

## NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER  
INCIDENT REPORT

TO:

FROM:

DATE OF DOCUMENT

DATE RECEIVED

☐ LETTER  
☐ ORIGINAL  
☐ COPY☐ NOTORIZED  
☐ UNCLASSIFIED

PROP

INPUT FORM

NUMBER OF COPIES RECEIVED

DESCRIPTION

ENCLOSURE

PLANT NAME:

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.:

*Dess*

W/7 CYS

ACRS /6 CYS HOLDING/SENT

*As CRTB*

## INTERNAL DISTRIBUTION

REG FILE

~~REG FILE~~

I &amp; E (2)

MIPC

SCHROEDER/IPPOLITO

HOUSTON

NOVAK/CHECK

GRIMES

CASE

BUTLER

HANAUER

TEDESCO/MACCARY

EISENHUT

BAER

SHAO

VOLLMER/BURCH

KREGER/J. COLLINS

## EXTERNAL DISTRIBUTION

LPDR: *Morris, J. J.*

TIC:

NSIC:

CONTROL NUMBER

*T*  
*770810314*



50-237

## NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER

TO: Mr James G. Keppler

FROM: Commonwealth Edison  
Morris Illinois 60459  
B. B. Stephenson

DATE OF DOCUMENT

03-14-77

DATE RECEIVED

03-21-77

☒ LETTER  
☐ ORIGINAL  
☒ COPY☐ NOTORIZED  
☒ UNCLASSIFIED

PROP.

INPUT FORM

NUMBER OF COPIES RECEIVED

1 CC

## DESCRIPTION

Ltr. Trans The Following:

( 1 page )

PLANT NAME: DRESDEN UNIT # 2  
jcm

## ENCLOSURE

Licensee Event Report (RO-50-237/77-3)  
on 02-14-77 concerning failure of APRM  
averaging card relay contact on Unit 3 due to  
reed relay contacts on relay K6 appeared to be  
physically separated....

( 2 pages )

**DO NOT REMOVE****ACKNOWLEDGED**

## SAFETY

## FOR ACTION/INFORMATION

## ENVIRO

ASSIGNED AD:

ASSIGNED AD:

BRANCH CHIEF:

BRANCH CHIEF:

PROJECT MANAGER:

PROJECT MANAGER:

LIC. ASST. :

LIC. ASST. :

## INTERNAL DISTRIBUTION

REG FILE

SYSTEMS SAFETY

PLANT SYSTEMS

SITE SAFETY &amp;

NRC PDR

HEINEMAN

TEDESCO

ENVIRO ANALYSIS

I. &amp; E

SCHROEDER

BENAROYA

DENTON &amp; MULLER

OELD

LAINAS

GOSSICK &amp; STAFF

ENGINEERING

IPPOLITO

ENVIRO TECH.

MIPC

MACARRY

KIRKWOOD

ERNST

CASE

BOSNAF

BALLARD

HANAUER

SIHWE.L

OPERATING REACTORS

YOUNGBLOOD

HARLESS

PAWLICKI

STELLO

SITE TECH.

PROJECT MANAGEMENT

REACTOR SAFETY

OPERATING TECH.

GAMMILL

BOYD

ROSS

EISENHUT

STEPP

P. COLLINS

NOVAK

SHAO

HULMAN

HOUSTON

ROSZTOCZY

BAER

PETERSON

CHECK

BUTLER

SITE ANALYSIS

MELTZ

GRIMES

VOLLMER

HELTEMES

AT &amp; I

BUNCH

SKOVHOLT

SALTZMAN

J. COLLINS

RUTBERG

KREGER

## EXTERNAL DISTRIBUTION

## CONTROL NUMBER

LPDR:

NAT. LAB:

BROOKHAVEN NAT. LAB.

TIC:

REG V. IE

ULRIKSON (ORNL)

NSIC:

LA PDR

ASLB:

CONSULTANTS:

ACRS

CYS HOLDING/SENT

770810314

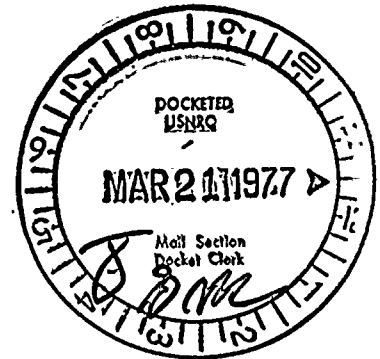
ACKNOWLEDGED  
DO NOT REMOVE



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

BBS Ltr. #77-214

March 14, 1977



*Regulatory Docket File*  
Mr. James G. Keppeler, 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 50-237/1977-3.  
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:jo

Enclosure

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

770810314



# LICENSEE EVENT REPORT

CONTROL BLOCK:

[PLEASE PRINT ALL REQUIRED INFORMATION]

LICENSEE NAME 01 I L D R S 2														LICENSE NUMBER 0 0 - 0 0 0 0 0 - 0 0														LICENSE TYPE 4 1 1 1 1				EVENT TYPE 0 3							
CATEGORY 01 CONT														REPORT TYPE L		REPORT SOURCE L		DOCKET NUMBER 0 5 0 - 0 2 3 7														EVENT DATE 0 2 1 4 7 7				REPORT DATE 0 3 1 6 7 7			

## EVENT DESCRIPTION

02	The discovery of an APRM averaging card relay contact failure on Unit-3 (R.O.																																																																															
03	report no. 50-249/1977-3) prompted an operability check of the corresponding																																																																															
04	relays on Unit-2. (50-237/1977-3)																																																																															
05																																																																																
06																																																																																

SYSTEM CODE I A				CAUSE CODE E		COMPONENT CODE R E L A Y X				PRIME COMPONENT SUPPLIER N		COMPONENT MANUFACTURER G O 8 0				VIOLATION N	
--------------------	--	--	--	-----------------	--	-------------------------------	--	--	--	-------------------------------	--	-----------------------------------	--	--	--	----------------	--

## CAUSE DESCRIPTION

08	During operability testing it was discovered that the reed relay contacts on																																																																															
09	relay K6 (which connects the LPRM 40-09C input to averaging circuit card Z30																																																																															
10	of APRM #3) appeared to be physically separated. As a result, upon coil																																																																															

(Continued)

FACILITY STATUS E		% POWER 0 9 4		OTHER STATUS NA		METHOD OF DISCOVERY C		DISCOVERY DESCRIPTION NA	
FORM OF ACTIVITY RELEASED Z		CONTENT OF RELEASE Z		AMOUNT OF ACTIVITY NA		LOCATION OF RELEASE NA			

## PERSONNEL EXPOSURES

13	NUMBER 0 0 0	TYPE Z	DESCRIPTION NA
----	-----------------	-----------	-------------------

## PERSONNEL INJURIES

14	NUMBER 0 0 0	DESCRIPTION NA
----	-----------------	-------------------

## OFFSITE CONSEQUENCES

15	NA
----	----

## LOSS OR DAMAGE TO FACILITY

16	TYPE Z	DESCRIPTION NA
----	-----------	-------------------

## PUBLICITY

17	NA
----	----

## ADDITIONAL FACTORS

18	NA
----	----

19	
----	--

NAME: Desi Santanna

PHONE: Ext. 465





CAUSE DESCRIPTION (Continued)

energization, the contacts closed but failed to touch one another, thus preventing the LPRM 40-09C input from entering the averaging circuitry of APRM-#3. Furthermore, 10 additional LPRM input-related relays on Unit-2 were found to exhibit higher-than-average contact resistance.

The failed reed relay contacts on relay K6 were replaced. As a matter of sound operating practice, the 10 relay contacts that indicated higher-than-average resistance were also replaced (all units are General Electric Co. type GE 176A1405P003 components). Since the APRM's on Unit-2 all retained more than the required number of LPRM inputs, this event was considered to be of little safety significance.

To ensure timely identification of any recurring failures, the Unit-2 APRM averaging card relays will be checked again in approximately one year's time. On 2/8/77, a similar relay failure was discovered on Unit-3.





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

BBS Ltr. #77-214

March 14, 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 50-237/1977-3.  
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:jo

Enclosure

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

MAR 18 1977



# LICENSEE EVENT REPORT

CONTROL BLOCK:

(PLEASE PRINT ALL REQUIRED INFORMATION)

LICENSEE NAME: 01 I L D R S 2  
 LICENSE NUMBER: 00-0000-0000  
 LICENSE TYPE: 41111  
 EVENT TYPE: 03

CONT: 01  
 CATEGORY: 57  
 REPORT TYPE: L  
 REPORT SOURCE: L  
 DOCKET NUMBER: 050-0237  
 EVENT DATE: 021477  
 REPORT DATE: 031677

## EVENT DESCRIPTION

02 The discovery of an APRM averaging card relay contact failure on Unit-3 (R.O.  
 03 report no. 50-249/1977-3) prompted an operability check of the corresponding  
 04 relays on Unit-2. (50-237/1977-3)  
 05  
 06

SYSTEM CODE: 07 I A  
 CAUSE CODE: E  
 COMPONENT CODE: R E L A Y X  
 PRIME COMPONENT SUPPLIER: N  
 COMPONENT MANUFACTURER: G O 8 0  
 VIOLATION: N

## CAUSE DESCRIPTION

08 During operability testing it was discovered that the reed relay contacts on  
 09 relay K6 (which connects the LPRM 40-09C input to averaging circuit card Z30  
 10 of APRM #3) appeared to be physically separated. As a result, upon coil  
 (Continued)

FACILITY STATUS: 11 E  
 % POWER: 094  
 OTHER STATUS: NA  
 METHOD OF DISCOVERY: C  
 DISCOVERY DESCRIPTION: NA

FORM OF ACTIVITY RELEASED: 12 Z  
 CONTENT OF RELEASE: Z  
 AMOUNT OF ACTIVITY: NA  
 LOCATION OF RELEASE: NA

## PERSONNEL EXPOSURES

13 NUMBER: 000 TYPE: Z DESCRIPTION: NA

## PERSONNEL INJURIES

14 NUMBER: 000 DESCRIPTION: NA

## OFFSITE CONSEQUENCES

15 NA

## LOSS OR DAMAGE TO FACILITY

16 TYPE: Z DESCRIPTION: NA

## PUBLICITY

17 NA

## ADDITIONAL FACTORS

18 NA

19

NAME: Desi Santanna

PHONE: Ext. 465



CAUSE DESCRIPTION (Continued)

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