

[PLEASE PRINT ALL REQUIRED INFORMATION]

EVENT	DESCRIPTION
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SYSTEM CODE		CAUSE CODE	COMPONENT CODE					PRIME COMPONENT SUPPLIER	COMPONENT MANUFACTURER			VIOLATION		
07	SF	E	V	A	L	V	O	P	N	P	I	9	5	N
7	8	9	10					17	43	44			47	48

08	THE VALVE FAILURE WAS CAUSED BY A BROKEN LIMIT SWITCH CONTACT BLOCK IN	80
09	THE VALVE OPERATOR. THE PLASTIC BLOCK, WHICH HAD BEEN TESTED BY THE MANUFAC-	80
10	TURER WITH A FORCE OF UP TO 8 G'S IN ALL DIRECTIONS, APPARENTLY SUSTAINED SOME	80

(SEE ATTACHED SHEET 80)

(SEE ATTACHED SHEET 80)

FACILITY STATUS		% POWER		OTHER STATUS		METHOD OF DISCOVERY		DISCOVERY DESCRIPTION	
11	E	095		NA		B		NA	
7	8	9	10	11	12	13	44	45	46
FORM OF ACTIVITY RELEASED		CONTENT OF RELEASE		AMOUNT OF ACTIVITY		LOCATION OF RELEASE			
12	Z	Z		NA				NA	
7	8	9	10	11	44	45			80

NUMBER				TYPE	DESCRIPTION	
1	3	0	0	0	Z	

NUMBER				DESCRIPTION
1	4	0	0	NA

15 | NA

TYPE			DESCRIPTION
16	Z		NA

17	NA
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18	NA	S	PDR	
7 8 9				80

19
7 8 9

PHONE: EXT. 265

EVENT DESCRIPTION (Continued)

on 11/27/74 (MO 3-1402-24A).
(50-237/1976-49)

CAUSE DESCRIPTION (Continued)

damage from water hammer in the core spray system. Before installation of the ECCS jockey pump charging system, inadequate system venting caused several water hammer incidents to occur on both Units 2 and 3 during normal core spray system surveillance tests. During these incidents, it is conjectured, the valve limit switch block was jarred to the point of cracking, and eventually failed after many subsequent valve cycles. Since May, 1971, surveillance procedures which require system venting prior to testing have been used in conjunction with the ECCS charging system to prevent a recurrence of water hammer conditions. No further action is considered necessary.

The failed limit switch block was replaced, and valve MO 2-1402-24B was cycled normally several times before being returned to service. Valve 1402-24B is a 10-inch Crane model 783U gate valve; the valve operator is a Limitorque model SMB-1, manufactured by Philadelphia Gear Co.



Commonwealth Edison

Dresden Nuclear Power Station

R.R. #1

Morris, Illinois 60450

Telephone 815/942-2920

BBS Ltr. #76-599

August 9, 1976



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

Enclosed please find Reportable Occurrence report number 50-237/1976-49.
This report is being submitted to your office in accordance with the Dresden
Nuclear Power Station Technical Specifications, Section 6.6.B.

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

BBS:jo

Enclosure

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

8226

~~DO NOT REPLY REGION III~~