U. S. NUCLEAR REGULATORY COMMISSION NRC FORM 366 (7.77) -LICENSEE EVENT REPORT CONTROL BLOCK: (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION) (1)0 DIR 0 0 1 S 2 (2) 0 0 0 3 0 0 0 LICENSEE CODE CON'T REPORT 30121161814 0 5 0 0 0 0 1 L (6) 31 7 0 0 18 11 9 8 13 (9) 2 SOURCE DOCKET NUMBER EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10) During normal operations, the HPCI motor gear unit was observed to be moving be-0 2 tween the high and low speed stops without operation action. This event is of 0 3 minimal safety significance because HPCI could still automatically initiate. 0 4 and the flow was set to the high speed stop (manually adjustable). There was no effect 0 5 on public health or safety. Previous occurrence of this type reported on 0 6 R.O. 82-27 on Docket 50-237. 0 7 0 8 a SYSTEM CAUSE CAUSE COMP VALVE CODE SUBCODE COMPONENT CODE SUBCODE S | F | (11 N T | R | U (14 Z (16 E (12) A (13) S C (15) 6 9 18 OCCURRENCE REVISION SEQUENTIAL REPORT REPORT NO. CODE EVENT YEAR LER/RO TYPE NO. 0 6 2 17 8 011 REPORT 3 X 1 NUMBER 27 COMPONENT EFFECT ON PLANT METHOD ATTACHMENT NPRO-4 PRIME COMP ACTION ACTION RE HOURS (22) FORMSUB SUPPLIER N 25 110926 (18) X (19 0 0 01 LY 23 Y (24) A Z (20 Z (21 0 Т CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27) 10 Event was caused by the failure of a HPCI system controller operational amplifier This failure was attributed to HPCI room high temperatures (about 120°F). caused by broken HPCI room cooler fan belts. The amplifier was replaced, and DOS 2300-1 1 2 was performed to assure operability. The jumper installed on relay 2330-148 during investigation has been removed. 1 4 80 METHOD OF FACILITY (30) % POWER OTHER STATUS DISCOVERY DESCRIPTION (32) 10 0 (25) Operator Observation E 28 N/A A (31) 1 5 9 10 ACTIVITY CONTENT 80 LOCATION OF RELEASE (35) RELEASED OF RELEASE AMOUNT OF ACTIVITY (35 Z 33 Z 34 N/A 6 N/A 10 80 11 PERSONNEL EXPOSURE DESCRIPTION (39) NUMBER Z (38) 0 0 37 01 N/A FERSONNEL INJURIES 8C DESCRIPTION (41) NUMBER 01 0 (40) N/A 8 01 80 11 8402290219 840216 OSS OF OR DAMAGE TO FACILITY (43) PUR ADOCK 05000237 DESCRIPTION TYPE S Z (42) FDR 9 10 80 PUB\_ICITY NRC USE ONLY ESCRIPTION (45 NTA 2 0 69 80.3 PHONE: (815)942-2920 X422 Ode Mark Leahy NAME OF PREPARER -



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

February 16, 1984

DJS Ltr. #84-159

James G. Keppler, Regional Administrator Region 1!! U.S. Nuclear Regulatory Commission 799 Roosevelt Road Glen Ellyn, IL 60137

Updated Reportable Occurrence Report #83-62/01X-1, 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. This report is being submitted to provide the actual cause of the event and additional corrective actions.

DV J. Scott Station Superintendent Dresden Nuclear Power Station

IFEB 2 2 1984

DJS/jmt

Enclosure

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

## SUPPLEMENT TO DVR

	DVR NO. STA UNIT. YE D - 12 - 2 -	AR NO. 83 - 119		
PART I TITLE OF EVEN	Г	OCCU	RRED 8-19-83	1630
HPCI Motor Gear			DATE	TIME
EASON FOR SUPPLEMENT. To confirm the cause	of the event and correct	tive actions		
ART 2	TION REVIEW 2 Brun	nes Am	Alman _	
	2/17/84	E 6 2/1	7/84 -	
DATE	. /1	11		/ /

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## ATTACHMENT TO LICENSEE EVENT REPORT 83-62/01X-1 <u>COMMONWEALTH EDISCN COMPANY (CWE)</u> <u>DRESDEN UNIT 2 (ILDRS 2)</u> <u>DOCKET # 050-237</u>

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.

The cause of the event was high temperature in the HPC1 room (about 120°F) caused by the breakage of the HPC1 room cooler fan belts. This high temperature caused the failure of a HPC1 system controller operational amplifier. A jumper was installed on relay 2330-148 to maintain HPC1 at the high speed stop. The amplifier was replaced and attached to a recorder for monitoring. DOS 2300-1 was performed to ensure operability and the jumper on relay 2330-148 was subsequently removed. Also, a Modification (M12-2-83-54) has been initiated to replace the Motor Gear Unit signal converter which contains the affected operational amplifier, and to move the new equipment to a less harsh environment.