



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

Report Nos. 50-424/81-03 and 50-425/81-03

Docket Nos. 50-424 and 50-425

Licensee: Georgia Power Company
270 Peachtree Street
Atlanta, GA 30303

Facility Name: Vogtle

License Nos. CPPR-108 and CPPR-109

Inspection at Vogtle site near Waynesboro, Georgia

Inspected by: *T. E. Conlon* for
J. R. Harris

3-4-81
Date Signed

Approved by: *T. E. Conlon*
T. E. Conlon, Section Chief, Engineering
Inspection Branch

3-4-81
Date Signed

Date of Inspection: February 12, 17, 18, 1981

Areas Inspected

This routine, unannounced inspection involved 22 inspector-hours onsite in the areas of Construction Status and Structural concrete.

Results:

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

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DETAILS

1. Persons Contacted

Licensee Employees

- *K. M. Gillespie, Construction Manager
- *W. M. Johnston, Manager of Nuclear Construction
- *H. H. Gregory, Assistant Construction Manager
- *B. C. Harbin, Civil Project Supervisor
- *R. W. McManus, Assistant Manager QC
- *R. R. Allen, Assistant Construction Project Manager
- *J. E. Seagraves, Civil QC Section Manager
- L. James, Civil QC Section Manager
- *J. R. Petro, Quality Assurance Engineer
- *R. E. Folker, Quality Assurance Engineer
- *E. D. Groover, Quality Assurance Site Manager

Other Organizations

- J. E. Mahlmeister, Resident Engineer, Bechtel
- D. P. Armstrong, Civil Resident Engineer, Bechtel
- J. Duffy, General Superintendent, Walsh

*Attended Exit Interview

2. Exit Interview

The inspection scope and findings were summarized on February 18, 1981 with those persons indicated in Paragraph 1 above.

3. Licensee Action on Previous Inspection Findings

Not inspected.

4. Unresolved Items

Unresolved items were not identified during this inspection.

5. Independent Inspection

The inspector observed ongoing work activities in the Unit 1 and 2 power-house block and in the concrete and soils testing laboratory.

No violations or deviations were identified.

6. Containment (Structural Concrete I) - Observation of Work and Work Activities, Unit 2

The inspector observed partial placement of pour number 2-01C-001, 002, 004 in the Unit 2 basemat. Acceptance criteria appear in the following documents.

- a. Specification X2AP01, Forming, Placing, Finishing, and Curing Concrete.
- b. CD-7-02, Concrete Quality Control
- c. PSAR Sections 3 and 17

Forms were tight and clean. Rebar was properly installed and clean. Preplacement inspection was indicated by the signed preinspection form. Placement activities pertaining to delivery time, free fall, flow distance layer thickness and consolidation conformed to specifications. Activities were continuously monitored by QC personnel. An examination of the batch plant indicated proper mixes were being delivered to the specified site, materials were being controlled and accurate batch plant records were being generated. Samples for strength, temperature, slump, air content and unit weight met frequency requirements.

No violations or deviations were identified.

7. Licensee Identified Item 10CFR 50.55(e)

(Closed) Item 424/80-12-03: Placement of low strength concrete in Tendon Gallery Access shaft. Eight yards of 2000 psi design concrete was misplaced in the Unit 1 tendon gallery access shaft which requires 5000 psi concrete. The inspector reviewed the licensee's evaluation dated September 24, 1980 indicating that the item is not considered significant. The licensee reported to NRC RII on September 24, 1980 that the item was not considered significant. The low strength concrete was removed. This item is closed.

8. Previously Identified Inspector Follow-Up Item

(Closed) Inspector Follow-up Item 424/80-14-1, High Slump Concrete in Unit One Basemat. High slump concrete was temporarily increased above the four inch limit but held within the six inch inadvertency margin on a few batches to prevent plugging of pump lines. The inspector examined NCR CD-1123 and CD-1124 on the subject and examined concrete test cylinder strength data. Concrete test cylinder strength data results were above design requirements. This item is closed.