NRC Form 366
(9-83)

U.S. NUCLEAR REGULATORY COMMISSION
APPROVED OMB NO. 3150-0104
EXPIRES: 8/31/85

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)	DOCKET NUMBER (2)	PAGE (3)
Dresden Nuclear Power Station, Unit 3	0 5 0 0 0 2 4 9	1 OF 0 2

TITLE (4)
High Pressure Coolant Injection (HPCI) Room Cooler Inoperative

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)
									N/A	0 5 0 0 0
0 8	2 6	8 5	8 5	0 1 6	0 0	0 9	2 3	8 5	N/A	0 5 0 0 0

OPERATING MODE (9)	N	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)			
POWER LEVEL (10)	0 9 5	20.402(b)	20.405(c)	50.73(a)(2)(iv)	73.71(b)
		20.405(a)(1)(i)	50.36(c)(1)	X 50.73(a)(2)(v)	73.71(c)
		20.405(a)(1)(ii)	50.36(c)(2)	50.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)
		20.405(a)(1)(iii)	50.73(a)(2)(i)	50.73(a)(2)(viii)(A)	
		20.405(a)(1)(iv)	50.73(a)(2)(ii)	50.73(a)(2)(viii)(B)	
		20.405(a)(1)(v)	50.73(a)(2)(iii)	50.73(a)(2)(x)	

LICENSEE CONTACT FOR THIS LER (12)

NAME	TELEPHONE NUMBER
	AREA CODE
Tim Wojtulewicz (X-529)	8 1 5 9 4 2 - 2 9 2 0

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	
X	B J	C L	G 0 8 0	Y							

SUPPLEMENTAL REPORT EXPECTED (14)		EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
YES (If yes, complete EXPECTED SUBMISSION DATE)	X NO				

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

During normal unit operation, while conducting routine rounds, the Unit 3 Equipment Attendent (EA) observed the high pressure coolant injection (HPCI) room cooler fan breaker smoking. The EA immediately racked the breaker out and informed the Shift Foreman of this event. Per Technical Specification 3.5.C, HPCI was declared inoperable and a work request initiated. Upon investigation into this event, Electrical Maintenance found a shorted motor contactor coil. The contactor coil and auxiliary contacts were replaced. Dresden Maintenance Procedure (DMP 7300-5), Inspection and Maintenance of 480 Volt MCC Breakers and Contactors, was performed. The room cooler was successfully operated and HPCI declared operable on 8/26/85 at 1440.

The safety significance of this event was minimal since the isolation condenser and automatic depressurization system were operable and capable of relieving high reactor pressure.

This is the first failure of the HPCI room cooler motor contactor coil at Dresden.

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		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	
Dresden Nuclear Power Station, Unit 3	0 5 0 0 0 2 4 9	8 5	— 0 1 6	— 0 0	0 2 OF 0 2

TEXT (If more space is required, use additional NRC Form 366A's) (17)

During normal unit operation, while conducting routine rounds, the Unit 3 Equipment Attendent (EA) observed the high pressure coolant injection (HPCI) room cooler fan breaker (motor control center MCC 39-1, cubical B-1) smoking. The EA immediately racked the breaker out and informed the Shift Foreman of this event. Per Technical Specification 3.5.C, HPCI was declared inoperable. The limiting condition for operation with HPCI inoperable (Technical Specification 4.5.c) requires performing operability tests for the low pressure coolant injection (LPCI), core spray, automatic depressurization system (ADS) and the isolation condenser valves. The monthly operability test for LPCI and core spray had just been completed on 8/26/85 at 0240 and 0250 respectively. The isolation condenser valve operability test was completed at 0530 on 7/26/85. Containment cooling service water (CCSW) samples were requested prior to operating LPCI in the torus cooling mode for ADS system testing. Upon investigation into this event, Electrical Maintenance found a shorted motor contactor coil. The exact cause of the short could not be determined due to the burnt condition of the coil, however, insulation degradation is the suspected cause. The motor contactor coil and breaker auxiliary contacts were replaced. Dresden Maintenance Procedure (DMP 7300-5), Inspection and Maintenance of 480 Volt Motor Control Center Breakers and Contactors was performed. The room cooler was successfully operated and HPCI was declared operable at 1440 on 8/26/85, before the ADS system testing had begun.

The safety significance of this event was minimal since the isolation condenser and automatic depressurization system were operable and capable of relieving high reactor pressure if such a condition occurred.

This is the first failure of the HPCI room cooler motor contactor coil at Dresden.

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

September 23, 1985

DJS Ltr #85-917

U.S. Nuclear Regulatory Commission
Document Control Desk
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Licensee Event Report #85-016-0, Docket #050249 is being submitted as required by Technical Specification 6.6, NUREG 1022 and 10 CFR 50.73 (a)(2)(v).

D.J. Scott
Station Manager
Dresden Nuclear Power Station

DJS/kjl

Enclosure

cc: J.G. Keppler, Regional Administrator, Region III
File/NRC
File/Numerical

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