



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION II  
101 MARIETTA ST., N.W., SUITE 3100  
ATLANTA, GEORGIA 30303

Report No. 50-416/80-21

Licensee: Mississippi Power and Light Company  
Jackson, MS

Facility Name: Grand Gulf

Docket No. 50-416

License No. CPPR-118

Inspector: A. G. Wagner

10-21-80  
Date Signed

Accompanying Personnal: P. J. Kellogg, Section Chief, RPS No. 3  
R. C. Lewis, Acting Chief, RONS Branch

Approved by: P. J. Kellogg  
P. J. Kellogg, Section Chief, RP No. 3

10/22/80  
Date Signed

#### SUMMARY

Inspection on September 1-30, 1980

#### Areas Inspected

This routine, unannounced inspection involved 63 inspector-hours on site in the areas of preoperational test procedure review, and fuel storage license, in addition a meeting was held with local public officials.

#### Results

Of the two areas inspected, no items of noncompliance or deviations were identified.

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## DETAILS

### 1. Persons Contacted

#### Licensee Employees

- \*C. K. McCoy, Plant Manager
- \*C. R. Hutchinson, Startup Manager
- \*D. L. Hunt, Plant Quality Assurance Supervisor
- \*D. D. Cochran, Plant Quality Engineer
- J. W. Roberts, Assistant Startup Supervisor
- A. O. Hollis, Startup Group Leader
- R. A. McAnulty, Test Supervisor
- T. E. Simmons, Test Supervisor
- M. L. Hurstell, Test Supervisor

#### NRC Resident Inspector

L. W. Garner

\*Attended exit interview

### 2. Exit Interview

The inspection and findings were summarized on September 5, September 19, 1980 with those persons indicated in Paragraph 1 above. The licensee had no comments regarding the inspectors findings. The resident inspectors also attended the exit interview of T. Gibbons on September 5, 1980.

### 3. Licensee Action on Previous Inspection Findings

Not inspected.

### 4. Unresolved Items

Unresolved items are matters about which more information is required to determine whether they are acceptable or may involve noncompliance or deviations. New unresolved items identified during this inspection are discussed in paragraph 5.c.2.

### 5. Preoperational Test Procedure Review

Reviewed the following procedures for conformance to FSAR Sections 8.3, 9.2, 14.2 Q&R 423.13, IEEE Standard 450-1975, IEEE Standard 308-1971, Startup Manual 5000, 7000, Regulatory Guides 1.32, 1.6, and 1.68 with comments as noted.

- a. 1R20PT01, 480VAC Preoperational Test, approved 8/18/80.

No comments.

- b. 1P41PT01, Standby Service Water Preoperational Test, Preliminary Copy.

- (1) Open Item 416/80-21-01  
Test Objectives do not include objectives described in FSAR Section 14.2.12.1.26 (a)
- (2) Open Item 416/80-21-02  
Fuel Pool heat exchange flow is not verified to meet design flow requirements.
- (3) Open Item 416/80-21-03  
Standby Service Water Pumps are not checked for vortexing at minimum design level.
- (4) Open Item 416/80-21-04  
Procedure does not contain prerequisite to have Standby Service Water house ventilation available.
- (5) Open Item 416/80-21-05  
Standby Service Water pump head calculations data sheets are not complete.
- (6) Open Item 416/80-21-06  
Procedure does not require Standby Service Water pump head to be verified at design rated flow.
- (7) Open Item 416/80-21-07  
Procedure does not verify system flow rates to all components
- (8) Open Item 416/80-21-08  
The inspector noted that procedure takes baseline information but does not include all of the information required by Section XI of the ASME Boiler and Pressure Vessel Code.

- c. 1L21PT01, 125VDC ESF Batteries, Chargers, and Distribution, approved 6-3-80.

- (1) Open Item 416/80-21-09

The procedure does not require the use of the ESF and Battery Ventilation System as prerequisite as described in FSAR Section 14.2.12.1.39.

- (2) Unresolved Item 416/80-21-10

The procedure did not require the capacity test to be performed at a minimum of 125% rated value as required by FSAR Test Description 14.2.12.1.39 and FSAR Question and Response 423.13. This

item is considered unresolved pending review of acceptance criteria by the licensee and resolution of tolerance allowed by procedure.

6. Preoperational Testing Schedule

The inspector reviewed the status and scheduling of testing with a senior licensee management representative. The inspector periodically attended the Test Plan-of-the-Day meetings held to coordinate system testing.

7. Public Official Meeting

The inspector and other members of the Office of Inspection and Enforcement, Region II office met with various public officials of the city of Port Gibson, Mississippi and Claiborne County. The meeting was held in the Claiborne County Court House on September 29, 1980. The meeting was held to introduce the resident inspectors and explain the mission and purposes of the Nuclear Regulatory Commission as they relate to Grand Gulf Nuclear Station and the surrounding communities. The role of the resident inspectors was explained and questions concerning the program were answered.

8. Plant Tours

The inspector toured the plant areas at various times to observe construction activities, housekeeping, and equipment presentation and protection.

- a. On September 17, 1980 Standby Service Water pump Q1P41C001AA was marked with a sign indicating desiccant was installed. However, at the same time the pump was running with system in operation. Subsequent investigation by licensee revealed the desiccant material had been removed prior to placing pump in service.
- b. Open Item 416/80-21-11  
On September 17, 1980 the inspector observed a red danger tag laying in bottom of breaker panel 1BP25 in the Standby Service Water building. The tag was labeled for use on breaker 02. The status of referenced work permit CWPY47E2 was unknown.
- c. Open Item 416/80-21-12  
On September 23, 1980 the inspector noted four arc strike defects on scram accumulator piping for accumulators 3225HF, 2437FJ and 1237CJ. This piping has been previously flushed and hydrostatically tested.
- d. Open Item 416/80-21-13  
On September 23, 1980 the inspector observed construction workers working and storing heavy tools and materials in a safety related cable tray. The cable tray 1ABTMH44 is located in RHR "B" pump room.
- e. Other minor comments were discussed and resolved with senior licensee representatives.

It is the inspectors understanding from a senior licensee management representative that the open items identified in this report will be review by the licensee and appropriate corrective action will be taken. The inspector will review the corrective actions during a subsequent inspection.