



# MISSISSIPPI POWER & LIGHT COMPANY

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P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

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October 1, 1984

## NUCLEAR LICENSING & SAFETY DEPARTMENT

U.S. Nuclear Regulatory Commission  
Region II  
101 Marietta St., N.W., Suite 2900  
Atlanta, Georgia 30323

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 84-035/0, Sealed  
Source Leakage  
AECM-84/0460

On September 12, 1984, while performing a routine calibration check of a portable instrument, a 152 microcurie calibration source was found to be leaking. The leakage was a result of a breached mylar coating on the sealed calibration source. The amount of removable contamination that was discovered was 0.008 microcuries, which is greater than the Technical Specification 4.7.5.3 limit of 0.005 microcuries. The source was disposed of as radwaste per Technical Specification 3.7.5. The source lockers were inspected for defective sources and contamination and neither was found. This is a final report.

Yours truly,

*L. F. Dale*

*for* L. F. Dale  
Director

EBS/SHH:rg

cc: Mr. J. B. Richard  
Mr. R. B. McGehee  
Mr. N. S. Reynolds  
Mr. G. B. Taylor

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