



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

JAN 22 1986

Report No.: 50-424/85-56

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

Docket No.: 50-424

License No.: CPPR-108

Facility Name: Vogtle Unit 1

Inspection Conducted: December 16-20, 1985

Inspector: R. R. Marston for  
A. L. Cunningham

1-22-86  
Date Signed

Accompanying Personnel: E. F. Williams, Jr.

Approved by: T. R. Decker  
for T. R. Decker, Section Chief  
Division of Reactor Safety

1-22-86  
Date Signed

SUMMARY

Scope: This routine, announced inspection involved 60 inspector-hours onsite in the area of emergency preparedness. The purpose of this inspection was assessment of the licensee's readiness for an emergency preparedness appraisal.

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

## REPORT DETAILS

## 1. Persons Contacted

## Licensee Employees

J. Roberts, Emergency Planning Coordinator  
\*G. Bockhold, General Manager Vogtle Nuclear Plant  
\*C. W. Belflower, Quality Assurance, Site Manager, Operations  
\*A. Desrosiers, Superintendent of Health Physics  
\*E. A. Schnell, Health Physics Operations Supervisor  
\*P. D. Rushton, Superintendent of Nuclear Training  
\*J. M. Diluzio, Supervisor, Nuclear Emergency Planning  
\*C. Hayes, Quality Assurance Manager  
\*G. E. Spell, Jr., Quality Assurance Engineering Support Superintendent  
\*S. C. Ewald, Manager, Radiological Safety

Other licensee employees contacted included technicians, operators, and office personnel.

## Other Organizations

\*W. E. Carnes, Enercon Services (Consultant)  
\*J. J. Ghannadian, UESC (Consultant)

## NRC Resident Inspectors

\*J. F. Rogge  
\*R. J. Schepens

\*Attended exit interview

## 2. Exit Interview

The inspection scope and findings were summarized on December 20, 1985, with those persons indicated in paragraph 1 above. 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

This item was not inspected.

## 4. Unresolved Items

Unresolved items were not identified during this inspection.

## 5. Administration of the Emergency Preparedness Program

A site emergency preparedness coordinator has been appointed and is actively engaged in assisting in the development of a site emergency response organization, as well as providing required assistance to plant and offsite support agencies and organizations. The inspectors emphasized to licensee representatives the necessity to clearly define the roles and responsibilities of corporate and plant emergency preparedness programs and personnel. Additionally, the inspectors defined the need for adequate personnel resources and training required to implement and maintain an effective program.

Emergency preparedness program administration was established, and appeared to be adequately staffed and effective. Licensee management appeared to be committed to development and maintenance of an effective program.

## 6. Emergency Organization

A cursory review of the licensee's emergency organization was conducted. The review included the emergency plans and procedures, notification call-lists, and discussions with cognizant members of the emergency organization. In view of the recent issuance of Revision 2 of the emergency plan and required review thereof, this item will be reviewed in detail during the emergency preparedness appraisal.

## 7. Training

The emergency preparedness training program overview included review of the training manual, procedures, randomly selected lesson plans, and discussion with cognizant licensee representatives. At the time of inspection, a fully developed training program was in progress. The inspector reviewed preliminary matrices which tracked training requirements as well as completed and projected training scheduled for site response organization principals. An identical matrix development is in progress which addresses all response organization and support personnel.

The inspector discussed the use of drills as a training method. Inspection disclosed that the licensee is planning drills for emergency response facility decision makers and required support personnel. Medical and fire drills involving local support agencies have been held.

Licensee plans for training State (Georgia and South Carolina) and local support organizations and personnel were discussed with cognizant licensee representatives. Licensee plans include initial and annual retraining programs for offsite medical, fire, and security support organizations. This item will be reviewed in detail during the emergency preparedness appraisal.

## 8. Emergency Response Facilities and Equipment

### a. Control Room (CR)

The inspector conducted a brief tour of the Control Room and observed locations of the instrument and control panels, and the SPDS displays available to the facility. The status of construction precluded a detailed inspection of the facility. This item will be reviewed during the appraisal.

### b. Technical Support Center (TSC)

At the time of inspection, work was still in progress in the TSC. Cognizant licensee representatives stated that the TSC was approximately 90% completed. Items requiring completion included the remote control PASS module and console, electrical service, furniture, SPDS display module wiring, status boards, and telephone installations. The TSC is provided with an HVAC ventilation system which is manually actuated to initiate and maintain required habitability. Current plans and procedures require that the subject system will be actuated following declaration of an Alert emergency classification. This facility is scheduled for turnover operations in early January 1986. This area will be reviewed during the emergency preparedness appraisal.

### c. Emergency Operation Facility

The EOF was completed and provided with all required equipment including the SPDS display modules. The EOF is located within the training center, approximately 1 mile from the plant site boundary. The reactor simulator is located within the training center and provides the capability to drive the SPDS modules located within the EOF and TSC.

### d. Operational Support Center (OSC)

The inspectors toured the OSC which is located in the lunch room on the second floor of the Maintenance Building. Completion of equipment designated for operation of this facility requires installation of telephones, and provision of necessary status boards. Cognizant licensee representatives stated that this facility will be completed prior to the proposed scheduled emergency preparedness appraisal. The backup OSC is located in the rear area of the TSC. Nonessential personnel will be evacuated to the EOF.

### e. Post Accident Sampling System (PASS)

An inspection of portions of the reactor coolant/containment air sampling system was conducted. At the time of inspection, the system

was not complete. This area will be reviewed during future inspections.

f. Meteorological Measurements Systems

Primary (60 meters) and backup (10 meters) meteorological towers are located at the plant site. The licensee has established a program for calibration and maintenance of meteorological instrumentation. The current program appears to be consistent with guidance promulgated in Regulatory Guide 1.23.

g. Prompt Notification System (PNS)

The prompt notification system was discussed in detail with cognizant licensee representatives. Licensee representatives stated that the subject system will use both sirens and NOAA Tone Alert Radio receivers. Definitive plans were not yet finalized. This item will be reviewed in detail during the scheduled emergency preparedness appraisal.

h. Other Support Facilities

The inspectors reviewed the status of licensee onsite and offsite support facilities, namely: plant health physics and chemistry laboratories; and offsite expanded support facilities including fire response and the emergency news center (ENC). Inspection disclosed that plant health physics and chemistry laboratories were under construction. Turnover of these facilities was not stated by licensee representatives.

The inspector toured the offsite medical treatment facilities which included the Humana Hospital located in Augusta, Georgia, and the Burke County Community Hospital near Waynesboro, Georgia. The Humana facility has completed an initial drill. Remaining construction and required preparation will be completed prior to the scheduled emergency preparedness appraisal. The new Burke County Hospital, currently under construction, is scheduled for full use prior to the projected full scale emergency preparedness exercise.

Inspection also included a tour of the Burke County Emergency Management facility currently under construction. The facility includes the fire department, county security and emergency communication center, and the State of Georgia Near-Site Emergency Operations Center. Facility construction is scheduled for completion and initial operation prior to the emergency preparedness appraisal. All support facilities will be reviewed during the referenced appraisal.

i. Protective Equipment

During inspection, cursory evaluation of selected items of protective equipment was confined to the EOF. This area will be reviewed during the

emergency preparedness appraisal for applicable emergency response facilities.

9. Plans and Procedures

The licensee has developed a radiological emergency plan for the Vogtle facility. Revision 2 of the Plan was released in December 1985. Most emergency plan implementing procedures have been developed and approved. The licensee identified a need for 32 implementing procedures. As of the date of the inspection, 29 procedures have been completed and are involved in the approval process. Additional work remains on procedures addressing security, offsite dose assessment, and support to the Hatch facility. Approval of all procedures are projected for February 15, 1986.

The licensee's program for review and distribution of the emergency plan was evaluated. The licensee has committed to review the emergency plan at least annually. The document control program for the licensee's General Office regulates control copy distribution of emergency plans and procedures. This includes distribution to groups within licensee organization and to offsite support agencies.

10. Drills and Audits

The licensee's program for emergency preparedness drills and audits was not reviewed. This area will be reviewed during the emergency preparedness appraisal.