



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

Report Nos. 50-416/79-16 and 50-417/79-16

Licensee: Mississippi Power and Light Company
Jackson, Mississippi

Facility: Grand Gulf Units 1 and 2

Docket Nos. 50-416 and 50-417

License Nos. CPPR-118 and CPPR-119

Inspection at Grand Gulf site near Port Gibson, Mississippi and at the corporate office in Jackson, Mississippi

Inspector: *R. K. Rausch for* 8-20-77
J. K. Rausch Date Signed

Approved by: *J. C. Bryant for* 8-22-77
J. C. Bryant, Section Chief, RC&ES Branch Date Signed

SUMMARY

Inspection on August 7-9, 1979

Areas Inspected

This routine, unannounced inspection involved 18 inspector-hours on site in the areas of QA program implementation; review of QA manual; licensee followup of 50.55(e) items; housekeeping practices; IE Bulletin followup and containment dome fitup.

Results

Of the areas inspected, no items of noncompliance or deviations were identified.

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DETAILS

1. Persons Contacted

Licensee Employees

- *T. E. Reaves, Jr., Manager of QA
- *P. W. Sly, QA Field Supervisor
- H. C. Fuller, QA Representative
- *W. E. Edge, QA Program and Audits Coordinator
- *H. D. Morgan, Construction Supervisor
- *A. T. Ramey, Quality Assurance Representative

Other licensee employees contacted included construction craftsmen and office personnel.

Other Organizations

- R. L. Scott, Bechtel Project QA Manager
- *J. W. Yelverton, Bechtel QA Engineer
- A. S. Bettencourt, Bechtel QA Engineer

*Attended exit interview.

2. Exit Interview

The inspector scope and findings were summarized on August 9, 1979, in Jackson with those persons indicated in paragraph 1 above.

3. Licensee Action on Previous Inspection Findings

(Open) Unresolved Item Nos. 416/417/79-13-04, Housekeeping: The inspector noted that effort has been made since the previous inspection to remove discarded building materials and to protect rebar by stacking on dunnage. However, trash and litter both inside and outside the containment are still a problem. The inspector noted partially eaten food, empty soda cans, bottles and paperfood wrappers throughout the containment and auxiliary building. In one particular instance, three men were eating and smoking directly behind a sign that read "Zone IV Cleanliness Area, eating and use of tobacco not permitted". The men, who were eating there, advised the inspector that the sign controlled that area within a yellow line marked on the floor and not the area occupied by the room. The yellow line on the floor marked a perimeter around a MOV panel about 2 to 3 feet away from the panel at any point. A check with Bechtel management verified that the men are allowed to eat and smoke within rooms containing the safety related control panels as long as they stay outside of the yellow line. MP&L management was advised by the inspector that the housekeeping must be improved and that the cleanliness zones must be better defined in order to accomplish higher housekeeping standards. MP&L agreed. This item will remain open and will be examined on subsequent inspections.

(Closed) Unresolved Item 417/79-13-03, Containment liner dome fit. Bechtel has reviewed this item and prepared a QAR identified as F-130, citing the distortion in the liner plate dome for Unit 2. Asbuilt dimensions were reviewed and new dimensions taken establishing that the dome has remained unchanged since field fabrication during December, 1978. In addition, field engineering template checks taken across each seam found all areas in conformance with Specification 9645-C-151.0, section 12.0, article 12.2.8, which permits a maximum allowable deviation of 1½ inches. The greatest deviation found by Bechtel was a +1 5/16". The corrective action was certified on QAR-F-130 as required by procedures. The inspector had no further questions regarding this matter.

4. Unresolved Items

Unresolved items were not identified during this inspection.

5. Inspector Followup Items

(Open) Inspector Follow-up Item 416/417/79-13-01, Warehouse storage. Bechtel prepared QAR-F-128 to track the warehouse storage problem at Natchez and to document corrective action. During this inspection the inspector examined Bechtel records which verify that corrective action has been taken by the warehouse personnel to remove storage not owned by MP&L from the MP&L Level B storage. This item will remain open until the NRC inspector has examined the warehouse in Natchez and verified that the corrective action taken is satisfactory.

6. Independent Inspection

The inspector examined various areas of the plant to observe construction work and related activities in progress, to inspect the general state of cleanliness and to examine in place storage conditions of mechanical and electrical equipment. The inspector traveled through the reactor building to observe the general condition and protection of piping sub-assemblies, cable trays, pumps and other safety related equipment. In addition the inside of the reactor vessel was examined. Workmen engaged in welding in tube stubs were observed. No items of noncompliance or deviations were identified.

7. Warehousing Facilities on Site

The inspector examined the level B warehouse storage facility at the Grand Gulf site where valves, pipe, motors, spring hangers and miscellaneous hardware items are stored. The inspector noted that the materials and equipment were being stored and preserved in a manner to prevent damage. Access to the warehouse is controlled to prevent unauthorized access. No items of noncompliance or deviations were identified.

8. IE Bulletins

- a. (Open) IEB 79-14, Seismic Analyses for As-Built Safety-Related Piping System.

In order to comply with this bulletin, MP&L has requested that Bechtel furnish data for the NRC. This data is to verify that the seismic analysis performed for safety-related piping systems reflects the actual as-built configuration of safety-related piping systems. Action taken by Bechtel to date has been to locate and gather source input design information and seismic analysis input information for each safety-related piping system. Bechtel plans to utilize this information to perform a physical inspection of the installed piping to verify that the following are accurate:

- ° System piping isometrics that provide pipe run geometry
- ° Containment penetration sleeves schedule and detail for embedments
- ° System piping and penetration schedule that show function and clearance
- ° Hanger locations for support and restraint design
- ° Pipe attachment location in relation to specified hanger locations
- ° Valve and valve operator locations and weights

The inspector examined a typical set of drawings to be utilized by Bechtel in meeting the requirements of IE Bulletin 79-14. These drawings included the following:

- ° M-1351A, Rev. 12 - System Piping Isometric
- ° M-1880, Rev. 6, Sheet 1 - Penetration Schedule
- ° C-1004, Rev. 19 - Containment Penetration Sleeves
- ° HC-1351A, Rev. 3 - Hanger Location For Large Diameter Pipe
- ° FSK-H-1088D-047-13, Rev. 0 - Cask Storage Pool Liner Drain Header to Leak Detection System
- ° PS-12A - Pipe Supports

No items of noncompliance or deviations were identified.

- b. (Open) IEB 79-07, Seismic Stress Analysis of Safety Related Piping.

MP&L completed their reply to this bulletin on July 13, 1979, advising that all information for piping analyzed by the sub-suppliers has been received by them. This bulletin will not be closed out until NRC licensing has reviewed the submittal and accepted it.