





FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)						Page (3)		
		Year	///	Sequential Number	///	Revision Number				
Dresden Nuclear Power Station	0   5   0   0   0   2   4   9	8   9	-	0   0   4	-	0   1	0   3	OF	0   3	

TEXT Energy Industry Identification System (EIIS) codes are identified in the text as [XX]

D. SAFETY ANALYSIS OF EVENT:

Although the HPCI system was declared inoperable in accordance with Station policy as a conservative operating practice following the room cooler failure, its automatic function was not hindered. Upon automatic initiation to mitigate the consequence of a small high energy line break (HELB), Final Safety Analysis Report (FSAR) figure 6.2.5:5 indicates that the HPCI system will reduce reactor pressure to 350 psig in approximately 300 seconds. Nuclear Fuel Services Department report RSA-D:89-01 indicates that the HPCI system can operate approximately 80 hours at full capacity prior to reaching the high room temperature HPCI system isolation setpoint even with the room cooler inoperable. In addition, the Isolation Condenser system [BL], the Automatic Depressurization System (ADS) [SM], and the Low Pressure Emergency Core Cooling Systems (ECCSs) [B0,BM] were available to mitigate the consequences of a small HELB.

For these reasons, the safety significance of this event is minimal.

E. CORRECTIVE ACTIONS:

Immediate corrective actions included replacement of the HPCI room cooler drive belts and replacement of the shaft bearing. Additionally, a second bearing was placed adjacent to the original bearing. This provided a greater bearing surface for the shaft and in order to help maintain the shaft in proper alignment. These repairs were performed under the direction of Work Request 88016 and temporary alteration number III-43-89. The drive shaft/bearing assembly was replaced during the subsequent refuel outage, and temporary alteration III-43-89 was terminated on 2/9/90 (249-200-89-09701).

Additionally, to help prevent recurrence, a procedural inquiry has been initiated to include guidance within DEP 5700-4 to denote the proper belt tension. The Electrical Maintenance Department will revise DEP 5700-4 to include the proper belt tension information (249-200-89-09702).

F. PREVIOUS EVENTS:

LER/Docket Numbers      Title

89-022/050237      HPCI System Inoperable Due to Room Cooler Broken Drive Belts

The HPCI system was declared inoperable as a result of the room cooler being inoperable due to broken drive belts. The cause of the broken drive belts was due to the increased operating frequency of the room cooler due to increased HPCI room ambient temperatures. The drive belts were replaced and HPCI was returned to service.

G. COMPONENT FAILURE DATA:

<u>Manufacturer</u>	<u>Nomenclature</u>	<u>Model Number</u>	<u>Mfg. Part Number</u>
OPTI Belt	V-Belt	B-51	N/A

The drive belt is not reportable to NPRDS data base.