



ATTACHMENT TO LICENSEE EVENT REPORT 78-023/01T-0  
COMMONWEALTH EDISON COMPANY (CWE)  
DRESDEN UNIT 2 (ILDRS-2)  
DOCKET #050-237

While performing the HPCI flow surveillance (DOS-2300-3) at 0305 hours on March 20, 1978, the HPCI system isolated because of high ambient temperature ( $\approx 200^{\circ}\text{F}$ ). The HPCI Turbine had been operating for about 7 minutes prior to isolation at 0346 hours; the HPCI system was restarted and again isolated after running for 5 minutes. At 0445 hours the HPCI system was declared inoperable because of steam leakage between the control valve chest flanges. All required surveillances were successfully completed in order to ensure compliance with Technical Specification 3.5.c.2.

The cause for the steam leak could not be determined. The mating surfaces of the steam chest were checked for flatness and found to be within tolerances. The surfaces were stoned to provide an even smoother surface for re-assembly.

Red RTV, a silicone rubber sealer manufactured by Dow-Corning Company, had been used between the surfaces of the flanges following the HPCI turbine overhaul during the 1977 fall refueling outage. This was done primarily to allow for easier disassembly rather than to provide a seal. This compound has been used in similar situations with no problem. Upon re-assembly, rather than using the red RTV, Alinco Compound, viscosity 37MM manufactured by Wheeler's Paint Inc. was used and a piece of Teflon string was woven around the studs. The HPCI Turbine was then operated successfully with no evidence of a steam leak.

No further corrective action is currently planned.



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**FILE COPY**

April 3, 1978

BBS LTR #344-78

James G. Keppler, Regional Director  
Directorate of Regulatory Operations - Region III  
U.S. Nuclear Regulatory Commission  
799 Roosevelt Road  
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Reportable Occurrence Report #78-023/01T-0, Docket #050-237 is hereby 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.

*Arthur M Roberts*  
for B. B. Stephenson  
Station Superintendent  
Dresden Nuclear Power Station

BBS:cac

Enclosure

cc: Director of Inspection & Enforcement  
Director of Management Information & Program Control  
File/NRC

APR 5 1978