



MISSISSIPPI POWER & LIGHT COMPANY

Helping Build Mississippi

P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

34 MAR 14 A 8 37, 1984

NUCLEAR PRODUCTION DEPARTMENT

U.S. Nuclear Regulatory Commission
Region II
101 Marietta Street, 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 84-013/0 -
Smoke Detectors in Zone 2-10
Inoperable
AECM-84/0157

On January 27, 1984, smoke detectors in zone 2-10 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. The zone was reset and restored to operability on February 10, 1984.

A similar incident was reported in LER 82-050/99 X-0. At that time a design change was initiated to replace the smoke detectors with detectors not as susceptible to dust. Implementation is expected by the first refueling outage.

This is reported as a Special Report pursuant to Technical Specification 6.9.2 since the fourteen (14) day Limiting Condition for Operation (LCO) 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,

L. F. Dale
Manager of Nuclear Services

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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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