



Commonwealth Edison
 Dresden Nuclear Power Station
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 FILES

July 26, 1978

BBS LTR #78-1100

James G. Keppler, Regional Director
 Directorate of Regulatory Operations - Region III
 U.S. Nuclear Regulatory Commission
 799 Roosevelt Road
 Glen Ellyn, IL 60137

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Reportable Occurrence Report #78-041/03L-0, Docket #050-237 is hereby submitted to your office in accordance with Dresden Nuclear Power Station Technical Specification 6.6.B.2.(b), conditions leading to operation in a degraded mode permitted by a limiting condition for operation or plant shutdown required by a limiting condition for operation.

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

BBS/deb

Enclosure

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

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ATTACHMENT TO LICENSEE EVENT REPORT 78-041-03L-0
COMMONWEALTH EDISON COMPANY (CWE)
DRESDEN UNIT 2 (ILDRS2)
DOCKET #50-237

While testing the 2/3 diesel generator to allow the redundant diesel generator to be taken out of service for it's monthly maintenance inspection, the thermal overload for the 2/3 diesel generator cooling water pump tripped. The diesel generator control switch was immediately put in the off position. The thermal trips were then reset and the breaker contacts picked up allowing the diesel cooling water pump to start. At this time, a normal run of the 2/3 diesel generator was made starting at 0221 and ending at 0329. The diesel generator cooling water pump operated normally during the surveillance run. This event had minimal safety significance because both the Unit 2 and Unit 3 redundant diesels were available. Trips of the breakers have occurred previously for other reasons as reported in LER's 50-249-76-13, 50-249-77-29, and 50-249-77-38.

The pump was replaced. An inspection of the pump which was removed revealed only normal wear, and no cause for the pump trip could be discovered. Further review of records indicated that the removed pump had always run at an amperage slightly in excess of its nameplate rating and consequently, very close to the breaker thermal trip setting. The pump was a unique design, and had been installed last November using an approved modification when no other pumps of the original design could be obtained.

The original canned rotor pumps typically ran at a point on their head curve considerably below full nameplate amperage. As a result there was a substantial margin to the thermal overload trip point based on nameplate rating. The newly installed pump is of the same design as the original pump, and sufficient margin to the breaker thermal trip has been restored. Also, as further corrective action to eliminate unnecessary use of these pumps, a cross tie modification to the service water system has been completed to allow the HPCI and LPCI ECCS room coolers to use service water instead of water from the diesel cooling water pumps during normal plant operating conditions.