

# LICENSEE EVENT REPORT

CONTROL BLOCK: 1 2 3 4 5 6

(PLEASE PRINT ALL REQUIRED INFORMATION)

LICENSEE NAME			LICENSE NUMBER										LICENSE TYPE				EVENT TYPE									
01	I	L	D	R	S	2	0	0	0	0	0	0	0	0	4	1	1	1	1	0	3					
7	8	9	14				15	25							26	30			31	32						
CATEGORY			REPORT TYPE		REPORT SOURCE		DOCKET NUMBER							EVENT DATE				REPORT DATE								
01	CONT				L	L	0	5	0	-	0	2	3	7	0	9	1	5	7	6	1	0	1	4	7	6
7	8		57	58	59	60	61	68							69	74			75	80						

**EVENT DESCRIPTION**

02	DURING TESTING OF THE HPCI TEST RETURN LINE, WHICH WAS SUSPECTED																			80
03	TO BE LEAKING, IT WAS FOUND THAT CONTAMINATED DEMINERALIZED WATER																			80
04	WAS IN FACT LEAKING FROM THE UNDERGROUND PIPE INTO THE STORM																			80
05	SEWER. THE RETURN LINE WAS IMMEDIATELY ISOLATED, AND THE WATER IN																			80
06	THE STORM SEWER WAS SAMPLED FOR RADIOACTIVITY. THE PIPE LEAK																			80
																				80

SYSTEM CODE			CAUSE CODE		COMPONENT CODE				PRIME COMPONENT SUPPLIER		COMPONENT MANUFACTURER				VIOLATION	
07	S	F	E	P I P E X X				A	Z 9 9 9				N			
7	8	9	10	11	12	17				43	44				47	48

**CAUSE DESCRIPTION**

08	THE RETURN LINE WAS CUT AND AN INTERNAL INSPECTION WAS CONDUCTED																			80
09	WITH A TV CAMERA. A POORLY MADE WELD, WHICH WAS LOCATED JUST OUT-																			80
10	SIDE THE BUILDING, APPARENTLY RESULTED IN THE LEAKAGE. IT IS																			80
																				80

FACILITY STATUS			% POWER			OTHER STATUS			METHOD OF DISCOVERY			DISCOVERY DESCRIPTION			
11	E	097			NA			C	VISUAL INSPECTION						
7	8	9	10			12	13	44	45	46					

FORM OF ACTIVITY RELEASED			CONTENT OF RELEASE			AMOUNT OF ACTIVITY				LOCATION OF RELEASE			
12	L	P			17.8 MICROCURIES				UNDERGROUND LEAK TO STORM SEWER				
7	8	9	10	11	44				45				

**PERSONNEL EXPOSURES**

NUMBER			TYPE		DESCRIPTION		
13	0	0	0	Z			
7	8	9	11	12	13		

**PERSONNEL INJURIES**

NUMBER			DESCRIPTION			
14	0	0	0			
7	8	9	11	12		

**OFFSITE CONSEQUENCES**

15	NA																			80
7	8	9																	80	

**LOSS OR DAMAGE TO FACILITY**

TYPE			DESCRIPTION				
16	Z	NA					80
7	8	9	10				80

**PUBLICITY**

17	NA																			80
7	8	9																	80	

**ADDITIONAL FACTORS**

18	NA																			80
7	8	9																	80	

8303300752 761014  
PDR ADOCK 05000237  
S PDR

19																				80
7	8	9																	80	

NAME: C. E. SARGENT

PHONE: EXT. 265

EVENT DESCRIPTION (Continued)

had no effect on HPCI system operability. There have been previously reported leaks in HPCI system piping at Dresden. (50-237/1976-61)

CAUSE DESCRIPTION (Continued)

believed that the leak had slowly developed since June, 1971 when the line was hydrostatically tested following a repair. Based on a conservative estimate of  $5.0 \times 10^4 \mu\text{Ci/l}$  in the condensate storage tanks, a leakage rate of 5 gpm, and a dilution flow rate of  $5.0 \times 10^4 \text{ gpm}$ , the maximum discharge canal activity attributable to the two-hour HPCI test each month was  $5.0 \times 10^{-9} \mu\text{Ci/ml}$ , or 5% of the Tech Spec limit. Since canal discharges are normally limited to a maximum of 50% of the Tech Spec limit, a scheduled release occurring concurrently with HPCI testing would not have resulted in excessive discharge canal activity. The estimated total activity released over the five-year period was  $7.15 \times 10^{-3} \text{ Ci}$ . Health and safety implications of this event, therefore, were minimal.

Because the leak is located directly below the nitrogen storage facility, the HPCI test return line will be rerouted to facilitate repairs. Completion of this repair will satisfactorily eliminate the leakage problem.



Commonwealth Edison  
Dresden Nuclear Power Station  
R.R. #1  
Morris, Illinois 60450  
Telephone 815/942-2920



BBS Ltr. #76-732

October 14, 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

REFERENCES: Docket No. 50-237  
Docket No. 50-249

Enclosed please find Reportable Occurrence report number 50-237/1976-61. This report is being submitted to your office in accordance with the Dresden Nuclear Power Station Technical Specifications, Section 6.6.B.

*for* *Arthur M. Roberts*  
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

10621

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