

ATTACHMENT TO LICENSEE EVENT REPORT 80-04-03L-1  
COMMONWEALTH EDISON COMPANY (CWE)  
DRESDEN UNIT 3 (ILDRS-3)  
DOCKET # 050-249

On February 2, 1980, a sudden 27 MWe drop in electric power occurred. At that time, a drop in core  $\Delta P$ , steam flow and feedwater flow occurred. Also, there was an indicated increase in total core flow combined with an increase in recirculation loop B flow, an indicated increase in jet pump No. 13 flow, and an indicated decrease in jet pump No. 14 flow. A jet pump disassembly was diagnosed, and the plant was brought to a cold shutdown condition in accordance with the Technical Specifications. During the examination following shutdown, it was determined that the hold-down beam for jet pump No. 13 had broken at the midsection, resulting in jet pump disassembly.

Subsequent UT examinations identified crack indication in six additional hold-down beams. These beams were subsequently removed and replaced with new beams. The beams with crack indications were sent to General Electric where metallographic examinations confirmed that cracks were present in these beams.

Metallurgical examinations have shown that intergranular stress corrosion cracking (IGSCC) under sustained loading is the cause of the jet pump hold-down beam failure. Results of metallurgical examinations have also ruled out fatigue as a failure mechanism.

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SUPPLEMENT TO DVR

DVR NO.	STA	UNIT.	YEAR	NO.
D -	12 -	3 -	80 -	20

<b>PART 1</b>	<b>TITLE OF EVENT</b>	<b>OCCURRED</b>	
	UT Indications in Unit, 3 Jet Pump Beams	2-2-80	0130
		<u>DATE</u>	<u>TIME</u>
<b>REASON FOR SUPPLEMENTAL REPORT</b>			
To Update the cause and corrective action for the Unit 3 Jet Pump Beams			
<b>PART 2</b>			
ACCEPTANCE BY STATION REVIEW	<u>J. Brunner</u>	<u>Michael Wright</u>	
DATE	<u>8/13/80</u>	<u>8-13-80</u>	
SUPPLEMENTAL REPORT APPROVED AND AUTHORIZED FOR DISTRIBUTION	<u>Douglas Sweet</u>	<u>8/15/80</u>	
	STATION SUPERINTENDENT	<u>DATE</u>	

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