



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

AUG 08 1984

Report Nos.: 50-416/84-28

Licensee: Mississippi Power and Light Company
 Jackson, MS 39205

Docket Nos.: 50-416

License Nos.: NPF-13

Facility Name: Grand Gulf

Inspection Dates: July 17 - 20, 1984

Inspection at Grand Gulf site near Port Gibson, Mississippi

Inspectors:	<u>W. K. Poertner</u>	<u>6 August 1984</u>
	W. K. Poertner	Date Signed
	<u>G. A. Belisle</u>	<u>8/6/84</u>
	G. A. Belisle	Date Signed
Approved by:	<u>C. A. Julian</u>	<u>8/6/84</u>
	C. A. Julian, Section Chief	Date Signed
	Division of Reactor Safety	

SUMMARY

Areas Inspected

This special, announced inspection involved 44 inspector-hours on site in the areas of Unit 1 interdependence on Unit 2 systems, equipment, or structures.

Results

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

REPORT DETAILS

1. Persons Contacted

J. Cross, General Plant Manager
*T. Cloninger, Director, Nuclear Engineering and Construction
F. Adcock, Nuclear Plant Engineering
*K. Black, Nuclear Plant Engineering
*R. Dubey, Nuclear Plant Engineering
J. Bailey, Compliance Coordinator
J. Turner, Project Engineer
M. Withrow, Project Engineer
C. Angle, Manager of Operations Analysis
J. Roberts, Technical Superintendent

Other Organizations

B. Slovic, Mechanical Process Group Supervisor (Bechtel)
R. Jackson, Project Engineer (Bechtel)
O. Hicks, As Built Coordinator (Bechtel)

NRC Resident Inspector

J. Caldwell

2. Exit Interview

The inspection scope and findings were summarized on July 20, 1984, with those persons indicated in paragraph 1 above.

3. Licensee Action on Previous Enforcement Matters

(Closed) UNR 50-416/84-24-04, MP&L review of Bechtel and General Electric reports. The inspector reviewed MP&L's reports on the results of the MP&L Audit of the GGNS Unit Interdependency review performed by Bechtel and General Electric. This item is considered closed.

4. Unresolved Items

Unresolved items were not identified during this inspection.

5. Unit 1 Interdependence On Unit 2 Systems, Equipment Or Structures

On June 4, 1984, Mississippi Power and Light (MP&L) requested General Electric (GE) and Bechtel to initiate reviews to identify Unit 2 systems equipment or structures required to support the operation of Unit 1. On July 2 - 3, 1984, the NRC conducted an inspection (50-416/84-24) of the MP&L review of the GE and Bechtel reports and determined that no formal review program was in progress. As a result of the inspection, MP&L conducted an audit of the GE and Bechtel work. The audit consisted of sending an engineering review team to San Jose, California and Gaithersburg, Maryland,

to assess the adequacy of the GE and Bechtel investigations. The result of this audit identified that both the GE and Bechtel reviews were based on their most current in house documentation which has not been completely updated to include numerous changes to the plant issued by MP&L. As a result of this finding, another review was initiated to address MP&L Design Change Packages (DCPs) and temporary alterations to determine if additional dependent interfaces with Unit 2 had been created. The result of this review identified one additional dependence on Unit 2. Doors 2M110 and 2M111 and penetration 2SJ-8A in SSW Basin B are required by DCP 82/5026 to be sealed to protect Unit 1 equipment from flooding resulting from revised PMP studies.

The inspectors interviewed selected MP&L and contractor personnel and reviewed MP&L Report No. 84-M-004 Rev. 2, Report On Investigations Performed To Determine Unit 1 Dependence On Unit 2 Systems, Structures, And Components, NPEI 84/1024, Review of Systems To Determine The Existence Of a Unit 1/Unit 2 Interface and NPEI 84/1025, Bechtel Review of DCPs Against Systems Determined To Have A Unit 1/Unit 2 Interdependency. Due to the unavailability of some DCPs during the Nuclear Plant Engineering (NPE) and Bechtel review of DCPs a 100% audit of DCPs was not conducted prior to issuing Report No. 84-M-004 Rev. 2. The inspectors expressed concern that not all DCPs had been reviewed and NPE generated a list of 64 DCPs that had not been reviewed during the initial NPE and Bechtel Review. These DCPs were reviewed by NPE prior to the inspectors leaving the site and no Unit 1/Unit 2 interfaces were found. The inspectors reviewed selected systems and DCPs to determine the adequacy of the NPE and Bechtel review. The work of DCP 82/5026 which identified an additional dependence of Unit 2 equipment was inspected and verified to be complete. No violations or deviations were identified.