

Summary of Environmental Protection Program
Respecting Construction of Grand Gulf Nuclear Station (GGNS)
for Six Months Ending December 31, 1985

Construction Highlights

- Construction on Unit 2 is 33.8% complete. There was no construction on GGNS Unit 2 during the reporting period. All activity on Unit 2 continued to be for the purpose of protecting the Company's investment.

Vehicular Movement

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

Dust Control

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

Smoke Control

- Three smoke control violations occurred during the six-month reporting period.

Wet trash burning on two occasions caused high particulate emissions. Construction personnel were asked not to ignite a fire if the material to be burned was saturated. The third violation occurred when an excessive number of polyethylene bags were burned. Personnel present at the burn pit when the violation was detected were informed of the guidelines for burning the polyethylene.

Correspondence that outlines the proper guidelines for Construction personnel to burn trash is forthcoming.

Erosion Control

- Rainfall was recorded on 44 occasions during the reporting period, with an accumulated rainfall of 34.91 inches. Total rainfall for the calendar year 1985 was 60.06 inches, which is slightly above average. No adverse environmental effects occurred from the rainfall, because the entire site is stabilized from construction efforts.

Chemical & Solid Waste Control

- A total of 5 drums of hazardous waste were in storage in the Hazardous Waste Storage Facility on December 31, 1985. Four shipments of hazardous waste, totalling 142 drums, were made during the reporting period. Both shipments went to Chemical Waste Management in Emelle, Alabama.
- There were 366 drums of non-hazardous waste disposed of on site during the reporting period.

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Noise Control

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

Sediment Basins A & B

- A fish kill occurred in Sediment Basin "B" in November. A detailed account of the fish kill was transmitted to the Mississippi Department of Natural Resources via correspondence identified as APO-85/1248.

Regional Groundwater Dewatering Wells

- The 12 regional groundwater wells were read 13 times during the reporting period. Fluctuations in water levels could be attributed to rising and falling Mississippi River water levels.
- The perched aquifer wells were read monthly during the reporting period, with only one problem area noted. The water level for Dewatering Well #8 (DW-8) exceeded the design basis groundwater level of 109.0 feet above mean sea level (MSL) in November and December. The pump and conductivity probe controllers were replaced, and well operability and function were returned to normal levels in early January 1986. A detailed description of this problem can be found in AECM-86/0002.

Vegetation Survey

- Peach trees in the GGNS orchard were observed to be distressed during the reporting period. Analysis of leaf and soil samples by Mississippi Cooperative Extension Services (MCES) indicated the cause to be scale infestation. MCES's suggestions to spray and fertilize are being implemented to correct this situation.

Transmission Lines

- Aerial surveys of the transmission lines associated with GGNS were conducted twice during the reporting period. The erosion problem at angle towers 192 and 193 identified in AECM-84/2-0014 still exists, but appears to be stable. The MP&L Engineering Department has determined that no action will be taken to correct the problem at this time as it is not affecting the physical structure of the towers. MP&L Engineering Department personnel and Radiological & Environmental Services staff will continue to monitor the area.
- Stabilization of soil and vegetation in transmission line right-of-ways has progressed well, and sufficient ground cover is now available to preclude future serious erosion problems. Past and present semiannual transmission line surveys have established the following:
 - (1) Construction practices were effective in minimizing environmental impact

- (2) Erosion and vehicular damage caused by hunting and logging encroachment over the years has been minimal and caused no lasting problems
- (3) Past remedial action required to control erosion has been effective.



MISSISSIPPI POWER & LIGHT COMPANY

Helping Build Mississippi

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January 31, 1986

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
Construction Permit No. CPPR-
119
File: 0260/15320
Transmittal of Environmental
Protection Program Report
of Six Months Ending
December 31, 1985
AECM-86/2-0007

Attached is a report entitled "Summary of Environmental Protection Program Respecting Construction of Grand Gulf Nuclear Station for Six Months Ending December 31, 1985." 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

MLC/JGC:vog
Attachment

cc: (See Next Page)

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cc: Mr. O. D. Kingsley, Jr. (w/a)
Mr. T. H. Cloninger (w/a)
Mr. R. B. McGehee (w/a)
Mr. N. S. Reynolds (w/a)
Mr. H. L. Thomas (w/a)
Mr. R. C. Butcher (w/a)

Mr. James M. Taylor, Director (w/a)
Office of Inspection & Enforcement
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Dr. J. Nelson Grace, Regional Administrator (w/a)
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