

50-237

## NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER  
INCIDENT REPORT

TO:

Mr. James G. Keppler

FROM:

Commonwealth Edison Company  
B. B. Stephenson  
Morris, IllinoisDATE OF DOCUMENT  
5/2/77DATE RECEIVED  
5/13/77☐ LETTER  
☐ ORIGINAL  
☐ COPY☐ NOTORIZED  
☐ UNCLASSIFIED

PROP

INPUT FORM

NUMBER OF COPIES RECEIVED

## DESCRIPTION

**DO NOT REMOVE**PLANT NAME: **ACKNOWLEDGED**

Dresden Unit No. 2

(1-P)

RJL

## ENCLOSURE

Licensee Event Report (RO 50-237/1977/16) on 4/2/77 concerning the torque switch on the limitorque operator for recirculation pump suction valve MO-2-202-4B opening &amp; preventing the valve from closing.....

(2-P)

**NOTE: IF PERSONNEL EXPOSURE IS INVOLVED  
SEND DIRECTLY TO KREGER/J. COLLINS**

## FOR ACTION/INFORMATION

BRANCH CHIEF:	<i>ZIEMANN</i>
W/3 CYS FOR ACTION	
LIC. ASST.:	<i>DIGGS</i>
W/7 CYS	
ACRS <i>16</i> CYS HOLDING/SENT	<i>AS CAT 13</i>

## INTERNAL DISTRIBUTION

<input checked="" type="checkbox"/> REG FILE				
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<input type="checkbox"/> VOLLMER/BUNCH				
<input type="checkbox"/> KREGER/J. COLLINS				

## EXTERNAL DISTRIBUTION

LPDR: <i>MORRIS 146</i>			
TIC:			
NSIC:			

## CONTROL NUMBER

771430044





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

*W. L. Carbon*

**REGULATORY DOCKET FILE COPY**

BBS Ltr. # 77-390

May 2, 1977



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 50-237/1977-16.  
This report is being submitted to your office in accordance with the Dresden  
Nuclear Power Station Technical Specifications, Section 6.6.B.

B. B. Stephenson  
Station Superintendent  
Dresden Nuclear Power Station

BBS:skm

Enclosure

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

MAY 4 1977

771430044



33-22-15-20-25-30-35-40-45-50-55-60-65-70-75-80-85-90-95-100

# LICENSEE EVENT REPORT

CONTROL BLOCK: 1 6

PLEASE PRINT ALL REQUIRED INFORMATION

LICENSEE NAME														LICENSE NUMBER														LICENSE TYPE										EVENT TYPE																	
01 I L D R S 2														00 - 00000000 - 000														41111										03																	
7 8 9 14														15 25														26 30										31 32																	
01 CONT														CATEGORY				REPORT TYPE				REPORT SOURCE				DOCKET NUMBER										EVENT DATE										REPORT DATE									
57 58														L				L				050 - 0237										040277										050277													
7 8 59														60				61 68										69 74										75 80																	

**EVENT DESCRIPTION**

02 While isolating the "B" recirculation loop to replace a leaking test flange, the																																																																															
03 torque switch on the limitorque operator for recirculation pump suction valve.																																																																															
04 MO-2-202-4B opened and prevented the valve from closing. In the highly unlikely																																																																															
05 event of a piping failure between the suction and discharge valves of the "B"																																																																															
06 recirculation pump, the open suction valve would have prevented the leak from being																																																																															

SYSTEM CODE										CAUSE CODE										COMPONENT CODE										PRIME COMPONENT SUPPLIER										COMPONENT MANUFACTURER										VIOLATION										(continued)									
07 C B										E										V A L V E X										N										C 6 6 5										N																			
7 8 9 10										11										12 17										43										44 47										48																			

**CAUSE DESCRIPTION**

08 The torque-limiting switch opened as a result of the valve packing being too tight.																																																																															
09 After loosening the packing, the valve was cycled normally three times. The valve is a																																																																															
10 Crane 28" gate valve, model number 608WE0S, with operating pressure of 1250 psi at																																																																															

FACILITY STATUS										% POWER										OTHER STATUS										METHOD OF DISCOVERY										DISCOVERY DESCRIPTION										(continued)									
11 G										000										NA										A										NA																			
7 8 9										10 12 13										44 45										46										80																			
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																													

**PERSONNEL EXPOSURES**

NUMBER										TYPE										DESCRIPTION									
13 000										Z										NA									
7 8 9										11 12 13										80									

**PERSONNEL INJURIES**

NUMBER										DESCRIPTION									
14 000										NA									
7 8 9										11 12 80									

**OFFSITE CONSEQUENCES**

15 NA																																																																															
7 8 9 80																																																																															

**LOSS OR DAMAGE TO FACILITY**

TYPE										DESCRIPTION									
16 Z										NA									
7 8 9										10 80									

**PUBLICITY**

17 NA																																																																															
7 8 9 80																																																																															

**ADDITIONAL FACTORS**

18 NA																																																																															
7 8 9 80																																																																															

19																																																																															
7 8 9 80																																																																															



EVENT DESCRIPTION (continued)

isolated. However, the emergency core cooling systems (ECCS) are designed to maintain adequate reactor water level in this event. A similar occurrence happened on 10/18/74 with this same valve (50-237/1974-52). At that time, the setting on the torque-limiting switch was increased (50-237/1977-16).

CAUSE DESCRIPTION (continued)

575°F. The operator is direct acting, manufactured by Limitorque, model number SMB-2, with a torque rating of 1700 ft. lbs.

RECEIVED DOCUMENT  
PROCESSING UNIT

1977 MAY 20 PM 1 56