



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

Report Nos.: 50-424/84-21 and 50-425/84-21

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 Dates: June 26 - August 2, 1984

Inspection at Vogtle site near Waynesboro, Georgia

Inspector:

W. F. Sanders
W. F. Sanders

8/10/84
Date Signed

Approved by:

V. W. Panciera
V. W. Panciera, Section Chief
Division of Reactor Projects

8/13/84
Date Signed

SUMMARY

Scope: This routine unannounced inspection involved 200 inspector-hours on site in the areas of in-place storage of electrical equipment, fire protection, test of emergency diesel pumps, and general observation of work in progress on electrical cable installations.

Results: Of the four areas inspected, no violations or deviations were identified.

REPORT DETAILS

1. Persons Contacted

Licensee Employees

- *H. H. Gregory III, General Manager Vogtle Nuclear Construction Dept.
- *M. H. Googe, Project Construction Manager
- *D. M. Fiquett, Manager of Field Construction Operations
- *E. C. Harbin, Manager of Engineering Support
- *E. D. Groover, Quality Assurance Site Manager
- *R. W. McManus, Manager of Quality Control
- *G. A. McCarley, Project Compliance Coordinator
- *C. T. Davis, Sr. Quality Assurance Field Representative
- *W. C. Gabbard, Assistant Project Compliance Coordinator

Other Organizations

- *D. L. Kinnsch, Bechtel Project Engineering Field
- *D. Murphy, Oglethorpe Construction Engineer

*Attended exit interview

2. Exit Interview

The inspection scope and findings were summarized on August 2, 1984, with those persons indicated in paragraph 1 above. The licensee acknowledged the inspection findings.

3. Licensee Action on Previous Inspection Findings

- a. (Closed) Violation (424, 425/83-18-01): Failure to Control a Special process in the Non Destructive Examination (NDE) of the Closure Head Cladding. The licensee letter of response dated December 14, 1983, was reviewed and determined acceptable after the No. 1 Closure Head Cladding was re-examined by Liquid Penetrant and repaired as appropriate and the No. 2 Closure Head cleaned, buffed, and Liquid Penetrant examined over 100% of the cladded area with no repairs necessary.
- b. (Closed) Violation (424/84-11-01): Failure to Protect Electrical Equipment During Installation. This item is closed based on the licensee response of July 11, 1984, and the results of two subsequent inspections conducted by the Resident Inspector.

4. Unresolved Items

Unresolved items were not identified during this inspection.

5. Independent Inspection Effort (92706B)

Periodic inspections were made throughout this reporting period in the form of general type inspections in different areas of both facilities. The areas were selected on the basis of the scheduled activities and were varied to provide wide coverage. Observations were made of activities in progress to note defective items or items of noncompliance with the required codes and regulatory requirements. On these inspections, particular note was made of the presence of quality control inspectors, supervisors, and quality control evidence in the form of available process sheets, drawings, material identification, material protection, performance of tests, and housekeeping.

Interviews were made with craft personnel, supervisors, coordinators, quality control inspectors, and others as they were available in the work areas.

6. ASME Survey for "N" Stamp (92706B)

The job site implementation portion of the renewal survey for ASME "N" (N2261-9) Certificate of Authorization issued to Bechtel Power Corporation for the Vogtle project was performed on July 16-18, 1984. The Draft 1 to Revision 8 of the Vogtle Bechtel Quality Assurance ASME 11, Div. 1 Manual was accepted with comments by the ASME team leader and the authorized Nuclear Inspector Supervisor. During the implementation portion of the survey, the team found the Bechtel Quality Assurance Manual activity to be effectively implemented and will recommend to the Society that the "N" Certificate of Authorization issued to the Vogtle project be renewed.

7. Fire Prevention/Protection (42051C)

An inspection was made to observe fire prevention and protection activities throughout the construction site in areas containing combustible materials where the ignition of these materials could damage safety related structures, systems, or components. The following areas were inspected:

- a. The fire retardancy of protective coverings.
- b. Inspected for unnecessary accumulations of combustible forms, form lumber, shoring or scaffolding.
- c. Fire extinguishers located in areas of activity, properly tagged, and readily available.
- d. Flammable liquids, Epoxy materials, sealers, primers and thinners stored in appropriate containers in metal cabinets in a location away from flammables. Three storage areas, each with three metal cabinets located in the Auxiliary Building, were inspected for the liquids in appropriate containers located away from flammables, adequate ventilation and attachment of grounding straps to provide neutralization of static charge.

- e. Cutting and welding processes were inspected as the activities were in progress in the Auxiliary Building, Primary Containment and Control Room. Appropriate permits were posted. It was noted that a fire watchman with extinguisher was posted in the Control Room while a welding operation was in progress.
- f. Throughout the inspections, it was noted that signs denoting the prohibition of smoking were posted where appropriate.
- g. Throughout the inspections, consisting of three trips though the Power Block and adjacent areas, particular observations were made for the accumulation of combustible trash that could create a fire hazard. Although there is a certain amount of combustible material inherent in the construction of the plant, the Inspector noted that there is a continuing cleanup activity which keeps the accumulation to a minimum.
- h. An inspection was made of twelve randomly selected hose houses. Six were located throughout the inside of the Auxiliary Building, Control Building and Unit 1 Primary Containment. Four were located outside in the equipment storage area, and two were in the Unit 2 Primary Containment. The hose houses are located over fire hydrants which are arranged at different intervals along the fire water system. This inspection was made to the requirements of Georgia Power Field Procedure SD-T-05 Rev. 4, which requires each hose house to have an equipment inventory that meets Nuclear Mutual Limited (NML) Insurance guidelines such as min. 300' feet of hose, spray nozzle, required wrenches, flashlight and pry bars. The inspector noted that all of the houses inspected, the required amount of hose was intact with appropriate tags to verify the annual hydrotest. It was also noted that the other required equipment was inside and the houses secured with breakaway locks on the doors.
- i. Throughout the inspection tours, attention was given to the ready availability of portable fire extinguishers which are located throughout the existing buildings, in vehicles and in areas where other fire protection is not readily available and where prompt fire protection is needed should a fire emergency arise. Extinguishers were randomly selected and inspected for compliance with G.P.C. Field Procedure SD-T-05 Rev. 4.
- j. An inspection and witness was made of the weekly test, 7-25-84, of the emergency, diesel-driven, fire water pumps and their associated equipment. The inspection and testing of the pumps is done to ensure operability and satisfy the NML Insurance standards and requirements of G.P.C. Procedure SD-T-04 Rev. 6, "Fire Waters Pump Inspection and Testing". This is the governing procedure which lists specific inspections to be performed prior to starting the diesel engines, during, and after the engines have run 30 minutes.

- k. An inspection was made of the Quality Assurance audits performed between March 29, 1979 and April 19, 1984, on the fire protection program. Particular attention was given to the audit depth, extent of coverage, findings, evaluation, resolution follow-ups and general improvement trends. The audits reviewed are listed below:

MD-12-79-4	March 29, 1979
MD-12-80-9	March 21-31, 1980
MD-12-80-36	August 19-28, 1980
MD-12-81-26	April 30 - May 8, 1981
MD-12-81-67	September 1-28, 1981
MD-12-81-101	December 30, 1980 - February 2, 1981
MD-12-82-46	May 10-20, 1982
MD-12-82-62	May 20-25, 1982
MD-12-82-103	August 23 - September 7, 1982
MD-12-82-137	November 22, 1982 - January 12, 1983
MD-12-83-27	April 5-8, 1983
MD-12-83-62	July 5-18, 1983
MD-12-83-93	September 25 - October 7, 1983
MD-12-83-119	December 30, 1983 - January 5, 1984
MD-12-84-31	April 10-19, 1984

No violations or deviations were identified.

8. Drug and Alcohol Program (92706B)

During this reporting period, the Inspector joined a drug search team to observe the activity. The search was conducted by Specialists who used dogs that were trained to find drugs and explosives by scent. This search was conducted in the Unit 1 Steam Tunnel between the Primary Containment and the Turbine Building, with the search focusing on numerous tool boxes and offset areas in the array of pipes and supports. The inspector was informed that the dog handlers had samples of drugs and explosive materials to check or calibrate the dogs effectively. The total search activity consisted of two teams, each with a dog, and included the Primary Containment and Power Block. The inspector was informed that there were no drugs found in the complete search. Subsequent to the search, the Inspector attended a meeting held by the Vogtle Drug Coordination Committee on August 1, 1984, where all facets of the program were reviewed for problems and possible improvements. The results of the screening process disclosed and the results of the site search would conclude that the program is effective in keeping drugs off the site.