

(PLEASE PRINT ALL REQUIRED INFORMATION)

| CONT | | CATEGORY | | REPORT TYPE | REPORT SOURCE | DOCKET NUMBER | | | | EVENT DATE | | | | REPORT DATE | | | | | | | | | | | | | | | | | | | |
|------|---|----------|----|-------------|---------------|---------------|---|---|---|------------|---|---|----|-------------|---|---|---|---|---|---|---|---|---|----|----|--|--|--|--|--|--|--|----|
| 0 | 1 | | | L | L | 0 | 5 | 0 | - | 0 | 2 | 3 | 7 | 0 | 9 | 3 | 0 | 7 | 6 | 1 | 0 | 2 | 8 | 7 | 6 | | | | | | | | |
| 7 | 8 | 57 | 58 | 59 | 60 | 61 | | | | | | | 68 | 69 | | | | | | | | | | 74 | 75 | | | | | | | | 80 |

| | | |
|-------|--|----------------------|
| 02 | UPON COMPLETION OF ROUTINE UNIT 2/3 DIESEL GENERATOR SURVEILLANCE | 80 |
| 03 | TESTING, THE CONTROL SWITCH WAS PLACED IN THE "STOP" POSITION. | 80 |
| 04 | THE GENERATOR OUTPUT SUBSEQUENTLY BECAME ERRATIC, THE GENERATOR | 80 |
| 05 | VOLTAGE BEGAN OSCILLATING, AND THE AC AND DC CURRENT METERS | 80 |
| 06 | WENT OFF-SCALE. THE UNIT-2 DIESEL GENERATOR WAS IMMEDIATELY VERIFIED | 80 |
| PRIME | | (SEE ATTACHED SHEET) |

CAUSE DESCRIPTION

| | | |
|----|---|----|
| 08 | THE DIESEL GENERATOR MALFUNCTION RESULTED FROM A SHORTED SELENIUM | 80 |
| 09 | RECTIFIER IN THE GENERATOR FIELD CIRCUIT. THE SHORT WAS APPARENTLY | 80 |
| 10 | CAUSED BY A GRADUAL BUILDUP OF DIRT BETWEEN THE PLATES OF THE RECTIFIER | 80 |

7 8 9

METHOD OF

(SEE ATTACHED SHEET) E

(SEE ATTACHED SHEET) EIT

| FACILITY STATUS | | % POWER | | OTHER STATUS | | METHOD OF DISCOVERY | | DISCOVERY DESCRIPTION | |
|-----------------|---|---------|----|--------------|----|---------------------|----|-----------------------|----|
| 11 | E | 096 | | NA | | B | | NA | |
| 7 | 8 | 9 | 10 | 12 | 13 | 44 | 45 | 46 | 60 |

| 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 | 60 |

| NUMBER | | | | TYPE | DESCRIPTION |
|--------|---|---|---|------|-------------|
| 1 | 3 | 0 | 0 | 0 | Z NA |

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

15 | *MA* |

| TYPE | | | DESCRIPTION |
|------|---|---|-------------|
| 1 | 3 | 2 | NA |

17 | NA

1 B NA PDR

19
7 8 9

PHONE EXT. 421

EVENT DESCRIPTION (Continued)

to be operable, as were the Unit-2 LPCI, core spray, and CCSW systems. Since the Unit-3 diesel generator was out of service at the time, all fuel movements were suspended on Unit-3, which was in a refueling outage. The diesel generator was manually shut down. This is not a repetitive occurrence, (50-237/1976-62)

CAUSE DESCRIPTION (Continued)

The rectifier failure evidently resulted in damage to a similar unit in the circuit. Both were replaced, and the Unit 2/3 diesel generator was successfully tested and returned to service.

Modification requests have been initiated to replace the rectifiers on all three diesel generators with physically larger units that have higher voltage ratings. Installation of these higher capacity units will provide a satisfactory long-term corrective action.

The rectifiers are model 300U80 selenium components manufactured by International Rectifier.



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CBS Ltr. #76-757

October 29, 1976

Mr. James G. Keppler, Regional Director
Directorate of Regulatory Operations - Region III
U. S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, Illinois 60137

REFERENCES: Docket No. 50-237
Docket No. 50-249

Enclosed please find Reportable Occurrence report number 50-237/1976-62.
This report is being submitted to your office in accordance with the Dresden
Nuclear Power Station Technical Specifications, Section 6.6.B.

for Arthur M. Pelicci
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

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