



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

Report Nos. 50-424/82-28 and 50-425/82-28

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

Facility Name: Vogtle

Docket Nos. 50-424 and 50-425

License Nos. CPPR-108 and CPPR-109

Inspection at Vogtle site near Waynesboro, GA

Inspector: J. R. Harris *fa*

12-15-82  
Date Signed

Approved by: T. E. Conlon  
T. E. Conlon, Section Chief  
Engineering Inspection Branch  
Division of Engineering and Technical Programs

12-15-82  
Date Signed

SUMMARY

Inspection on November 30 to December 3, 1982

Areas Inspected

This routine, unannounced inspection involved 28 inspector-hours on site in the areas of licensee action on previous enforcement matters, structural concrete, and structural backfill.

Results

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

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## REPORT DETAILS

### 1. Persons Contacted

#### Licensee Employees

- \*J. D. Dorough, Assistant Construction Manager
- \*E. D. Groover, QA Site Supervisor
- \*B. C. Harbin, Civil Project Section Supervisor
- \*J. E. Powell, QC Supervisor
- \*G. Deel, QC Inspection Supervisor

Other licensee employees contacted included five construction craftsmen, six technicians, two security force members, and three office personnel.

#### Other Organizations

- \*W. G. Uhouse, Resident Engineer, Bechtel
- \*J. B. McLachlan, Resident Engineer, Bechtel

#### NRC Resident Inspector

- \*W. F. Sanders
- \*Attended exit interview

### 2. Exit Interview

The inspection scope and findings were summarized on December 3, 1982, with those persons indicated in paragraph 1 above. The licensee acknowledged the inspection findings.

### 3. Licensee Action on Previous Enforcement Matters

(Open) Deviation (424,425/82-26-01), Failure to Perform Separate Test Cycles for Each Cadweld Splicing Crew. Examination of records show that measures are now being taken to maintain separate test cycles for each splicing crew. However, this item remains open pending NRC examination of the licensee's written response to this item and implementation of the revised testing program.

### 4. Unresolved Items

Unresolved items were not identified during this inspection.

## 5. Independent Inspection (92706)

The inspector examined the following:

- a. Soils and concrete laboratory and currentness of calibration of laboratory equipment.
- b. Ongoing installation of reinforcing steel and preparation for concrete placements in the Unit 2 power block.
- c. Ongoing backfill operations in the powerblock.
- d. Completed concrete structures in Unit 1 and Unit 2 powerblock.
- e. Ongoing caisson operations in the foundation of the radwaste building.

Within the areas examined, no violations or deviations were identified.

## 6. Containment, Structural Concrete II (47054) - Unit 2

The inspector observed partial placement of pour number 2-010-025 in the Unit 2 containment building access shaft wall, and pour number 1-051-003B in the nuclear service water cooling tower. 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. Examination of the batch plant indicated that proper mixes were being delivered, 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. Concrete placement activities pertaining to delivery time, free fall, flow distance, and consolidation conformed to procedure and specification requirements. Interviews with QC inspection personnel indicated that the QC personnel were knowledgeable in placement and testing requirements. Examination of the pour card showed that the required preplacement inspections were performed by the responsible inspectors. Post placement inspection showed that proper curing controls were being maintained.

Within the areas examined, no violations or deviations were identified.

7. Containment, Structural Concrete II, Review of Quality Records, Unit 1 and Unit 2 (47056)

The inspector examined quality records for fine and coarse concrete aggregates. Acceptance criteria examined by the inspector are listed in paragraph 6.

Records examined were test data from the following tests performed on the aggregates.

- a. Los Angeles Abrasion Test
- b. Percentage of Friable Particles
- c. Light Weight Particles
- d. Specific Gravity and Absorption
- e. Flat and Elongated Particles
- f. Potential Reactivity
- g. Soundness

Examination of test data showed that frequency of testing and results of testing met specification and procedure requirements.

Within the areas examined no violations or deviations were identified.