

50-237

NRC DISTRIBUTION FOR INCIDENT 50 DOCKET MATERIAL

FILE NUMBER

INCIDENT REPORT

TO: J.G.KERPLER

FROM: COMMONWEALTH EDISON COM
MORRIS, ILLINOIS
B.B.STEPHENSON

DATE OF DOCUMENT

3/21/77

DATE RECEIVED

3/24/77

☐ LETTER
☐ ORIGINAL
☒ COPY☐ NOTORIZED
☒ UNCLASSIFIED

PROP

INPUT FORM

NUMBER OF COPIES RECEIVED

1 CY RECEIVED

DESCRIPTION

LTR. TRANS THE FOLLOWING.....

ACKNOWLEDGED (1P)

PLANT NAME: DRESDEN # 2

SAB

DO NOT REMOVE

ENCLOSURE

LICENSEE EVENT REPORT FOR R.O.# 77-9, ON 3/7/77
CONCERNING AN ATTEMPT THAT WAS MADE TO REPLACE A
BURNED-OUT INDICATING LIGHT BULB FOR THE FEED
BREAKER TO MOTOR CONTROL CENTER (MCC) 28-2...

(2P)

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 HOLDING/SENT

AS CAT B

INTERNAL DISTRIBUTION

REG FILE

NRC PDR

I & E (2)

MIPC

SCHROEDER/IPPOLITO

HOUSTON

NOVAK/CHECK

GRIMES

CASE

BUTLER

HANAUER

TEDESCO/MACCARY

EISENHUT

BAER

SHAO

VOLLMER/BUNCH

KREGER/J. COLLINS

EXTERNAL DISTRIBUTION

LPDR:

Moore, T. I.

TIC:

NSIC:

CONTROL NUMBER

770870115



12/1/77

12/1/77

12/1/77

12/1/77

12/1/77

12/1/77

12/1/77

12/1/77

12/1/77

12/1/77

12/1/77

12/1/77



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

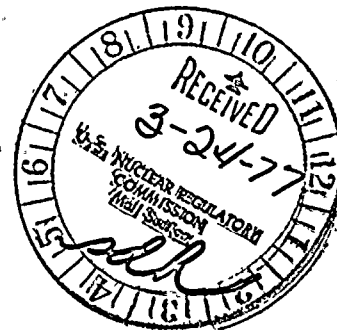
REGULATORY DOCUMENT FILE COPY

BBS Ltr. #77-231

March 21, 1977

REGULATORY DOCUMENT FILE COPY

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 50-237/1977-9.
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

770870115

~~770870115~~

[PLEASE PRINT ALL REQUIRED INFORMATION]

GPO 881-687

EVENT DESCRIPTION (Continued)

extraction steam to the feedwater heaters. The decreasing feedwater temperature caused reactor power to increase, which the unit operator effectively countered by inserting several control rods. Feedwater temperature decreased as much as 150°F before the heaters were returned to service.

The applicable reload license submittal analysis for Unit-2 assumed only a 100°F feedwater temperature loss (loss of a single heater string) to be the limiting cool water injection transient. Accordingly, the station promptly contacted General Electric to determine whether the critical power ratio (CPR) safety limit had been approached or exceeded during the transient. Based on the prevailing reactor conditions and the 100°F analysis, it was determined that no safety limit had been exceeded. This conclusion was upheld by the results of a bounding analysis of the event performed by the company's Nuclear Fuel Services department. NFS determined that a considerable margin had been maintained between minimum CPR and the safety limit.

Following the event, air ejector off-gas analyses were performed with increased frequency. No significant increases in off-gas activity were noted. A description of the occurrence was sent to General Electric for information. No further action was indicated. (50-237/1977-9)

CAUSE DESCRIPTION (Continued)

replaced, and normal feed was restored. No further action was considered appropriate.

RECEIVED DOCUMENT
PROCESSING UNIT

1977 MAR 25 PM 4 16



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

Lenham

BBS Ltr. #77-231

March 21, 1977

Mr. James G. Keppler, Regional Director
Directorate of Regulatory Operations - Region III
U. S. Nuclear Regulatory Commission
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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 23 1977

11/24/61

91

11/24/61

11/24/61

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				EVENT TYPE 0 1							
CATEGORY 01 CONT														REPORT TYPE T		REPORT SOURCE L		DOCKET NUMBER 0 5 0 - 0 2 3 7										EVENT DATE 0 3 0 7 7 7				REPORT DATE 0 3 2 1 7 7			

EVENT DESCRIPTION

02 During normal operation, an attempt was made to replace a burned-out indicating																																																																															
03 light bulb for the feed breaker to motor control center (MCC) 28-2. The light																																																																															
04 bulb shorted in its socket, tripping the feed to MCC 28-2. This indirectly																																																																															
05 removed the normal supply to RPS bus "B" (scram bus) and the instrument bus,																																																																															
06 which in turn resulted in various system responses, including the loss of all																																																																															

(Continued)

SYSTEM CODE 07 C H		CAUSE CODE F		COMPONENT CODE Z Z Z Z Z Z				PRIME COMPONENT SUPPLIER Z		COMPONENT MANUFACTURER Z 9 9 9				VIOLATION N	
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CAUSE DESCRIPTION

08 The light bulb glass apparently loosened from its base. When the operator tried																																																																															
09 to remove the bulb, the wires twisted together, shorting out the socket and																																																																															
10 energizing the main feed trip coil. The bulb and socket were subsequently																																																																															

(Continued)

FACILITY STATUS 11 E		% POWER 0 9 2		OTHER STATUS NA		METHOD OF DISCOVERY A		DISCOVERY DESCRIPTION NA	
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FORM OF ACTIVITY RELEASED 12 Z		CONTENT OF RELEASE Z		AMOUNT OF ACTIVITY NA		LOCATION OF RELEASE NA	
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PERSONNEL EXPOSURES

NUMBER 13 0 0 0		TYPE Z		DESCRIPTION NA	
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PERSONNEL INJURIES

NUMBER 14 0 0 0		DESCRIPTION NA	
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OFFSITE CONSEQUENCES

15 NA																																																																															
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LOSS OR DAMAGE TO FACILITY

TYPE 16 Z		DESCRIPTION NA	
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PUBLICITY

17 NA																																																																															
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ADDITIONAL FACTORS

18 NA																																																																															
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19																																																																															
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NAME: T. Rausch

PHONE: Ext. 266

100-111-120
100-111-120

EVENT DESCRIPTION (Continued)

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1000

(18)