

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

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7		8	LICENSEE CODE						14	15	LICENSE NUMBER						25	26	LICENSE TYPE				30	57	CAT	58				
<u>0</u>	<u>1</u>		REPORT			L	16	<u>0</u>	<u>5</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>3</u>	<u>6</u>	<u>8</u>	17	<u>1</u>	<u>1</u>	<u>0</u>	<u>9</u>	<u>8</u>	<u>3</u>	18	<u>0</u>	<u>3</u>	<u>0</u>	<u>7</u>	<u>8</u>	<u>4</u>	19
7		8	SOURCE			60	61	DOCKET NUMBER						68	69	EVENT DATE			74	75	REPORT DATE			80						

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10

On 11/9/83, while performing a routine surveillance during the refueling outage, Unit 2 diesel generator number 2 (2DG2) exhibited erratic performance. This occurrence is being reported for information to provide diesel generator reliability information. This occurrence is not reportable by Technical Specifications. Technical Specification 4.8.1.1.3 requires reporting of diesel generator failures but only applies for Modes 1, 2, 3 and 4. Reporting is not required in the specifications for Modes 5 and 6. Diesel generator 2DG1 remained operable.

[illegible]

## CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27

1 0 The cause was not conclusively determined, but appeared to be due to bad contacts on a droop relay in  
1 1 conjunction with less than optimum tuning of the governor controls. Investigation revealed that the  
1 2 surveillance testing for 2DG2 had been satisfactorily completed on 10/22/83 while in Mode 6. Also the station  
1 3 log indicated that 2DG2 had been successfully started and loaded on 11/1/83. On 11/9/83, 2DG2 load control  
1 4 problems were encountered. This problem only existed when the generator unit was paralleled. Operation on  
7 8 9

FACILITY STATUS				% POWER				OTHER STATUS				METHOD OF DISCOVERY				DISCOVERY DESCRIPTION			
1	5	128		0	0	0	29	NA				B	131			Routine Surveillance			
7	8	9		10	12			13		44		45		46				80	

ACTIVITY RELEASED		CONTENT OF RELEASE		AMOUNT OF ACTIVITY		LOCATION OF RELEASE	
1	6	2	34	NA	35	NA	36
7	8	9	10	11	44	45	80

PERSONNEL EXPOSURES									
NUMBER				TYPE		DESCRIPTION			
1	7	0	0	0	37	Z	38	NA	
7	8	9	11	12	13				139

PERSONNEL INJURIES										80
NUMBER					DESCRIPTION					
1	1	8	1	0	0	0	140	1	NA	141
7		8	9			11	12			80

LOSS OF OR DAMAGE TO FACILITY		80
TYPE	DESCRIPTION	
1 9	Z 142 NA	143

[illegible]

NAME OF PREPARER: Patrick Rogers

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8403270258 840307  
PDR ADOCK 05000368  
S PDR

IE 22  
111

LER No. 50/368/83-050/29X-0

Occurrence Date: 11/09/83

Cause Description and Corrective Actions (Continued):

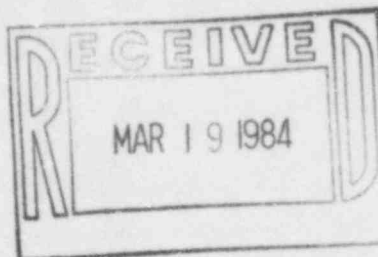
an isolated bus which would be encountered during accident conditions was not attempted at this time. Trouble shooting efforts consisting of testing, setting adjustments, and parts replacements were performed until 11/15/83 when the 18 months preventative maintenance (PM) was begun. Rotor winding damage was noted during the PM. 2DG2 was started after completion of PM and the load control problem still existed. The droop relay in the governor circuitry was replaced. Fine tuning of droop gain and stability was performed, and the needle valve in the governor actuator was adjusted. The 18 month surveillance test was performed successfully on 12/24/83. It should be noted that the diesel generator was stable when loaded as long as the unit was on an isolated bus and not subject to grid variations. It is believed that 2DG2 would have fulfilled its requirements in the event of an accident.



ARKANSAS POWER & LIGHT COMPANY

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March 7, 1984



2CAN038405

Mr. Richard P. Denise, Director  
Division of Resident Reactor Projects  
and Engineering Programs  
U. S. Nuclear Regulatory Commission  
Region IV  
611 Ryan Plaza Drive, Suite 1000  
Arlington, TX 76011

Subject: Arkansas Nuclear One - Unit 2  
Docket No. 50-368  
License No. NPF-6  
Licensee Event Report  
No. 83-050/99X-0

Gentlemen:

Attached is the subject report concerning erratic performance of diesel generator Number 2 (2DG2). This occurrence is being reported to provide diesel generator reliability information only and is not reportable by Arkansas Nuclear One - Unit 2 Technical Specification.

Very truly yours,

John R. Marshall  
Manager, Licensing

JRM:RJS:s1

Attachment

cc: Mr. Richard C. DeYoung  
Office of Inspection and Enforcement  
U. S. Nuclear Regulatory Commission  
Washington, DC 20555

Mr. Norman M. Haller, Director  
Office of Management & Program Analysis  
U. S. Nuclear Regulatory Commission  
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