



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

Report Nos. 50-416/82-61 and 50-417/82-13

Licensee: Mississippi Power and Light  
 Jackson, MS 39205

Facility Name: Grand Gulf

Docket Nos. 50-416 and 50-417

License Nos. NPF-13 and CPPR-119

Inspection at Grand Gulf site near Port Gibson, Mississippi

Inspector: J. J. Blake  
 J. J. Blake

9/1/82  
 Date Signed

Approved by: J. J. Blake  
 J. J. Blake, Section Chief  
 Engineering Inspection Branch  
 Division of Engineering and Technical Programs

9/2/82  
 Date Signed

SUMMARY

Inspection on August 17-20, 1982

Areas Inspected

This routine, unannounced inspection involved 24 inspector-hours on site in the areas of construction deficiency reports 50.55(e) (Unit 1); observation of safety related piping work activities (Unit 2); observation of steel structures and supports work activities (Unit 2).

Results

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

## REPORT DETAILS

### 1. Persons Contacted

#### Licensee Employees

- \*J. W. Yelverton, Nuclear Site QA Manager
- \*T. H. Cloninger, Unit #2 Project Manager
- \*M. A. Lacey, QA Consultant
- J. Malone, Acting ISI Coordinator

Other licensee employees contacted included several construction craftsmen, technicians, security force members and office personnel.

#### Other Organizations

E. P. Bailey, Project Manager, ISI - GE Company

#### NRC Resident Inspector

A. Wagner, Senior Resident Inspector

\*Attended exit interview

### 2. Exit Interview

The inspection scope and findings were summarized on August 20, 1982, with those persons indicated in paragraph 1 above. The licensee requested that an inspection report number be furnished as soon as possible so that the licensee's documentation of this inspection could be entered into his tracking system.

### 3. Licensee Action on Previous Enforcement Matters

Not inspected.

### 4. Unresolved Items

Unresolved items were not identified during this inspection.

### 5. Independent Inspection (92706)

The inspector conducted a walkthrough inspection of the Unit 2 containment building to observe construction work activities and to conduct a house-keeping inspection. Inservice Inspection personnel changes were also reviewed.

7. Steel Structures and Supports - Observation of Welding Outside Containment (Unit 2) (55154)

The inspector observed stud welding operations in the auxiliary building of Unit 2. The inspector witnessed the following work activities:

- a. Preparation of the Steel Surface for Stud Welding
- b. Placing and Shooting of Studs
- d. Visual Examination and Testing of Studs by the Stud Welding Operator
- d. Removal and Replacement of Studs Which Were Not Acceptable

There were no violations or deviations in this area of inspection.

8. Construction Deficiency Reports (50.55(e)) Unit 1

The inspector reviewed the final reports and the supporting documentation for the following potentially reportable deficiencies (PRD):

- a. (Closed) PRD 82/25 Division III Diesel Generator Room Ventilation System. Final Report - MPL Letter AECM 82/331 dated July 30, 1982. Supporting document - Plant Quality Deficiency Transmittal Report No. 00041-82.
- b. (Closed) PRD 82-26 Reactor Water Cleanup System (RWCU)(G33) Final Report - MPL Letter AECM 82/315 dated July 9, 1982. Supporting Documentation - Design Change Package No. 82/3520.
- c. (Closed) PRD 82/28 Hiller Actuators. Final Report - MPL Letter 82/274 dated June 11, 1982.
- d. (Closed) PRD 82/32 Bettis Valve Actuator Yoke Failure. Final Report MP&L Letter AECM - 82/313 dated July 9, 1982.
- f. (Closed) PRD 82/33 Capscrews in Standby Diesel Generators. Final Report - MP&L Letter AECM - 82/289.

There were no violations or deviations in this area of inspection.

a. Construction Activities

The inspector observed work activities involving the placement of reinforcing steel in the containment dry well wall. Specific activities observed included handling and placing of reinforcing steel; splicing of reinforcing steel (Lap Splices and Cad-Weld Splices); and placement of imbedment plates.

b. Housekeeping

The inspector noted that the work areas in Unit 2 are being kept relatively free of trash and construction debris. The inspector also observed cleaning crews working in the dry well area during the evening shift.

c. Inservice Inspection Program

During this inspection the inspector was informed that the licensee's ISI coordinator has resigned. The inspector held discussions with the Acting ISI Coordinator, the licensee's QA personnel, and the ISI contractors projects manager in order to assess the impact on the surveillance program. It appears that the Acting ISI Coordinator is adequately administering the program, but any organization suffers some during a leadership transition. The inspector informed the licensee that RII would be reviewing the program again when a permanent ISI Coordinator has been selected.

There were no violations or deviations noted during this phase of the inspection.

6. Safety Related Piping - Observation of Work and Work Activities (Unit 2) (49063)

The inspector observed the following work activities which involved safety related piping and Unit 2:

- a. Main Steam Guard Pipe - The inspector observed the handling of placement of main steam guard pipe into the containment penetration sleeves. The inspector noted that the guard pipe was being handled with fabric slings and that adequate precautions were being taken to prevent damage to the guard pipe and adjacent safety related materials.
- b. Relief Valve Piping - The inspector observed the work activities of the piping crews which were in the process of handling, aligning, and weld fit-up of Safety Relief Valve (SRV) piping inside the dry well. Specific attention was given to the handling of Line V-1 and the fit-up of field weld FW-4 on that line.

There were no violations or deviations noted during this part of the inspection.

7. Steel Structures and Supports - Observation of Welding Outside Containment (Unit 2) (55154)

The inspector observed stud welding operations in the auxiliary building of Unit 2. The inspector witnessed the following work activities:

- a. Preparation of the Steel Surface for Stud Welding
- b. Placing and Shooting of Studs
- d. Visual Examination and Testing of Studs by the Stud Welding Operator
- d. Removal and Replacement of Studs Which Were Not Acceptable

There were no violations or deviations in this area of inspection.

8. Construction Deficiency Reports (50.55(e)) Unit 1

The inspector reviewed the final reports and the supporting documentation for the following potentially reportable deficiencies (PRD):

- a. (Closed) PRD 82/25 Division III Diesel Generator Room Ventilation System. Final Report - MPL Letter AECM 82/331 dated July 30, 1982. Supporting document - Plant Quality Deficiency Transmittal Report No. 00041-82.
- b. (Closed) PRD 82-26 Reactor Water Cleanup System (RWCU)(G33) Final Report - MPL Letter AECM 82/315 dated July 9, 1982. Supporting Documentation - Design Change Package No. 82/3520.
- c. (Closed) PRD 82/28 Hiller Actuators. Final Report - MPL Letter 82/274 dated June 11, 1982.
- d. (Closed) PRD 82/32 Bettis Valve Actuator Yoke Failure. Final Report MP&L Letter AECM - 82/313 dated July 9, 1982.
- f. (Closed) PRD 82/33 Capscrews in Standby Diesel Generators. Final Report - MP&L Letter AECM - 82/289.

There were no violations or deviations in this area of inspection.