



UNITED STATES
NUCLEAR REGULATORY COMMISSION

REGION II
101 MARIETTA STREET, N.W.
ATLANTA, GEORGIA 30303

Report Nos.: 50-424/83-17 and 50-425/83-17

Licensee: Georgia Power Company
P. O. Box 4545
Atlanta, GA 30302

Docket Nos.: 50-424 and 50-425

License Nos.: CPPR-108 and CPPR-109

Facility Name: Vogtle 1 and 2

Inspection at Vogtle site near Waynesboro, Georgia

Inspector: John Z. Rogge for 1 Sept 83
W. F. Sanders Date Signed

Approved by: V. Panciera 9/1/83
V. Panciera, Section Chief Date Signed
Project Branch No. 2
Division of Project and Resident Programs

SUMMARY

Inspection on July 11, to August 15, 1983

Areas Inspected

This routine, unannounced inspection involved 136 inspector-hours on site in the areas of: observation of work in progress in fitting and welding NSSS primary coolant piping, storage of critical equipment, setting of rebar & imbeds in Unit 2 Containment, review of radiographs for pipe welds; general observation of work in progress in the primary containment, auxiliary building and control building; and audit of piping contractor corporate QA support.

Results

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

REPORT DETAILS

1. Persons Contacted

Licensee Employees

- *H. H. Gregory, III, Project Construction Manager
- *M. H. Googe, Assistant Project Construction Manager
- *W. D. Drinkard, Section Supervisor Engineering
- *E. D. Groover, Quality Assurance Site Manager
- *B. C. Harbin, Manager Engineering Support
- *W. C. Lyon, Compliance Officer
- *G. A. McCarley, Project Compliance Coordinator
- *R. W. McManus, Manager Quality Control
- *C. R. Miles, Jr., Special Assistant to General Manager
- *T. L. Weatherspoon, Assistant Manager of Quality Control

Other Organizations

Bechtel Power Corporation

- *W. C. Uhouse, Resident Engineer "N" Stamp

*Attended exit interview

2. Exit Interview

The inspection scope and findings were summarized on August 15, 1983, with those persons indicated in paragraph 1 above. The Inspector described the areas inspected and discussed in detail the inspection findings.

3. Licensee Action on Previous Enforcement Matters

(Closed) Violation 424, 425/82-29-01 "Failure to control the storage and preservation of electrical equipment." This item was inspected to determine the effectiveness of the corrective actions described in the licensee response letter of February 11, 1983. Significant improvements were evident. Refer to item 6.

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. No unresolved items were identified during this inspection.

5. Independent Inspection Effort

Periodic inspections were made throughout this reporting period in the form of general type inspections in different areas of both facilities. The areas were selected on the basis of the scheduled activities and varied to

provide wide coverage. Observations were made of activities in progress to note defective items or items of noncompliance with the required codes and regulatory requirements. On these inspections, particular note was made of the presence of quality control evidence in the form of available process sheets, drawings, material identification, material protection, performance of tests and housekeeping.

Interviews were made with craft personnel, supervisors, coordinators, quality control inspectors, and others as they were available in the work areas. Observations were made in the following areas: primary containment structures 1 and 2, auxiliary building, fabrication of containment dome, control building, safety related piping and weld filler metal control.

No violations or deviations were identified.

6. Storage and Preservation of Electrical Equipment

This inspection was made as a follow-up to the violation 82-29-01 and was focused on the corrective actions described in the licensee letter of February 11, 1983. The inspection covered those of electrical cabinets stored in place on the five levels of the control building, and was conducted throughout the reporting period. The criteria used for the inspection is contained in the following documents.

- a. 10 CFR 50 Appendix B
- b. ANSI-N-45.2.2
- c. ANSI-N-45.2.3
- d. GP-FPM-GD-T-09 Rev. 4
- e. GP-FPM-GD-T-17 Rev. 1

No violations or deviations were identified.

7. Radiography of Primary Coolant Piping

An inspection was made of the activities and results relative to the radiography of the primary coolant piping. Four (4) welds were selected for examination of the X-Ray films to evaluate the quality of radiograph for compliance to the requirements of PPP IX-RT-1-77 ASME Section III and Section V in the areas of:

- Penetrameter Selection
- Penetrameter Placement
- Visibility of Essential Penetrameter Hole
- Film Selection
- Film Density Obtained
- Radiograph Technique Used
- Documentation of Results on Radiograph Inspection Report
- Visual Examination of the Film

The four welds selected for this inspection were all radiographed by placement of an Iridium 192 source inside the pipe and using a panoramic technique to expose the film. The welds selected were:

007 - W - 01 - Elbow to Steam Generator	Drg. 1X4DL4A17
008 - W - 01 - Elbow to Steam Generator	Drg. 1X4DL4A17
002 - W - 01 - Hot Leg to R.P.V.	Drg. 1X4DL4A17
002 - W - 02 - Hot Leg to R.P.V.	Drg. 1X4DL4A17

All of the above welds were made using double film pack with 8 film placements around each weld. A review of the activities and review of radiographs for Quality and Interpretation did not reveal any items of noncompliance.

8. Vendor Inspection at Pullman Power Products, Williamsport, Pa.

During this period, on July 26-28, 1983, the Inspector accompanied personnel from the Region IV Vendor Branch in an inspection at Pullman Power Piping in Williamsport, PA. The purpose of the inspection was to review the corporate quality assurance and management support for field Q.A./Q.C. operations. Relative to this, an initial review was made of Internal Audit Procedure XVIII 3-1-79 which describes the lead auditor qualifications, audit objectives, audit schedule, implementation, Q.A. checklist and audit follow-up. This was followed by a review of all of the audit reports of the site from January, 1982, to the present date. The audit reports appeared to be descriptive, showing well-defined and sufficient scope and depth; however, it appeared that some of the audit findings which required follow-up actions were not always clear in showing that the follow-up actions were taken, verified and completed. These opinions were expressed and discussed with the Director of Quality Assurance for field operations.

The second part of the audit was performed by reviewing field reports and correspondence from the Field Q.A. Manager to the Director of Quality Assurance relative to corporate Q.A. support of field quality assurance effort. This was also based on field reports and records from January, 1982, to present date. The review led to a conclusion that the Site Q.A./Q.C. seemed to be isolated from the corporate organization in the sense that the corporate Q.A. support, if needed in management matters or site Q.A. problems, must be requested, even though the monthly report may have described problems which could be indicative of items that needed corporate Q.A. support. Corporate Q.A. involvement and support for field operations and the above evaluations were reviewed and discussed with the Director of Q.A. for Field Operations, who acknowledged the comments and indicated that the need for field support would be reviewed.

The last part of the audit was a review of audit reports relative to the required independent management audit to field operations, which is a requirement found in the corporate Q.A. Manual. It was noted that this type

of audit had not been performed on 3 out of 4 plants. This item is being reviewed by the U.S.N.R.C. Region IV Vendor Branch as a potential enforcement item and will be addressed in their report.

The remainder of the inspection was spent on a review of the work in progress in final weld surface preparations. Specific assemblies inspected were:

1. 1204-039-S-09 - Assembly ready for Solution Anneal
2. 1305-546-S-07 - Witness Dye Penetrant Examinations

With the exception of the omission of the independent management audit described above, no items on noncompliance were identified.