



MISSISSIPPI POWER & LIGHT COMPANY

Helping Build Mississippi

P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

February 2, 1984

NUCLEAR PRODUCTION DEPARTMENT

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

Special Report 83-116/0 -

Smoke Detectors in Zone 2-7
and 1-4 Alarmed and Would
Not Reset

AECM-84/0058

On December 20, 1983, smoke detectors in Zone 2-7 and 1-4 were in alarm and would not reset. Fire watches were established in accordance with Technical Specification 3.3.7.9.

The cause is due to the accumulation of dust particles on the ionization detectors. Maintenance personnel cleaned the detectors and performed a functional check. Two detectors which could not be cleaned in the field were replaced and are awaiting disassembly for cleaning or repair as necessary. The zones were reset and restored to operability on January 6 and 9, 1984.

This is reported as a Special Report pursuant to Technical Specification 6.9.2 since the fourteen (14) day Limiting Condition for Operation was exceeded. The event had no effect on the health and safety of the public and did not constitute a threat to plant safety. This is a final report.

Yours truly,

for L. F. Dale
Manager of Nuclear Services

EBS/SHH:sad

cc: (See Next Page)

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cc: Mr. J. B. Richard
Mr. R. B. McGehee
Mr. T. B. Conner
Mr. G. B. Taylor

Mr. Richard C. DeYoung, Director
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