENT FAILURE 29828 10 CFR50.72 NRC RED PHONE NOTIFICATION MADE 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 8/22/83 0800
REGION III DATE TIME
TELEGM/TELECOPY J.G. Keppler 8/22/83 1330
REGION III DATE TIME
CECO CORPORATE NOTIFICATION MADE IF ABOVE NOTIFICATION IS PER 10CFR21
5-DAY WRITTEN REPORT REQ'D PER 10CFR21
A.I.R. #
L.E.R. # 83-62/01T-0
Teletype Dennis P. Galle 8/22/83 1228
CECO CORPORATE OFFICER DATE TIME

PRELIMINARY REPORT COMPLETED AND REVIEWED John M. Almer 8/22/83
OPERATING ENGINEER DATE

INVESTIGATED REPORT & RESOLUTION ACCEPTED BY STATION REVIEW
8/31/83 8/31/83

RESOLUTION APPROVED AND AUTHORIZED FOR DISTRIBUTION R.M. Pagan 8/31/83
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

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