



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

Report Nos.: 50-424/85-32 and 50-425/85-27

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 Conducted: July 16-19, 1985

Inspector: T. E. Conlon for  
M. D. Hunt

7-30-85  
Date Signed

Approved by: T. E. Conlon  
T. E. Conlon, Section Chief  
Engineering Branch  
Division of Reactor Safety

7-30-85  
Date Signed

SUMMARY

Scope: This routine, unannounced inspection entailed 26 inspector-hours at the site during normal duty hours, in the areas of unresolved items, violations, Instrumentation Procedures and Readiness Review activities.

Results: No violations or deviations were identified.

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## REPORT DETAILS

### 1. Persons Contacted

#### Licensee Employees

- \*M. H. Googe, Project Manager
- \*B. C. Harbin, Manager Quality Control (QC)
- \*E. D. Groover, QA Site Manager
- \*G. A. McCarley, Project Compliance Coordinator
- \*C. Hayes, Vogtle QA Manager
- \*P. McCall, Assistant Project Section Supervisor, Electrical Field Office
- \*R. E. Duke, Project Section Supervisor, Electrical Field Office
- \*G. Glasscock, Engineering Supervisor, Electrical Field Office

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

#### Other Organization

- \*J. Mamon, Project Field Engineering - Quality Engineer, Bechtel Power Corp.

#### NRC Resident Inspectors

W. Sanders  
J. Rogge  
R. Schepens

- \*Attended exit interview

### 2. Exit Interview

The inspection scope and findings were summarized on July 19, 1985, 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.

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

### 3. Licensee Action on Previous Enforcement Matters

(Closed) Unresolved Item 50-424, 425/82-25-01, Field Change Notice Procedure Clarification - This item was the result of a review of procedures DC-A-01, Drawing Control IV and DC-A-03, Change Requests and Notices which identified a condition relating to work performed by Field Change Requests (FCR) that are later disallowed. There appeared to be no provision for evaluating or redoing the work if the FCR was rejected. The licensee was working on a revision to procedure DC-A-03 when the condition was identified and later

completed the revision which included instructions to all involved disciplines for evaluating work performed on rejected FCRs. This item is closed.

(Closed) Violation 50-424, 425/84-35-01, Failure to Establish a Documented QA Program for Safety-Related Work Done by Protection Engineering. The licensee's response dated January 18, 1985, acknowledged the violation and committed to develop a comprehensive and fully controlled QA program to meet the applicable equipments of the QA program related to GPC's nuclear projects. The inspector reviewed System Protection Section (SPS) Note 28 which was issued March 25, 1985, to meet the requirements of ANSI N45.2.11 required by the plant Vogtle QA Program. The SPS Note 28 was found adequate for the purpose intended. This item is closed.

(Closed) Unresolved Item 50-424, 425/84-35-02, Voiding Previous Cable Termination Inspections. This item identified a concern for the voiding of previously documented terminations when additional terminations are made at the same terminal block point. Procedure ED+T-08 Rev. 5 "Cable Termination" now requires documentation of any lugs that are determined and relanded during cable terminations. The documentation is accomplished on the back of the termination card. This item is closed.

(Closed) URI 50-424, 425/85-10-01, Review Approval Requirements for Cable Pulling Calculations. The inspector reviewed the completed records for several power cables that had been pulled by mechanical methods. The electrical engineering department had calculations and records that verified the information found in the permanent records vault with the cable pull card. This item is closed.

#### 4. Unresolved Items

Unresolved items were not identified during the inspection.

#### 5. Independent Inspection Effort

##### a. Construction Progress

The inspector conducted a general inspection of areas where cables were being installed and terminated.

The control room cabinet area was congested due to termination activities. QC personnel were in the area observing the activities. The craftsmen interviewed were knowledgeable and appeared interested in performing their work in a proper manner.

The housekeeping and storage of electrical materials appeared adequate but care must be exercised to insure that the areas remain clean and uncluttered.

b. Readiness Review (RR) Comments

There seems to be a large number of findings that will require evaluation for reportability. In reviewing a sample of the findings for module 6 it was noted that there could be a considerable time lag between the time the finding is identified and the time it is evaluated. An overall observation is that the Readiness Review Program has resulted in an increase in the number of items to be reviewed for reportability over the number that would normally develop on the site. Provisions should be made to insure adequate qualified review personnel are on hand to perform this evaluation.

A problem with the flow of RR findings was identified by the GPC QA Engineering Support group. The problem was basically the same concern that the inspector identified. As the result of the weakness identified, a definite pattern for the flow of RR findings was established to insure compliance with the Vogtle Project Readiness Review Program Procedures, Section 9.4 Discrepancy Reporting. All findings relating to construction and engineering deficiencies will be evaluated by the construction QA section and operating deficiencies will be evaluated by operations QA.

6. Instrument Components and Systems - Procedure Review (52051)

The inspector reviewed construction procedure GD-T-20, Control of Instrumentation components which establishes the method for controlling and handling instrumentation components and bulk materials. It further describes a means for maintaining a component history from receipt to turnover for operation. This procedure references several other field procedures for cable installation and termination, receipt inspection, storage and handling, nonconformance control, inspector qualification and certification and other site specific generic procedures.

The QC receipt inspector and QC document review personnel verify that the documentation for manufacture and testing of materials meets the specification requirements. The inspector also verifies the proper storage classification. Additional review of other procedures relating to the installation of instrumentation components will be made during subsequent inspections.

Within the areas examined no violations or deviations were identified.

7. Inspector Followup Item (IFI)

(Closed) IFI 50-424, 425/84-35-03, Followup on Licensee Corrective Actions Regarding Cable Reel Storage in the Power Block. The inspector examined cable reels which had been moved into the diesel generator building, the containment building and the auxiliary building to determine that adequate protection was being provided for the cable reels during cable installation and storage. The cable reel storage area on the auxiliary building roof was also examined and in all areas the cable reels appeared to have adequate protection in the form of covers or the remoteness of the area in which they had been placed. This item is closed.