

LICENSEE EVENT REPORT

Attachment to AECM-83/0460

Page 1 of 2

CONTROL BLOCK:

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(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

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EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

On July 18, 1983, during performance of the Div. II Standby D/G Air Start Receiver Capacity Test (18 Mo. functional), air start solenoid valve F508C failed to operate resulting in the diesel's failure to start. Three air lines which normally supply air to the air start header were manually isolated to obtain ISI data concurrently with the test. This left valve F508C the only pathway for air supply from the receivers to the cylinders. This is reported pursuant to T.S.4.8.1.1.3.

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CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

Solenoid valve F508C failed due to an open circuit coil on the solenoid. The valve was replaced. The three solenoid valves on the other air supply lines were checked and found operative. An LCO was entered per T.S.3.8.1.2 due to Division I also being inoperable. This is submitted as a final report.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
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NAME OF PREPARER

Ron Byrd

PHONE

NRC USE ONLY

SUPPLEMENTARY INFORMATION TO
LER 83-098/03 L-0

Mississippi Power & Light Company
Grand Gulf Nuclear Station - Unit 1
Docket No. 50-416

Technical Specification Involved: 3.8.1.2
Reported Under Technical Specification: 6.9.1.13.b

Event Narrative:

On July 18, 1983, while performing the eighteen (18) month Standby Diesel Generator 12 air start receiver capacity test of Technical Specification 4.8.1.1.2.d.13, air start solenoid valve F508C failed to operate. This resulted in the diesel's failure to start since the other three air lines which normally supply air to the air start headers were manually isolated in accordance with testing instructions. This was done to obtain inservice inspection data on those valves while performing the test. During normal system configuration, a single failure of an air start solenoid would not prevent system operation.

Division I Diesel Generator was inoperable at that time due to the Load Shedding and Sequencing system failure discussed in LER 83-083. A Limiting Condition for Operation was therefore entered pursuant to Technical Specification 3.8.1.2. The cause of the failed solenoid was due to an open circuit coil. The solenoid valve was replaced. The three solenoid valves on the other supply lines were checked and found operable. The manufacturer is Calcon.

The failure is considered an invalid failure as the system was not in the normal system lineup, i.e., the redundant air supply lines were isolated from the header. This is submitted as a final report.



MISSISSIPPI POWER & LIGHT COMPANY

Helping Build Mississippi

P. O. BOX 1640 JACKSON, MISSISSIPPI 39205

NUCLEAR PRODUCTION DEPARTMENT

Office of Inspection & Enforcement
U. S. Nuclear Regulatory Commission
Region II
101 Marietta St., N.W., Suite 2900
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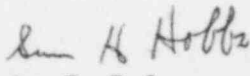
Attention: Mr. J. P. O'Reilly, Regional Administrator

Dear Mr. O'Reilly:

SUBJECT: Grand Gulf Nuclear Station
Unit 1
Docket No. 50-416
License No. NPF-13
File 0260/L-835.0
Air Start Solenoid Valve Fails
to Operate Resulting in a
Diesel Failure to Start
LER 83-098/03 L-0
AECM-83/0460

On July 18, 1983, during performance of the Division II Standby Diesel Generator Air Start Receiver Capacity Test, air start solenoid valve F508C failed to operate resulting in the diesel's failure to start. Three air lines which normally supply air to the air start header were manually isolated to obtain inservice inspection data concurrently with the test. This left valve F508C the only pathway for air supply from the receivers to the cylinder. A Limiting Condition for Operation was entered per Technical Specification 3.8.1.2 due to the Division I Diesel Generator being inoperable at the time. The event is reported pursuant to Technical Specification 4.8.1.1.3 and 6.9.1.13.b. Attached is LER 83-098/03 L-0 with Supplementary Information.

Yours truly,


for L. F. Dale
Manager of Nuclear Services

EBS/SHH:sap
Attachment

cc: (See Next Page)

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MISSISSIPPI POWER & LIGHT COMPANY

cc: Mr. J. B. Richard (w/a)
Mr. R. B. McGehee (w/o)
Mr. T. B. Conner (w/o)
Mr. G. B. Taylor (w/o)

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