

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Dresden Nuclear Power Station Unit 3										DOCKET NUMBER (2) 05000249										PAGE 13 1 OF 02																																	
TITLE (4) HPCI Room Cooler Inoperable to HPCI																																																					
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 NAME												DOCKET NUMBER(S)														
																											N/A												05000249														
02			06			85			85			00			03			00			03			05			85			N/A												05000249											
OPERATING MODE (9) N									THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5: (Check one or more of the following) (11)																																												
POWER LEVEL (10) 091									20.402(b)									20.408(a)									80.73(a)(2)(iv)									73.71(b)																	
									20.408(a)(1)(i)									80.36(a)(1)									80.73(a)(2)(v)									73.71(a)																	
									20.408(a)(1)(ii)									80.36(a)(2)									80.73(a)(2)(vi)									OTHER (Specify in Abstract below and in Text, NRC Form 306A)																	
									20.408(a)(1)(iii)									80.73(a)(2)(i)									80.73(a)(2)(vii)(A)																										
									20.408(a)(1)(iv)									80.73(a)(2)(ii)									80.73(a)(2)(vii)(B)																										
									20.408(a)(1)(v)									80.73(a)(2)(iii)									80.73(a)(2)(a)																										
LICENSEE CONTACT FOR THIS LER (12)																																																					
NAME Brian C. McCabe (X-550)																					TELEPHONE NUMBER 8115 9421-12920																																
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																																																					
CAUSE		SYSTEM		COMPONENT		MANUFACTURER		REPORTABLE TO NPROS				CAUSE		SYSTEM		COMPONENT		MANUFACTURER		REPORTABLE TO NPROS																																	
B		BIJ		ICILR		BI5117		Y																																													
SUPPLEMENTAL REPORT EXPECTED (14)																																																					
YES (If yes, complete EXPECTED SUBMISSION DATE:)																					X		NO		EXPECTED SUBMISSION DATE (15)				MONTH		DAY		YEAR																				
ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)																																																					
<p>On February 6, 1985, with Unit 3 at 91 percent power and during normal operation, the Mechanical Maintenance Department requested that the Unit 3 HPCI room cooler be turned on to reduce heat in the work area. Noticing no fan operation, the Mechanic checked the cooler and found that the belts had fallen off. The HPCI system was declared inoperable and work was begun to replace the belts.</p> <p>The HPCI room coolers are used to maintain the HPCI room area at a temperature below 200°F. When the HPCI area temperature reaches 200°F, an HPCI system isolation occurs. In 1983, in response to I.E. Information Notice No. 83-56, Dresden Station committed to declaring the HPCI system inoperable whenever the cooler cannot perform its designed function.</p> <p>Within approximately 3 hours of finding the HPCI room cooler belts missing, Electrical Maintenance Mechanics replaced the belts and verified that the HPCI room cooler fans ran properly. Therefore, the HPCI system was declared operable.</p> <p>A discussion of this event and an event which simultaneously affected the operability of the HPCI system is documented in reportable occurrence 85-03 on Docket #050-249.</p>																																																					
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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES 9/31/86

FACILITY NAME (1) Dresden Nuclear Power Station	DOCKET NUMBER (2) 0 5 0 0 0 2 4 9 8 5 -	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		8 5	0 0 3 -	0 0	0 2	OF	0 2

TEXT (If more space is required, use additional NRC Form 368A's) (17)

On February 6, 1985, with Unit 3 at 91 percent power and during normal operation, the Mechanical Maintenance Department requested that the Unit 3 HPCI room cooler be turned on to reduce heat in the work area. Noticing no fan operation, the Mechanic checked the cooler and found that the belts had fallen off. The HPCI system was declared inoperable and work was begun to replace the belts. Safety significance was minimal because the automatic depressurization system (ADS), isolation condenser system, and other ECCS systems remained operable. The previous occurrence of this type is documented in the Supplement 1 to Reportable Occurrence 83-62 on Docket #050237.

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Within approximately 3 hours of finding the HPCI room cooler belts missing, Electrical Maintenance Mechanics replaced the belts and verified that the HPCI room cooler fans ran properly. Therefore, the HPCI system was declared operable.

As will be referenced in reportable occurrence 85-06 on Docket #050249, between the period from January 14, 1985 to January 23, 1985, station personnel, either misinterpreting dripping water to be a leaking cooler or to improve working conditions in the area, valved out the service water supply to the Unit 3 HPCI room cooler without proper authorization. The service water remained valved out until an investigation by the Operating Department led to the discovery of this misalignment on February 22, 1985. Therefore, during the period in which the valves were closed, the HPCI system was inoperable.

Since valve alignment was not altered during the maintenance on the HPCI room cooler belts, the Electricians only verified that the fans operated properly and did not check whether the valves leading to the cooler were properly aligned. Since condensation on the service water piping is not noticeable until continuous cooler operation is maintained, and the cooler fans did operate properly, the Electricians had no indication that a problem existed with the HPCI room coolers. The HPCI system was subsequently declared operable. There was no indication that the service water leading into the HPCI room coolers was valved out until February 22, 1985 when an Operating Department investigation discovered the valve misalignment.

To prevent the recurrence of this type event at Dresden Station, several corrective actions are documented in Reportable Occurrence 85-06 on Docket 050249. One such corrective action, the verification of the operability of the room coolers, will be added to the operating surveillances of the respective systems. This verification will include a visual inspection of the proper operation of the cooler and the position of the service water valves. Dresden Station believes that no further corrective actions are deemed necessary.



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March 5, 1985

DJS Ltr #85-264

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, D.C. 20555

Licensee Event Report #85-003-0, 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 Superintendent
Dresden Nuclear Power Station

DJS/kjl

Enclosure

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

IE22
1/1