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February 14, 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 83-067/2 - Update
Report - Accelerographs Used for
Seismic Monitoring Discovered
Damaged
AECM-84/0041

This is an update to previous reports submitted August 19, 1983 and September 23, 1983. The conditions for which the reports were submitted are described in the following paragraphs.

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 3.3.7.2-1.2.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 were installed and calibrated on August 26, 1983.

Changes to the design, Technical Specifications, and Final Safety Analysis Report are being prepared to (1) delete three of the above four instruments as allowed by Regulatory Guide 1.12 and ANS 2.2 and (2) to increase the range from .01 to 2g to .01 to 10g. The higher range instrument will not be installed until the Technical Specification change is approved.

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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 effect on the health and safety of the public and did not constitute a threat to plant safety. Corrective action is expected to be completed by May 1, 1984.

Yours truly,

L. F. Dale

L. F. Dale
L. F. Dale
Manager of Nuclear Services

EBS/SHH:rg
Attachment

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)

Mr. Richard C. DeYoung, Director (w/a)
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