

~~50-237~~ 50-237

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

814411

FILE NUMBER
INCIDENT REPORT

TO:

Mr. James G. Keppler

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

DATE OF DOCUMENT
4/29/77

DATE RECEIVED
5/23/77

LETTER
 ORIGINAL
 COPY

NOTORIZED
 UNCLASSIFIED

PROP INPUT FORM

NUMBER OF COPIES RECEIVED

1 signed

DESCRIPTION

DO NOT REMOVE
ACKNOWLEDGED

PLANT NAME:
Dresden Unit No. 2

RJL

(1-P)

ENCLOSURE

Licensee Event Report (RO 50-237/1977-15) on 4/2/77 concerning control rod drive L-5 being found to uncouple and overtravel when withdrawn to position 48....

(2-P)

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

FOR ACTION/INFORMATION

BRANCH CHIEF:	ZIEMANN
W/3 CYS FOR ACTION	
LIC. ASST.:	DIGGS
W/1 CYS	
ACRS 16 CYS REPORT SENT	AS CAT B

INTERNAL DISTRIBUTION

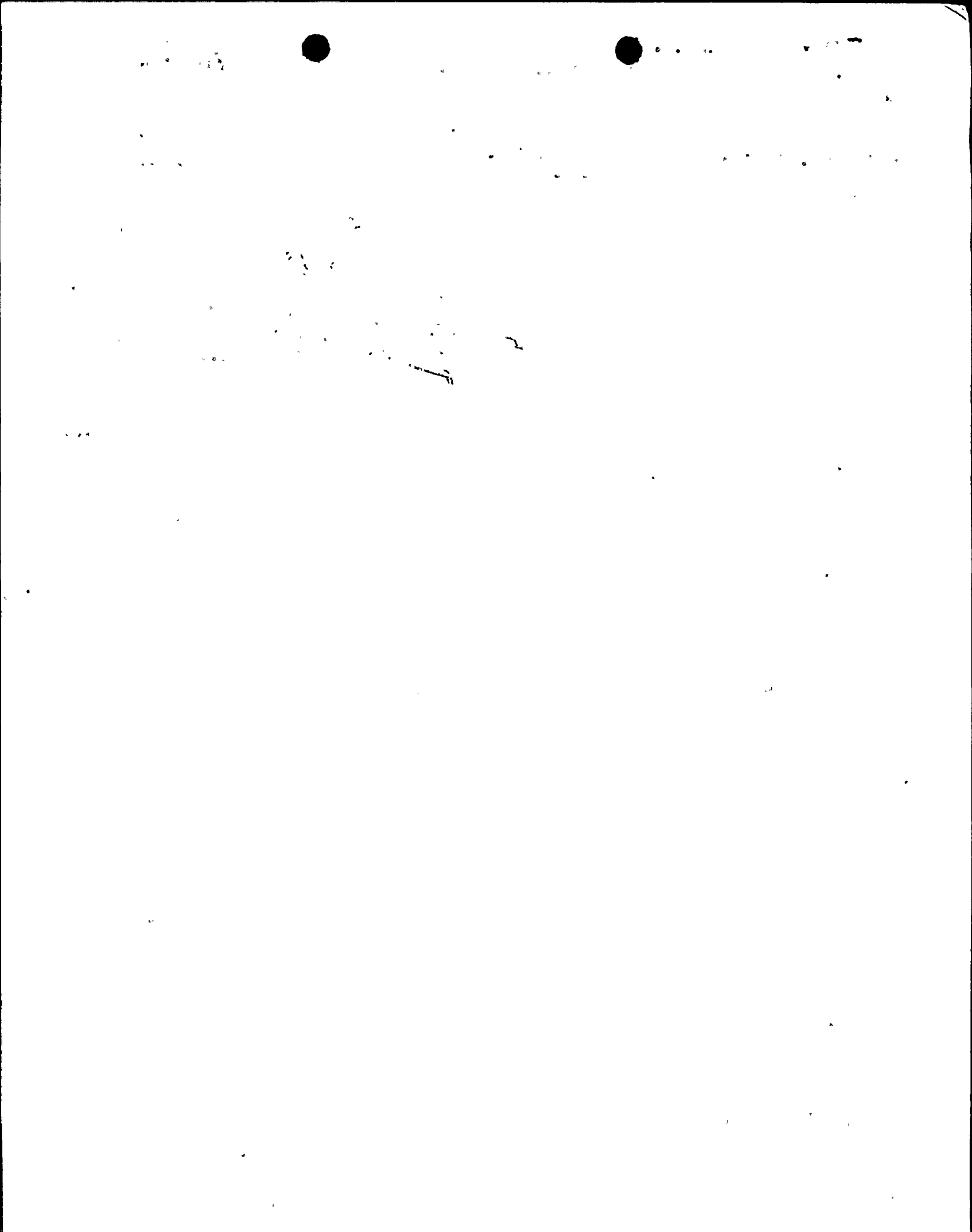
REG FILE			
NRC-PDR			
I & E (2)			
MIPC			
SCHROEDER/IPPOLITO			
HOUSTON			
NOVAK/CHECK			
GRIMES			
BUTLER			
HANAUER			
TEDESCO/MACCARY			
EISENHUT			
BAER			
SHAO			
VOLLMER/BUNGH			
KREGER/J. COLLINS			

EXTERNAL DISTRIBUTION

LPDR: MORRIS ILL.			
TIC:			
NSIC:			

CONTROL NUMBER

771440148





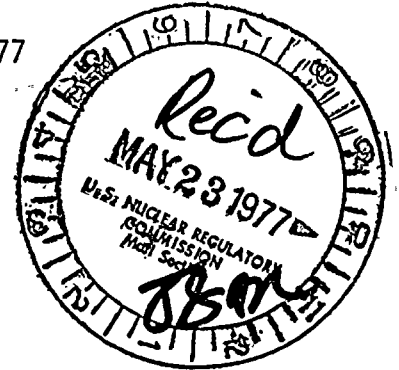
Commonwealth Edison
 Dresden Nuclear Power Station
 R.R. #1
 Morris, Illinois 60450
 Telephone 815/942-2920

D. Lantorn

BBS Ltr. # 77-379

April 29, 1977

Regulatory Docket File



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 50-237/1977-15. 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

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

771440118

MAY 4 1977



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LICENSEE EVENT REPORT

CONTROL BLOCK:

[PLEASE PRINT ALL REQUIRED INFORMATION]

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							31	32
LICENSEE NAME							LICENSE NUMBER								LICENSE TYPE					EVENT TYPE					

01	CONT		L	L	0	5	0	-	0	2	3	7	0	4	0	2	7	7	0	4	2	9	7	7	
7	8				57	58	59	60	61				68	69				74	75						80
CATEGORY		REPORT TYPE		REPORT SOURCE		DOCKET NUMBER						EVENT DATE					REPORT DATE								

EVENT DESCRIPTION

During routine start-up operations, control rod drive (CRD) L-5 was found to uncouple
 and overtravel when withdrawn to position 48. L-5 was immediately inserted and
 electrically disarmed. Reactor start-up operations were resumed after it had been
 determined that the position and core location of the L-5 control rod did not
 adversely affect core symmetry. At a reactor power level of approximately 30%, L-5

07	R	B	E	C	R	D	R	V	E	N	G	O	8	0	N	
7	8	9	10	11	12	13	14	15	16	17	43	44	45	46	47	48
SYSTEM CODE			CAUSE CODE		COMPONENT CODE					PRIME COMPONENT SUPPLIER		COMPONENT MANUFACTURER			VIOLATION	

CAUSE DESCRIPTION

Symptom and performance evaluations indicate that a loosened CRD inner filter may
 potentially cause the blade and drive to uncouple at the fully withdrawn position.
 Loosening of the filter may have resulted from a combination of improper installation

11	C	0	0	0	NA	A	NA			
7	8	9	10	11	12	13	44	45	46	80
FACILITY STATUS		% POWER			OTHER STATUS		METHOD OF DISCOVERY		DISCOVERY DESCRIPTION	

12	Z	Z	NA	NA	NA		
7	8	9	10	11	44	45	80
FORM OF ACTIVITY RELEASED		CONTENT OF RELEASE		AMOUNT OF ACTIVITY		LOCATION OF RELEASE	

PERSONNEL EXPOSURES

13	0	0	0	Z	NA	
7	8	9	11	12	13	80
NUMBER			TYPE	DESCRIPTION		

PERSONNEL INJURIES

14	0	0	0	NA	
7	8	9	11	12	80
NUMBER			DESCRIPTION		

OFFSITE CONSEQUENCES

NA

LOSS OR DAMAGE TO FACILITY

16	Z	NA		
7	8	9	10	80
TYPE		DESCRIPTION		

PUBLICITY

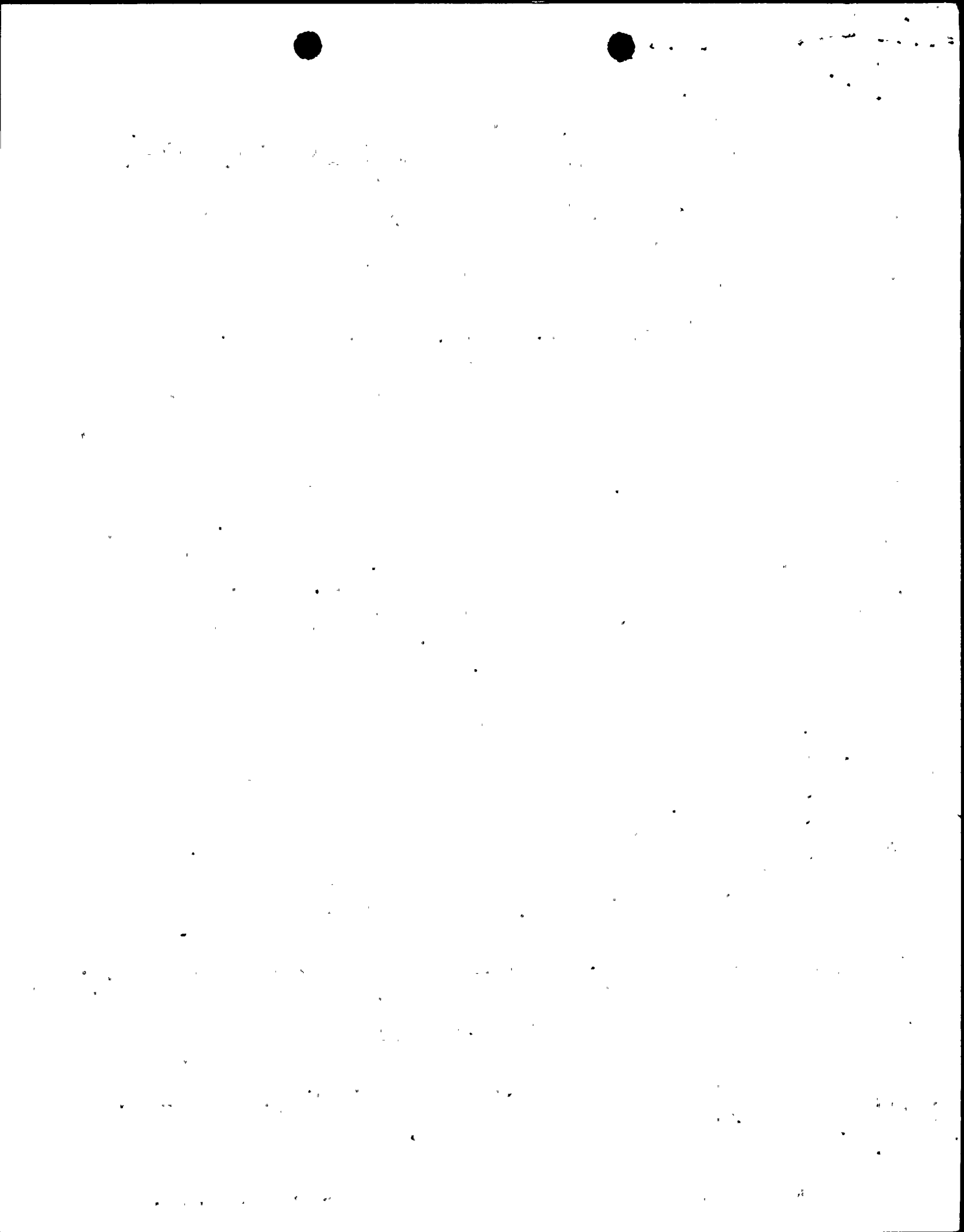
NA

ADDITIONAL FACTORS

NA

NAME: Robert Herbert

PHONE: Ext. 265



EVENT DESCRIPTION (continued)

was withdrawn to position 48 and checked for overtravel. The overtravel check proved satisfactory, verifying that CRD L-5 was recoupled and operable.
(50-237/1977-15)

CAUSE DESCRIPTION (continued)

and latching spring fatigue. It has been determined that a loosened filter cannot exert sufficient pressure to uncouple the blade except when the drive is fully withdrawn to position 48; upon insertion, the blade and drive automatically recouple. Because the potential for uncoupling the blade exists only when the drive is fully withdrawn, the safety implications of this event are minimal.

As a precautionary measure, an operating order has been issued to ensure that a coupling check is performed whenever drive L-5 is withdrawn to position 48. During the next Unit-2 refueling outage, CRD L-5 will be disassembled and inspected. If another primary cause of failure is determined at that time, a supplemental report will be submitted. Control rod drive/blade uncoupling incidents have occurred several times in the past.

RECEIVED DOCUMENT
PROCESSING UNIT

1971 MAY 20 PM 1 56

JOB 1010-