



Commonwealth Edison

Dresden Nuclear Power Station

R.R. #1

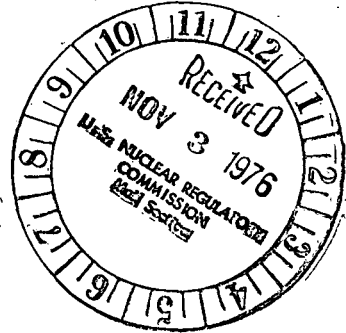
Morris, Illinois 60450

Telephone 815/942-2920

BBS 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. Roberts*  
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

REGULATORY DOCKET FILE COPY



11173

# LICENSEE EVENT REPORT

CONTROL BLOCK: 

--	--	--	--	--	--

(PLEASE PRINT ALL REQUIRED INFORMATION)

LICENSEE NAME: 

01	I	L	D	R	S	2
----	---	---	---	---	---	---

 LICENSE NUMBER: 

00	-	00	00	00	-	00
----	---	----	----	----	---	----

 LICENSE TYPE: 

4	1	1	1	1	1
---	---	---	---	---	---

 EVENT TYPE: 

0	3
---	---

REPORT TYPE: 

L
---

 REPORT SOURCE: 

L
---

 DOCKET NUMBER: 

05	0	-	02	3	7
----	---	---	----	---	---

 EVENT DATE: 

09	3	0	7	6
----	---	---	---	---

 REPORT DATE: 

1	0	2	8	7	6
---	---	---	---	---	---

EVENT DESCRIPTION

02
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 UPON COMPLETION OF ROUTINE UNIT 2/3 DIESEL GENERATOR SURVEILLANCE  

03
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 TESTING, THE CONTROL SWITCH WAS PLACED IN THE "STOP" POSITION.  

04
----

 THE GENERATOR OUTPUT SUBSEQUENTLY BECAME ERRATIC. THE GENERATOR  

05
----

 VOLTAGE BEGAN OSCILLATING, AND THE AC AND DC CURRENT METERS  

06
----

 WENT OFF-SCALE. THE UNIT-2 DIESEL GENERATOR WAS IMMEDIATELY VERIFIED  
(SEE ATTACHED SHEET)

SYSTEM CODE: 

E	E
---	---

 CAUSE CODE: 

E
---

 COMPONENT CODE: 

E	N	G	I	N	E
---	---	---	---	---	---

 PRIME COMPONENT SUPPLIER: 

A
---

 COMPONENT MANUFACTURER: 

W	0	9	7
---	---	---	---

 VIOLATION: 

Y
---

CAUSE DESCRIPTION

08
----

 THE DIESEL GENERATOR MALFUNCTION RESULTED FROM A SHORTED SELENIUM  

09
----

 RECTIFIER IN THE GENERATOR FIELD CIRCUIT. THE SHORT WAS APPARENTLY  

10
----

 CAUSED BY A GRADUAL BUILDUP OF DIRT BETWEEN THE PLATES OF THE RECTIFIER.  
(SEE ATTACHED SHEET)

FACILITY STATUS: 

E
---

 % POWER: 

0	9	6
---	---	---

 OTHER STATUS: 

NA
----

 METHOD OF DISCOVERY: 

B
---

 DISCOVERY DESCRIPTION: 

NA
----

FORM OF ACTIVITY RELEASED: 

Z
---

 CONTENT OF RELEASE: 

Z
---

 AMOUNT OF ACTIVITY: 

NA
----

 LOCATION OF RELEASE: 

NA
----

PERSONNEL EXPOSURES

NUMBER: 

0	0	0
---	---	---

 TYPE: 

Z
---

 DESCRIPTION: 

NA
----

PERSONNEL INJURIES

NUMBER: 

0	0	0
---	---	---

 DESCRIPTION: 

NA
----

OFFSITE CONSEQUENCES

15
----

NA
----

LOSS OR DAMAGE TO FACILITY

TYPE: 

Z
---

 DESCRIPTION: 

NA
----

PUBLICITY

17
----

NA
----

ADDITIONAL FACTORS

18
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NA
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19
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NAME: J. B. MARTIN

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.