



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

Report No.: 50-416/84-32

Licensee: Mississippi Power and Light Company  
 Jackson, MS 39205

Docket No.: 50-416

License No.: NPF-13

Facility Name: Grand Gulf Unit 1

Inspection Conducted: August 20-23, 1984

Inspector:

*J. L. Mathis*  
 J. L. Mathis

*L. S. Mellen*  
 L. S. Mellen

*9/7/84*

Date Signed

*9/7/84*

Date Signed

Approved by:

*Frank Jape*

F. Jape, Section Chief  
 Engineering Branch  
 Division of Reactor Safety

*7/7/84*

Date Signed

SUMMARY

Scope: This routine unannounced inspection involved 40 inspector-hours on site in the areas of Independent Inspection Effort (92706) and Plant tours (71302).

Results: No violations or deviations were identified.

## REPORT DETAILS

### 1. Licensee Employees Contacted

- \*R. Hutchinson, Assistant Plant Manager (Maintenance)
- \*L. Daughtery, Compliance Superintendent
- \*J. Roberts, Technical Support Superintendent
- J. Malone, Mechanical Engineer
- J. Bailey, Compliance
- S. Merry, Mechanical Maintenance Supervisor
- J. Jackson, Chief Maintenance Planner

Other licensee employees contacted included four construction craftsmen and four operators.

#### Other Organization

Phil Collins, Bechtel

NRC Resident Inspector

A. Wagner  
Senior Resident Inspector

\*Attended exit interview

### 2. Exit Interview

The inspection scope and findings were summarized on August 23, 1984, with those persons indicated in paragraph 1 above. The licensee acknowledged the inspector finding.

### 3. Licensee Action on Previous Enforcement Matters

Not inspected.

### 4. Unresolved Items

Unresolved items were not identified during this inspection.

### 5. Plant Tours (Unit 1) (71302)

The inspector conducted plant tours periodically during the inspection interval to verify that monitoring equipment was recording as required, equipment was properly tagged, operations personnel were aware of plant conditions, and plant housekeeping efforts were adequate. The inspector also determined that appropriate radiation controls were properly established, critical clean areas were being controlled in accordance with

procedures, excess equipment or material was stored properly and combustible material and debris were disposed of expeditiously. During tours, the inspector looked for existing fluid leaks, piping vibrations, pipe hanger and seismic restraint settings, various valve and breaker positions, equipment caution and danger tags, component positions and status, adequacy of fire fighting equipment, and instrument calibration dates. Two tours were conducted on backshift.

Within the areas inspected no violations or deviations were identified.

6. Independent Inspection Effort (92706)

During the inspection period, the inspectors observed and reviewed maintenance activities relating to type C, local leak rate testing of containment isolation valves in the feedwater lines for both A and B trains (penetrations 9 and 10) to ascertain that the work was being performed by qualified personnel, that activities were accomplished employing approved procedures and the activity was within the skill of the trade. Limiting conditions for operation were examined to ensure that Technical Specification requirements were satisfied. Activities, procedures, and maintenance work orders (MWO) were examined to ensure adequate cleanliness controls and radiological measures were adhered to the appropriate requirements.

The following selected maintenance work activities were observed or reviewed during the inspection period:

<u>MWO Number</u>	<u>Component</u>
M45197	24" FW Check valve (F010A)
M45190	24" FW Check valve (F032A)
M45185	24" FW Check valve (F010B)
M45188	24" FW Check valve (F032B)

The above MWOs were written as a result of MP&L committing to pneumatically test all of the feedwater containment isolation valves to 10 CFR 50, Appendix J requirements. During the local leak rate testing of the feedwater valves (F010A, B and F032A, B), it was identified by the licensee that excessive clearances existed between the plug wear surface and valve body. The inspector reviewed PMI-84-10219 and PMI-84-10215 which were issued by the plant to MP&L construction requesting Bechtel Unit 2 in the application of Stellite to the valve plug guide rings of valve Q1B21-F010A and Q1B21-F010B respectively. To avoid mixing QA programs under one work order, MP&L Unit 1 issued work order M45592 to cover only the Bechtel Unit 2 work scope. The M45592 work order was reviewed for compliance to the QA program and verification of Q/A hold point for the welding performed by Unit 2 (Bechtel employee).

Within the areas inspected, no violations or deviations were identified.