



UNITED STATES
 NUCLEAR REGULATORY COMMISSION
 REGION II
 101 MARIETTA STREET, N.W.
 ATLANTA, GEORGIA 30323

Report Nos.: 50-424/86-10 and 50-425/86-05

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

Inspection Conducted: February 10-14, 1986

Inspector: *J. J. Blake*
 for S. G. Wias

3/19/86
 Date Signed

Approved by: *J. J. Blake*
 J. J. Blake, Section Chief
 Engineering Branch
 Division of Reactor Safety

3/19/86
 Date Signed

SUMMARY

Scope: This routine unannounced inspection involved 38 inspector-hours on site in the areas of pipe support baseplate designs using concrete expansion anchors (IEB 79-02) and seismic analysis for as-built safety-related piping systems (IEB 79-14).

Results: No violations or deviations were identified.

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REPORT DETAILS

1. Persons Contacted

Licensee Employees

- *D.O. Foster, Vice President Project Support
- *C.W. Hayes, Quality Assurance (QA) Manager
- *E.D. Groover, QA Site Manager - Construction
- *G.A. McCauley, Project Compliance Coordinator
- *B.C. Harbin, Mechanical Quality Control (QC)

Other licensee employees contacted included construction craftsmen, engineers, technicians, security office members and office personnel.

Other Organizations

- *B. L. Edwards, Construction Manager - Pullman Power Products (PPP)
- *J. E. Miller, QA/QC Manager - PPP
- *T. M. Sinclair, Assistant Construction Manager - PPP
- J. Rudd, QA, Bechtel (BPC)

NRC Resident Inspectors

- *H. Livermore - Senior Resident Inspector - Construction
- *J. Rogge - Senior Resident Inspector - Operations

*Attended exit interview

2. Exit Interview

The inspection scope and findings were summarized on February 14, 1986, with those persons indicated in paragraph 1 above. The inspector described the areas inspected and discussed in detail the inspection findings. No dissenting comments were received from the licensee.

- (Open) Unresolved Item 50-424/86-10-01 and 50-425/86-05-01, "Traceability of Components for Mechanical Shock Arrestors", Paragraph 5.a.1.
- (Open) Unresolved Item 50-424/86-10-02 and 50-425/86-05-02, "Control of Process Sheets Used for QC Signatures", Paragraph 5.a.2.
- (Open) Unresolved Item 50-424/86-10-03 and 50-425/86-05-03, "Handling, Storage and Preservation of Materials for Pipe Supports", Paragraph 5.c.

The licensee did not identify as proprietary any of the material provided to or reviewed by the inspector during this inspection.

3. Licensee Action on Previous Enforcement Matters

This subject was not addressed in the inspection.

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. Three new unresolved items identified during this inspection are discussed in paragraph 5.

5. Safety-Related Pipe Supports and Restraint Systems (50090) Unit 1

a. Observation of Work and Work Activities

- (1) The inspector observed inspection of four mechanical snubbers prior to installation and torquing of bolts to the support plates. The snubbers were checked for smoothness of shaft travel by simulating normal operation by pulling and pushing the snubber shaft; the inspector also simulated unit activation by sudden movement.

It was also noted that there was no evidence of deterioration or noticeable corrosion and that the support plates, and connecting joints are not bent, deformed, or loose.

<u>Hanger Number</u>	<u>System</u>	<u>Size</u>
V1-1206-005-H004	Containment Spray	PSA-1
V1-1217-105-H002	Auxiliary Component Cooling Water	PSA-1
V1-1301-129-H002	Main Steam	PSA-1
V1-1208-144-H010	Chemical and Volume Control	PSA- $\frac{1}{2}$

During inspection for traceability by heat numbers, of the snubbers, pins, studs, bolts and nuts, the inspector noted that some of the parts did not have any identification numbers, while others had air scribed numbers visible.

Pending review and evaluation by the licensee and further NRC inspection, this matter was identified as Unresolved Items 50-424/86-10-01 and 50-425/86-05-01, "Traceability of Components for Mechanical Shock Arrestors."

- (2) During the inspection of the torquing of bolts for the support plates to the snubbers, the inspector noted that the process sheets that were to be used for QC signoffs differed from the process sheets as referenced in PPP Procedure IX-32 "Installation

of Mechanical Shock Arrestors," Section 9.1. This difference prompted PPP to issue PCN-#3 to IX-32 to include the process sheets that were an abbreviated version of the process sheets in the procedure. The inspector reviewed four other procedures in the pipe support area and compared the process sheets in the various procedures, with the process sheets issued by the Hanger Group for use by the QC inspectors in the field. The inspector did not find any differences in those four procedures. Pending review and evaluation of procedures that require process sheets for QC signatures by the licensee and further NRC inspection, this matter was identified as Unresolved Items 50-424/86-10-02 and 50-425/86-05-02, "Control of Process Sheets Used for QC Signatures."

- (3) The inspector selected the following sample of four hangers/supports in the area of dynamic pipe supports and component support structures that had been QC final inspected and final QA reviewed.

Documentation for the installation, inspection and design were reviewed; the hangers were reinspected with the assistance of QA/QC inspectors; and the results discussed with the QA/QC inspectors to determine the effectiveness of the hanger program.

<u>Hanger Number</u>	<u>System</u>	<u>Type</u>
V1-1213-005-H013	Spent Fuel Cooling	#12 Strut
V1-1213-006-H005	Spent Fuel Cooling	#12 Spring
V1-1213-003-H001	Spent Fuel Cooling	#12 Spring
V1-1302-031-H009	Auxiliary Feedwater	#1.5 Strut

The above hangers were reinspected against their detail drawings for configuration, identification, fastener/anchor installation, clearances, member size, welds and damage/protection. In general, the hangers were installed in accordance with design documents.

No discrepancies were identified in the above Hangers/Supports.

b. Review of QC Documentation and Records

The inspector selected the following sample of four hanger/support QC documentation packages in the area of dynamic pipe support and component support structures that had been QC final inspected and final QA reviewed.

<u>Hanger-No.</u>	<u>Comment/Discrepancy</u>
V1-1213-006-H007	- None
V1-1204-025-H007	- None
V1-1213-006-H006	- Missing QA review signature on Drillco Maxi-Bolt Installation Sht 2 of 2
V1-1213-003-H001	- None

The inspector has noted that the above discrepancy, that was identified during this inspection, has not been identified in previous inspection reports. In that this area will continue to be reviewed during future inspections, no action by the inspector other than noting the discrepancy to the licensee will be taken at this time.

c. Construction Progress (Unit 1)

The inspector conducted a general inspection of the control and Auxiliary Building to observe construction progress and activities, such as welding, coatings, material handling and control, housekeeping and storage. During the inspection of Restraint V1-1302-031-H009, in the Control Building area A/2E, erected and QC inspected in September 1985, it was noted that the restraints structural steel and welds had approximately 1/16" of oxidation covering them. Also, that prefabricated pipe support structures were found to be left in an area not considered to be a temporary storage area for such materials. By the end of this inspection, this inspector was unable to determine whether adequate measures were in place for the protection of materials and equipment and, if measures were in place, why they were not followed. Pending review and evaluation of procedures that cover this area by the licensee and further NRC inspection, this matter was identified as Unresolved Items 50-424/86-10-03 and 50-425/86-05-03, "Handling, Storage and Preservation of Materials for Pipe Supports."