



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

Report No. 50-416/82-11

Licensee: Mississippi Power and Light Company
 Jackson, MS 39205

Facility Name: Grand Gulf

Docket No. 50-416

License No. CPPR-118

Inspection at Grand Gulf site near Port Gibson, MS

Inspectors:	<u>A. H. Johnson</u>	<u>3/2/82</u>
	A. H. Johnson	Date Signed
	<u>M. Thomas</u>	<u>3/2/82</u>
	M. Thomas	Date Signed
	<u>R. C. Butcher for</u>	<u>3/3/82</u>
	R. C. Butcher	Date Signed

Accompanying Personnel: A. K. Hardin, RII
 K. E. Davenport, RII

Approved by:	<u>Frank Jape</u>	<u>3/2/82</u>
	F. Jape, Section Chief	Date Signed
	Technical Inspection Branch	
	Division of Engineering and Technical Programs	

SUMMARY

Inspection on February 8-11, 1982

Areas Inspected

This routine, unannounced inspection involved 84 inspector-hours on site in the areas of preoperational test procedure review, preoperational test witnessing, review of outstanding items, and review of Field drawings (as-built) versus the FSAR.

Results

Of the four areas inspected, no violations or deviations were identified.

REPORT DETAILS

1. Persons Contacted

Licensee Employees

- *C. K. McCoy, Plant Manager
- *J. W. Yelverton, QA Supervisor
- *J. C. Roberts, Startup Supervisor
- *J. C. Bell, QA Representative
- *M. A. Lacey, QA Representative
- A. M. Curdy, Plant Staff
- J. G. Cesare, Corporate Supervisor of Licensing
- P. J. Richardson, Corporate Licensing Assistant
- G. Johnson, Plant Staff Licensing

Other licensee employees contacted included startup engineers, technicians, operators, electricians, and security force members.

Nuclear Regulatory Commission

- *A. K. Hardin, NRC Acting Section Chief
- *T. R. Collins, NRC Inspector
- *A. G. Wagner, Resident Inspector

*Attended exit interview

2. Exit Interview

The inspection scope and findings were summarized on February 11, 1982, with those persons indicated in paragraph 1 above. The licensee had no questions concerning this report period and acknowledged the inspectors findings.

3. Licensee Action on Previous Inspection Findings

- a. (Closed) Violation 50-416/81-51-01 stated that CTO was performing local leak rate testing with a CWP. The licensee QA closed out CAR 427 after the required startup staff training was documented. This item is closed.
- b. (Open) Unresolved Item 50-416/81-35-02 stated that plant staff did not complete technical review and approval of change notice of FSAR Amendment 50 as per Procedure 09-S-01-1. This item remains open pending further action by the licensee.
- c. (Open) Violation 50-416/81-30-01 was not ready to be closed as of February 11, 1982, and remains open pending further action by the licensee.

- d. (Closed) Unresolved Item 50-416/81-57-02 the failure of Startup to initial the authorization to start (ATS) block of MWO 812981 and 82 for work performed on the recirculation flow control valves. The licensee's QA closed out CAR 435 concerning this item. This item is closed.
- e. (Open) Unresolved Item 50-416/81-09-01 was not ready to be closed as of February 11, 1982 and remains open pending further action by the licensee.

4. Unresolved Items

Unresolved items were not identified during this inspection.

5. Review of Open Items

- a. (Closed) PRD-81/51 Incorrect Standby Gas Treatment System (SGTS) Installation. The problems were corrected as documented in January 18, 1982 letter from MP&L to Region II. This item is closed (50-416/82-11-05).
- b. (Open) Open Item LII 50-416/81-30-02 was not ready to be closed as of February 11, 1982, and remains open pending further action by the licensee.
- c. (Open) Open Item IFI 50-416/81-35-01 was not ready to be closed as of February 11, 1982, and remains open pending further action by the licensee.

6. Preoperational Test Witnessing

The inspectors witnessed portions of the following preoperational tests to verify that the testing was conducted in accordance with approved procedures.

1P75PT01	Standby Diesel Generator Preoperational Test (Division 1)
1P81PT01	HPCS Diesel Generator Preoperational Test

The inspectors observed overall test personnel performance to verify the following:

- a. An approved procedure of the appropriate revision was available and in use by all test personnel.
- b. Special test equipment required by the procedure was calibrated and in service.
- c. Test prerequisites, initial conditions and precautions were met; and those which were waived had been reviewed and approved in accordance with procedural requirements.

- d. Test data was collected and recorded for final analysis by the proper personnel.
- e. Deficiencies identified during conduct of the tests were properly documented.

7. Preoperational Procedure Review

- a. Fuel Handling Equipment Preoperational Test. The inspectors reviewed portions of Preoperational Test Procedure 1F11PT01, Revision 1, Fuel Handling Equipment.
- b. Reactor Core Isolation Cooling (RCIC) Preoperational Test. The inspectors reviewed portions of Preoperational Test Procedure 1E51PT01, Revision 1, Reactor Core Isolation Cooling System.
- c. HPCS Diesel Generator Preoperational Test. The inspectors reviewed portions of Preoperational Test Procedure P81PT01, Revision 1, HPCS Diesel Generator.
- d. Standby Diesel Generator Preoperational Test. The inspectors reviewed portions of Preoperational Test Procedure 1P75PT01, Revision 1, Standby Diesel Generator.

During this review there were no violations or deviations identified.

8. Field Drawing Versus FSAR

The inspectors reviewed and verified that the latest copy of the system field drawings were in agreement with the FSAR piping and instrumentation drawings and descriptions for selected systems. The following system drawings were reviewed for agreement:

- a. High Pressure Core Spray (HPCS) Figure 6.3-1 of the FSAR was compared to Bechtel drawing M-1086, revision 15 with DCN 14 (MP&L drawing 1E22-1015M).
- b. Low Pressure Core Spray (LPCS) Figure 6.3-4 of the FSAR was compared to Bechtel drawing M-1087 revision 17 (MP&L drawing 1E21-1015M).
- c. Combustible Gas Control System Figure 6.2-81 of the FSAR was compared to Bechtel drawing M-1091, Revision 11 (MP&L drawing 1E61-1015M).

The general system description in the FSAR for the systems noted above was reviewed to determine if the referenced drawings were in agreement with the FSAR. No discrepancies were noted. The systems noted above will be walked down in a future inspection to ensure the installation agrees with the system field drawings and the FSAR.

9. Containment Integrated Leak Rate Test Valve Lineups

The inspector reviewed the As Built System Diagrams and the Official Signed Off Valve Lineup for the Integrated Leak Rate Test. Each document was found to be consistent with each other with no problems identified.

10. Inspector Followup Items (IFI)

a. (Open) IFI 50-416/82-11-01

BWR main steam isolation valve leakage problems were discussed with the licensee. This item will be followed up during future inspections.

b. (Open) IFI 50-416/82-11-02

The inspectors discussed the potential for voiding the prototype testing of Division I and II standby (emergency) diesel generators when the pistons were modified after testing. This item will be followed up during future inspections.

c. (Open) IFI 50-416/82-11-03

This inspector questioned the practice of not allowing the Division I and II standby diesel generators enough time to return to ambient standby temperature between acceptance test starts of the diesels. This item will be followed up in future inspections.

d. (Open) IFI 50-416/82-11-04

The inspectors are following the delivery date of the containment personnel air seals of April 1, 1982. These new seals are required to ensure primary containment integrity. The licensee has given this a Priority I status. This item will be followed up in future inspections.

11. February 8, 1982 Meeting with MP&L Corporate Licensing Staff

The inspectors met with MP&L corporate licensing representatives along with Startup and QA representatives to discuss the concerns over updating preoperational tests and plant procedures when FSAR amendments and letters of commitment to NRR are issued. The licensee stated that commitments would be given and implemented to resolve these concerns (See Unresolved Item 50-416/81-35-02).