



MISSISSIPPI POWER & LIGHT COMPANY

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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 83-067/0 -
Accelerographs Used for
Seismic Monitoring
Discovered Damaged
AECM-83/0472

During scheduled surveillance on the four pipe mounted triaxial peak recording accelerographs used for seismic monitoring, it was discovered the instruments had been damaged due to over-ranging. The range of the instruments is .01 to 2g. The range is too low to compensate for normal pipe movement and vibration.

The instrument on the HPCS spray line (Technical Specification 3.7.7.2-1.2.j) was found damaged July 4, 1983, and replaced July 13, 1983. The LPCS spray line instrument (Technical Specification 3.3.7.2-1.2.i) was found damaged July 5, 1983, and replaced July 13, 1983.

The instruments on the reactor recirculation and main steam piping were found damaged on July 12, 1983. New instruments have been ordered and are expected to be installed and calibrated prior to August 26, 1983.

A Design Change, Technical Specification Change, and Final Safety Analysis Report Change is being prepared to (1) delete three of the above four instruments as allowed by Regulatory Guide 1.12 and ANSI N18.5, and (2) to increase the range from .01 to 2g to .01 to 10g. The higher range instrument will not be installed until all required documentation is approved. The increased range will prevent normal pipe movement and vibration from over-ranging and damaging the instrument. This is reported pursuant to Technical Specification 3.3.7.2.a. The event had no affect on the health and safety of the public and did not constitute a threat to plant safety.

Yours truly,

L. F. Dale

for L. F. Dale
Manager of Nuclear Services

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cc: (See Next Page)

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MISSISSIPPI POWER & LIGHT COMPANY

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

Mr. Richard C. DeYoung, Director
Office of Inspection & Enforcement
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

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