



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

Report No. 50-416/81-25

Licensee: Mississippi Power & Light Company
Jackson, MI 39205

Facility Name: Grand Gulf Nuclear Station

Docket No. 50-416

License No. CPPR-118

Inspection at Grand Gulf Nuclear Station near Port Gibson, Mississippi

Inspectors: P. A. Taylor 7-31-81
P. A. Taylor Date Signed

G. L. Pauk 7-31-81
G. L. Pauk Date Signed

Approved by: F. S. Cantrell 7-31-81
F. S. Cantrell, Section Chief, Division of Date Signed
Resident and Reactor Project Inspection

SUMMARY

Inspection on June 25-26 - July 6-10, and July 13-17, 1981

Areas Inspected

This routine unannounced inspection involved 59 inspector-hours on site in the areas of nonroutine event review, operational staffing and comparison of as built plant systems to FSAR requirements.

Results

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

DETAILS

1. Persons Contacted

Licensee Employees

- *C. K. McCoy, Plant Manager
- *C. L. Stuart, Assistant Plant Manager
- *G. B. Rogers, Site Manager
- *C. P. Hutchinson, Startup Manager
- *J. W. Yelverton, QA Supervisor
- *R. R. Weedon, Chemistry & Radiation Control Superintendent
- *J. C. Bell, QA Auditor
- *S. F. Tanner, QA Coordinator
- R. Moomaw, Instrumentation Supervisor
- R. A. Ambrosino, Nuclear Support Manager

Other licensee employees contacted included construction craftsmen, technicians, and engineering personnel.

Other Organizations

- M. L. Rayfield, Bechtel Staff
- *P. S. Collins, QA Engineering - Bechtel
- *L. E. Blakeslee, Field Engineer - Bechtel
- *R. W. Frayer, Checkout & Turnover - Bechtel
- L. Eichenberger, Startup Engineer - General Electric
- C. G. Rankin, Bechtel Staff

*Attended exit interview

2. Exit Interview

The inspection scope and findings were summarized on July 10, 1981 and July 17, 1981 with those persons indicated in Paragraph 1 above. The licensee was informed of one unresolved item identified during the inspection, paragraph 7.

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 violations or deviations. New unresolved items identified during this inspection are discussed in paragraph 7.

5. Nonroutine Event Review

This area was reviewed to verify that responsibilities have been assigned for the review of nonroutine events, that reporting of these events internally and to the NRC have been established. In addition the inspector reviewed procedure to ensure that methods have been established which provides for corrective action to be taken and the completion of the corrective actions. The inspector review the below listed procedure which implements the reporting and the handling of nonroutine events.

01-5-06-8, Plant Staff Handling of Plant Licensing Activities
 01-5-06-9, Plant Reporting Requirements to Outside Agencies
 01-5-06-5, Reportable Events
 01-5-01-5, Reportable Occurrences

Within the areas inspected no violations or deviations were identified.

6. Operational Staffing

This area was reviewed to ascertain that operating staff positions are filled and that staff qualifications meet the requirements of ANSI 18.1-1971, and ANSI 3.1-1979. The licensee has committed to these standard as noted in the FSAR and the QA Topical Report. The inspected reviewed the qualification of the Reactor Engineer, I&C Superintendent, Technicians, Electricians, QA Supervisor QA auditors, QC inspectors and unlicensed Operators.

Within the areas inspected no violations or deviation were identified.

7. Comparison of As-Built Plant to FSAR Description

The inspector reviewed the as-built plant configuration to ensure conformity to commitments contained in the FSAR concerning the High Pressure Core Spray System. The inspector verified mechanical and fluid system physical installations to check agreement with the FSAR P&ID's. It was noted that current FSAR changes for the High Pressure Core Spray System stop at revision 9 (Fig. 6.3.1 in FSAR). The as-built drawings are current through revision 15. (M1086/15). The inspector attempted to review the design changes made to the High Pressure Core Spray System as required by 10 CFR Part 50 Appendix B Criterion III. No review records were available on site although the inspector was told that the necessary documentation on system design changes were maintained at the Bechtel vendor offices in Maryland. Changes have not currently been submitted to NRR by the licensee to update the FSAR. 10 CFR 50.55(d) requires, in part, that "At or about the time of completion of the construction... of the facility, the applicant will file any additional information needed to bring the original application for license up to date..." This item will remain an unresolved item.
 (416/81-25-01)

A review of the control and logic instrumentation by the inspector revealed that table 7.3.-2 of the FSAR on High Pressure Core Spray System, Instrument

Specifications, lists a specification for a turbine and discussion referenced in note 3. The inspector was unable to locate a turbine associated with the High Pressure Core Spray System and was told by the plant staff that this was an apparent error in the FSAR. This will be an open item (416/81-25-02).

The inspector checked the P&ID's for operational usage and noted that all plant P&ID's are generic in one area; all test connections and gage/instrument root valves less than 2 inch are not shown on the P&ID's. The shift supervisors and plant staff interviewed expressed concern over the uncertainty involved in tagging out systems. A computer printout valve sort index is available to the shift supervisors which lists all plant systems and their valves, however no one print is available that lists all of a system's valves. Layout drawings do exist in the engineering section (FSK, J,) which lists all of a system's valves; however, these drawings are not currently used for pre-operational purposes. This item will remain an inspector followup item. (416/81-25-03).