

Attachment to AECM-83/0458

PE ALL REQUIRED INFORMATION)

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

CON'T

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

08 | 80

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

7 8 9 80

ACTIVITY CONTENT 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26

PERSONNEL EXPOSURESPERSONNEL INJURIES

LOSS OF OR DAMAGE TO FACILITY (A2) 17-22

PDP 11/0300 05000414 NRC USE ONLY

PHONE:

SUPPLEMENTARY INFORMATION TO  
LER 82-050/99 X-1

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

Technical Specification Involved: 3.3.7.9  
Reported Under Technical Specification: 6.9.2

Event Narrative:

This is an update to a previous report submitted on September 13, 1982. The event for which the report was submitted is described in the following paragraph.

On August 6, 1982, fire detection zone 2-10 went into an alarm condition and would not clear. A fire watch was established by operations. This condition has been encountered several times since the system was placed into service. Zone 2-10 includes the flame detectors in the HPCS D/G room and the ionization smoke detectors in the corridor between the D/G building and the Auxiliary Building. Each time this zone has gone into an alarm condition and would not clear it was found that the ionization detector needed to be cleaned. Investigation revealed that diesel exhaust fumes are drifting into the corridor and contaminating the ionization detectors. For this reason a design change (DCP 82/572) has been submitted to change the ionization detectors to flame detectors which are not sensitive to dust or fumes.

The change is expected to be implemented by the first refueling outage following commercial operation. This is submitted as a final report.



# MISSISSIPPI POWER & LIGHT COMPANY

*Helping Build Mississippi*

P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

August 29, 1983

NUCLEAR PRODUCTION DEPARTMENT

03 SEP 6 48:55  
REGION II  
ATLANTA, GEORGIA

U. S. Nuclear Regulatory Commission  
Region II  
101 Marietta St., N.W., Suite 2900  
Atlanta, Georgia 30303

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  
Update Report - Smoke Detector  
Inoperability  
LER 82-050/99 X-1  
AECM-83/0498

This letter submits an update to a previous report submitted on September 13, 1982. The event for which the report was submitted occurred on August 6, 1982, when the early fire detection system in the diesel generator room and fresh air corridor progressed into the alarm state and would not clear. No smoke or fire was revealed upon investigation. The event was reported pursuant to Technical Specification 6.9.2.

A Design Change has been submitted to replace these detectors with flame detectors which are not sensitive to dust or dirt. The change is expected to be implemented by the first refueling outage following commercial operation. Attached is LER 82-050/99 X-1 which is a final report.

Yours truly,

*L. F. Dale*

*for*

L. F. Dale  
Manager of Nuclear Services

EBS/SHH:sap  
Attachment

cc: (See Next Page)

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1622

MISSISSIPPI POWER & LIGHT COMPANY

AECM-83/0498

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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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