



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II
101 MARIETTA ST., N.W., SUITE 3100
ATLANTA, GEORGIA 30303
JUN 19 1981

Report Nos. 50-424/81-06 and 50-425/81-06

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

Facility Name: Vogtle

Docket Nos. 50-424 and 50-425

License Nos. CPPR-108 and CPPR-109

Inspection at Vogtle Site near Waynesboro, Georgia

Inspector: J. R. Harris 6/16/81
J. R. Harris Date Signed

Approved by: T. E. Conlon 6-17-81
T. E. Conlon, Section Chief Date Signed
Engineering Inspection Branch
Engineering and Technical Inspection Division

SUMMARY

Inspection on June 2-~~6~~, 1981

Areas Inspected

This routine, unannounced inspection involved 32 inspector-hours on site in the areas of structural concrete, construction status and previously identified items.

Results

Of the three areas inspected, no violations or deviations were identified in two areas; one violation was found in one area (Failure to control concrete vibration in accordance with procedure - paragraph 6).

REPORT DETAILS

1. Persons Contacted

Licensee Employees

- K. M. Gillespie, Construction Project Manager
- *H. H. Gregory, III, Assistant Construction Project Manager
- *C. R. Miles, QA Field Supervisor
- *E. D. Groover, QA Site Supervisor
- *M. H. Googe, Manager Field Operations
- *B. C. Harbin, Civil Project Section Supervisor
- *D. C. Garner, QA Field Representative
- *J. E. Seagraves, Civil QC Section Supervisor
- *R. W. McManus, Manager Quality Control

Other licensee employees contacted included four construction craftsmen, two technicians and four office personnel.

Other Organizations

- *J. Duffy, General Superintendent, Walsh Construction Company
- *D. P. Armstrong, Civil Resident Engineer, Bechtel

*Attended exit interview

2. Exit Interview

The inspection scope and findings were summarized on June 5, 1981 with those persons indicated in paragraph 1 above.

3. Licensee Action on Previous Inspection Findings

(Closed) Infraction (424/81-01-01): Failure to sample concrete test cylinders. The inspector examined the licensee's response dated March 3, 1981 and implementation of the response. A new method has been established to track sampling and testing of concrete. This item is closed.

(Closed) Inspector Followup Item (424/79-13-01 and 425/79-13-02): Retrievability of QC records. Examination of records on concrete pour number 2-01C-001, -002, -004 demonstrated that the licensee has updated their records storage systems. Records requested by the NRC inspector were retrieved in a timely manner. This item is closed.

4. Unresolved Items

Unresolved items were not identified during this inspection.

5. Independent Inspection

The inspector observed ongoing work in the power block, results of concrete placements and controls in the soils and concrete testing laboratory.

No violations or deviations were identified.

6. Containment (Structural Concrete II) - Observation of Work and Work Activities, Unit 1)

The inspector observed partial placement of pour numbers A-08B-049 in the auxiliary building and A-11B-067C in the control building. Acceptance criteria examined by the inspector appear in the following documents:

- a. specification X2AP01; Forming, Placing, Finishing and Curing Concrete
- b. Procedure CD-T-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. Activities were continuously monitored by QC personnel. Examination of the batch plant indicated proper mixes were being delivered to specified sites, materials were being controlled and accurate batch plant records were being generated. Samples for temperature, slump, air content, unit weight and strength met frequency requirements.

Observation of placement activities disclosed the following violation. Procedure CD-T-02, "Concrete Quality Control", paragraph VI.E.7 requires the spacing of concrete vibrator insertions to be approximately 18 inches apart. In the lower one-third (approximately 10 feet) of pour number A-08B-049, vibrator insertions were made through openings spaced three-five feet apart in the concrete forms. The size of the openings, one foot wall width, and congestion did not allow the spacing of concrete vibration insertions to be made at the specified 18-inch spacing. Also most of the vibration was being done with pencil vibrators. The specified 18-inch spacing is not adequate for pencil vibrators. Failure to control concrete vibration in accordance with requirements was identified to the licensee as violation number 50-424/81-06-01.

7. Containment (Structural Concrete I) - Review of Quality Records, Unit 2

The inspector examined quality records for pour number 2-01C, -002, -004 in the Unit 2 containment basemat. Acceptance Criteria examined by the inspector appear in the following documents:

- a. Specification X2AP01, Forming, Placing, Finishing and Curing Concrete

b. CD-T-02, Concrete Quality Control

c. PSAR, Sections 3 and 17

Records examined by the inspector included batch tickets, batch plant inspection reports, preplacement inspection, test data for air, slump and temperature, strength results, curing, rebar splicing, aggregate and cement storage, and nonconformance reports.

No violations or deviations were identified.