



# MISSISSIPPI POWER & LIGHT COMPANY

*Helping Build Mississippi*

P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

February 25, 1985

NUCLEAR LICENSING & SAFETY DEPARTMENT

U. S. Nuclear Regulatory Commission  
Office of Nuclear Reactor Regulations  
Washington, D. C. 20555

Attention: Mr. Harold R. Denton, Director

Dear Mr. Denton:

SUBJECT: Grand Gulf Nuclear Station  
Unit 2  
Docket No. 50-417  
License No. NPF-29  
File: 0260/15320  
Transmittal of Environmental  
Protection Program Report for  
Six Months Ending December 31,  
1984  
AECM-85/2-0003

Attached is a report entitled "Summary of Environmental Protection Program Respecting Construction of Grand Gulf Nuclear Station for Six Months ending December 31, 1984." This report is submitted as required by Staff Exhibit 2-A referenced in Subsection 3.E.1 of Applicants Construction Permit No. CPPR-119.

Please contact me if you have any questions concerning this report.

Yours truly,

L. F. Dale  
Director

LFD/CLT:ay

Attachment

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PDR ADOCK 05000417  
R PDR

cc: Mr. J. B. Richard (w/a)  
Mr. R. B. McGehee (w/a)

Mr. N. S. Reynolds (w/a)  
Mr. G. B. Taylor (w/a)

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

Dr. J. Nelson Grace, Regional Administrator (w/a)  
U. S. Nuclear Regulatory Commission  
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101 Marietta St., N. W., Suite 2900  
Atlanta, Georgia 30323

Member Middle South Utilities System

Boo!  
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Summary of Environmental Protection Program  
Respecting Construction of Grand Gulf Nuclear Station (GGNS)  
for Six Months Ending December 31, 1984

CONSTRUCTION HIGHLIGHTS

- o Construction of Unit 2 is 33.8% complete. There was limited construction on GGNS Unit 2 during the reporting period principally for the purpose of protecting the Company's investment.
- o Work on the Hazardous Waste Storage Area was completed during the reporting period.

VEHICULAR MOVEMENT

- o No "off limit" violations were observed during the reporting period.

DUST CONTROL

- o No dust control violations were observed during the reporting period.

SMOKE CONTROL

- o Two smoke control violations occurred during the reporting period. Plastic bags being burned caused high particulate emissions. Burn pit personnel were instructed to mix trash and plastic bags to prevent this problem.

EROSION CONTROL

- o Rainfall was recorded on 46 separate occasions during the reporting period, with an accumulated rainfall of 38.28 inches. Runoff samples were collected on 17 of these instances and returned to the Environmental Surveillance Laboratory for suspended solids analysis. The results of these analyses indicated that no adverse levels of sediment are being deposited in the floodplains. Total rainfall for 1984 was 67.29 inches.

CHEMICAL AND SOLID WASTE CONTROL

- o A total of 594 drums of nonhazardous waste material was disposed of onsite during the reporting period.
- o Eighteen drums of hazardous waste were shipped to a Hazardous Waste Disposal Facility in Emelle, Alabama. Fifteen drums contained metal cleaning solutions and three drums contained PVC cement.

#### NOISE CONTROL

- o No obviously excessive noise levels were detected during the reporting period.

#### SEDIMENT BASINS A & B

- o No problems were encountered with the Basins during the reporting period.

#### REGIONAL GROUNDWATER DEWATERING

- o The 12 regional groundwater wells were read during the reporting period. Minor changes occurred in OW-4, OW-4A and OW-202. Significant changes occurred in OW-10. The top-of-casing elevation for OW-10 is at ground level and heavy rainfall allows an influx of water resulting in significant increases in elevation. Consequently, during dry periods, the elevation in well OW-10 stabilizes and frequently shows significant decreases. Plans have been made to reset an elevated casing to prevent infiltration from heavy rains.
- o The fifteen perched aquifer wells were read on a routine basis with only one significant change. Well MW-7 had a decrease of five feet during a dry period in August.

#### VEGETATION

- o No vegetational abnormalities were observed during the reporting period.
- o Clearing of MP&L land for the access road right-of-way to the new Claiborne County port was completed during the period. Construction of this road was also completed during the reporting period.
- o Clipping of open fields and fringe areas was completed during the reporting period.
- o Winter food plots were planted in strategically located areas during the reporting period.

#### TRANSMISSION LINES

- o A semiannual aerial survey of GGNS associated transmission lines was conducted during the reporting period. No major erosion areas were observed.
- o The Baxter-Wilson Line has recently been recleared.