

50-237

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER  
INCIDENT REPORT

TO:  
Mr. James G. Keppler

FROM:  
Commonwealth Edison Company  
Morris, Illinois  
B. B. Stephenson.

DATE OF DOCUMENT  
5/13/77

DATE RECEIVED  
5/20/77

LETTER  
 ORIGINAL  
 COPY

NOTORIZED  
 UNCLASSIFIED

PROP

INPUT FORM

NUMBER OF COPIES RECEIVED

100

DESCRIPTION

ENCLOSURE

**DO NOT REMOVE  
ACKNOWLEDGED**

Licensee Event Report (RO 50-237/1977-17) on 4/13/77 concerning the ball isolation valve on "E" Traversing Incore Probe System Guide Tube failing to open from the Control Room.....

PLANT NAME:

Dresden Unit No. 2

(1-P)

(2-P)

RJL

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

FOR ACTION/INFORMATION

BRANCH CHIEF:	<i>Davis</i>
W/3 CYS FOR ACTION	
LIC. ASST.:	<i>Diggs</i>
W/1 CYS	
ACRS /6 CYS HOLDING/SENT	<i>AS LATE</i>

INTERNAL DISTRIBUTION

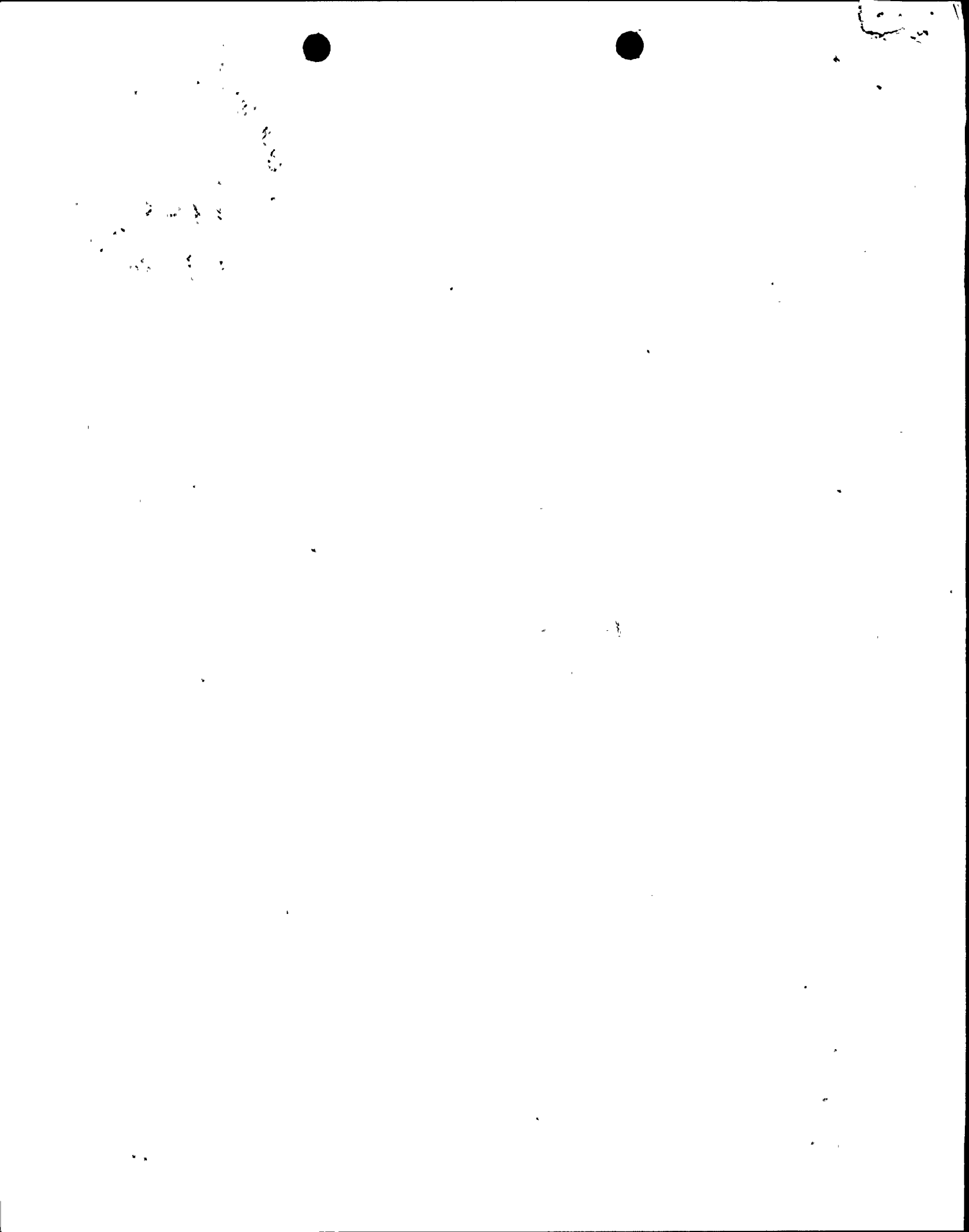
<del>REG-FILE</del>	
<del>NRC-PDR</del>	
<del>T &amp; E (2)</del>	
<del>MIPG</del>	
SCHROEDER/IPPOLITO	
HOUSTON	
NOVAK/CHECK	
GRIMES	
<del>BUTLER</del>	
HANAUER	
TEDESCO/MACCARY	
EISENHUT	
BAER	
<del>SHAO</del>	
VOLLMER/BUNGH	
KREGER/J. COLLINS	

EXTERNAL DISTRIBUTION

CONTROL NUMBER

LPDR: <i>Morris 1/1</i>	
TIC:	
NSIC:	

771400156





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

BBS Ltr. #77-773

May 13, 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 50-237/1977-17.  
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 for 5/13*  
B.B. Stephenson  
Station Superintendent  
Dresden Nuclear Power Station

Regulatory Docket File

BBS:bc

Enclosure

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

771400156

RECEIVED DOCUMENT  
PROCESSING UNIT

1971 MAY 19 PM 2 33

# LICENSEE EVENT REPORT

CONTROL BLOCK: [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

PLEASE PRINT ALL REQUIRED INFORMATION

LICENSEE NAME	LICENSE NUMBER	LICENSE TYPE	EVENT TYPE
01   T   L   D   R   S   2   14	15   0   0   -   0   0   0   0   0   0   -   0   0   25	26   4   1   1   1   1   30	31   0   3   32

CATEGORY	REPORT TYPE	REPORT SOURCE	DOCKET NUMBER	EVENT DATE	REPORT DATE
01   CON'T   57   58	T   59	L   60	61   0   5   0   -   0   2   3   7   68	69   0   4   1   3   7   7   74	75   0   5   1   3   7   7   80

**EVENT DESCRIPTION**

02	7	8	9	During normal operation, the ball isolation valve on "E" Traversing Incore Probe (TIP)						80
03	7	8	9	System Guide Tube failed to open from the Control Room as required during a surveillance						80
04	7	8	9	The remaining TIP ball valves were exercised satisfactorily per procedure DOS-1600-8.						80
05	7	8	9	Since the valve failed in the closed position, primary containment was not violated.						80
06	7	8	9	If the ball valve had failed in the open position, an operable squib detonated						80

SYSTEM CODE	CAUSE CODE	COMPONENT CODE	PRIME COMPONENT SUPPLIER	COMPONENT MANUFACTURER	VIOLATION
07   S   D   9   10	E   11	V   A   L   V   E   X   12   17	N   43	G   0   8   0   44   47	N   48

**CAUSE DESCRIPTION**

08	7	8	9	Failure occurred because of the buildup in the valve of material which apparently						80
09	7	8	9	rubbed off the TIP probe and wire drive. The material accumulated between the						80
10	7	8	9	moving parts of the valve and valve body, causing minor interference. (cont)						80

FACILITY STATUS	% POWER	OTHER STATUS	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION
11   E   9	10   0   7   3   12	13   NA	44   B   45	46   NA

FORM OF ACTIVITY RELEASED	CONTENT OF RELEASE	AMOUNT OF ACTIVITY	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION
12   Z   9	10   Z	11   NA	44   NA	45   NA

**PERSONNEL EXPOSURES**

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

**PERSONNEL INJURIES**

NUMBER	DESCRIPTION
14   0   0   0   7   8   9	11   NA

**OFFSITE CONSEQUENCES**

15	7	8	9	NA						80
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**LOSS OR DAMAGE TO FACILITY**

TYPE	DESCRIPTION
16   Z   7   8   9	10   NA

**PUBLICITY**

17	7	8	9	NA						80
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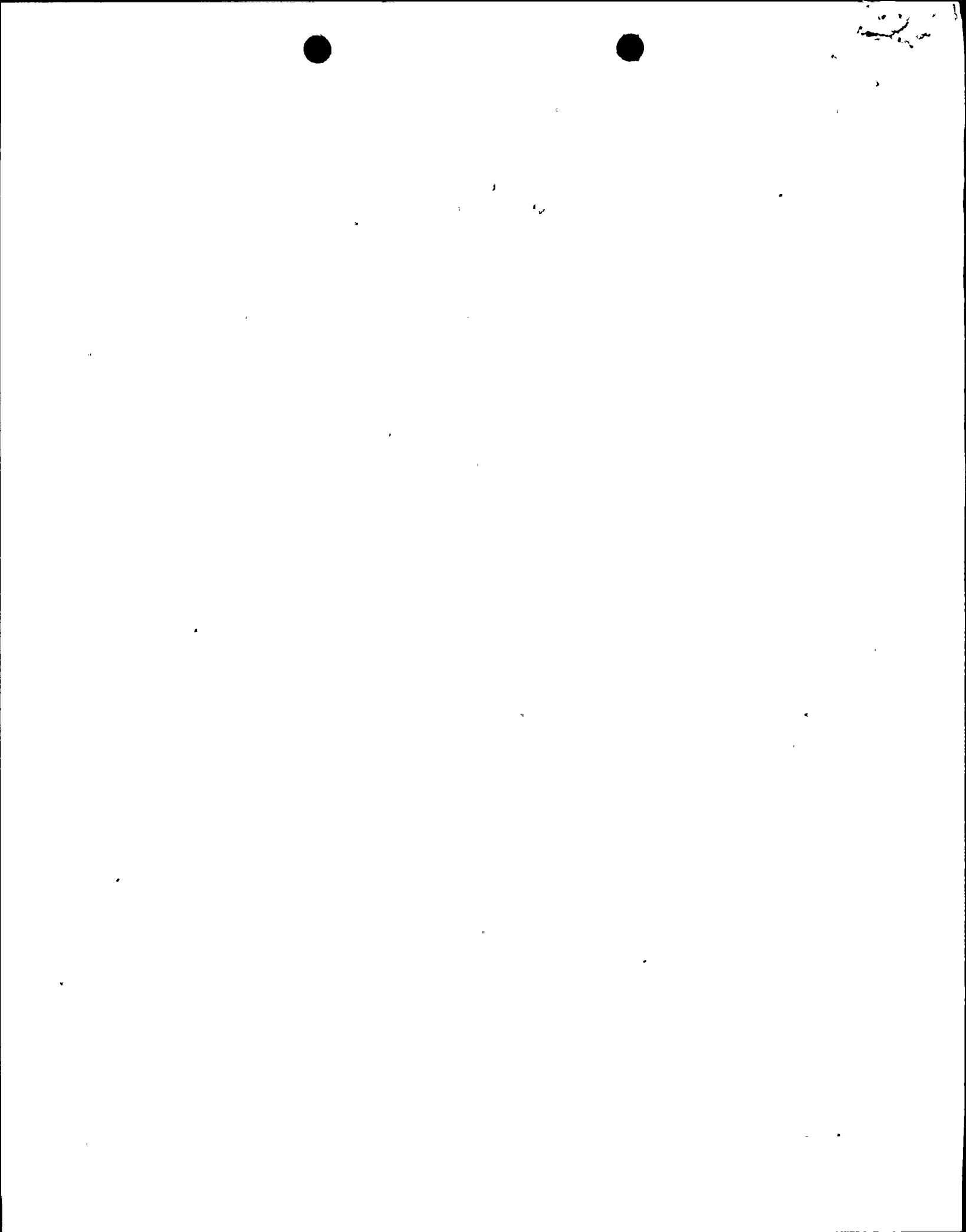
**ADDITIONAL FACTORS**

18	7	8	9	NA						80
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19	7	8	9							80
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NAME: Paul J. Kolbck

PHONE: Ext. 265



Event Description (cont)

shear valve would have been available as a backup to assure Primary Containment integrity. The TIP ball valves on both Dresden Units 2 and 3 were replaced with improved valves in 1975. This is the first failure of these valves since that modification (50-237/1977-17).

Cause Description (cont)

The valve was inspected and attempts were made to trouble shoot the problem. It was tested again but it continued to operate erratically. The valve was then replaced and the new valve tested satisfactorily. The valve is a 1/4 inch rotating ball, solenoid actuated, designed to seal against a 0-125 psig air-water mixture, manufactured by General Pneumatic Corporation, cat. no. 608 KWJ06 revision 3.

