



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

ENCLOSURE 1

EXAMINATION REPORT - 50-424/92-300

Facility Licensee: Georgia Power Company

Facility Name: Vogtle Electric Generating Plant

Facility Docket Nos.: 50-424 and 50-425

Examinations were administered at the Vogtle Electric Generating Plant near Waynesboro, Georgia.

Chief Examiner: George T. Hopper 8/11/92  
George T. Hopper Date Signed

Approved By: Lawrence L. Lawyer 8/11/92  
Lawrence L. Lawyer, Chief Operator Licensing Section 1  
Division of Reactor Safety Date Signed

SUMMARY

Scope: On June 2, 1992 and June 22, 1992, written examinations and operating tests were administered to two Senior Reactor Operator (SRO) applicants.

Results: Both applicants passed these examinations.

Strengths were noted in the areas of communication and coordination between operators during transients, and in procedural usage (paragraph 4.c).

No generic weaknesses were observed. However, several procedural anomalies were identified during the examination (paragraph 4.d).

## REPORT DETAILS

### 1. Persons Contacted

- \* H. Beacher, Senior Engineer, Technical Support
- \* J. Beasley, Assistant General Manager
- \* R. Brown, Supervisor of Operator Training
- \* B. Burmeister, Engineering Manager
- \* P. Burwinke<sup>1</sup>, Plant Engineering Supervisor
- \* S. Chesnut, Manager of Technical Support
- \* R. Dorman, Training Manager
- \* G. Frederick, Manager of Maintenance
- \* J. Gasser, Unit Superintendent
- \* K. Homes, Manager of Health Physics and Chemistry
- \* J. Hopkins, Shift Superintendent
- \* R. LeGrand, Operations Manager
- \* T. Mazingo, Superintendent of Operations
- \* B. Shipman, General Manager

Other licensee employees contacted included training department personnel, operators, and office personnel.

### 2. Examiners

- \* M. Ernstes, Chief Examiner, NRC, Region II
- \* B. Paagensen, Sonalysts Inc.
- G. Hopper, Chief Examiner, NRC, Region II
- \* E. Lea, NRC, Region II
- \* L. Lawyer, Section Chief, NRC, Region II
- R. Temps, NRC, Region I

### 3. Other NRC Personnel Attending Exit

B. Bonser, Senior Resident Inspector  
R. Starkey, Resident Inspector

- \* Attended exit interview

### 4. Discussion

#### a. Examination Results

Operating tests were administered to two candidates on June 2, 1992. The written examination was administered to these candidates on June 22, 1992, while the NRC was onsite to observe the annual requalification examinations. Both candidates passed the examination.

#### b. Reference Material

The reference material supplied by the facility was well organized and met the requirements set forth in NUREG 1021, ES-201 (Examiner's Standards). No additional material was needed to develop the examination.

c. Operator Performance

In general, the candidates performed well on both the operating and written examinations. Communications between the operators was noted to be good, especially during plant transients. The candidates utilization of the Annunciator Response Procedures and Emergency Operating Instructions was also noteworthy.

d. Procedural Problems

During the course of the examination several procedural problems were encountered by the examination team. The affected procedures are listed below with the findings of the examination team.

(1) 13610-1 Auxiliary Feedwater System

Step 4.4.4.2.a stated, "Close the discharge valves to the Steam Generators for the affected pump", (in preparation for venting an auxiliary feedwater (AFW) pump that is vapor bound). The procedure did not specify, by number, which valve or valves were to be closed. In the performance of a JPM which required the candidates to terminate steam binding of an AFW pump, the candidates were unsure as to whether they should close all of the discharge valves downstream of the pump, or just the combined discharge isolation valve.

In the precautions and limitations section of this procedure, step 2.1.4.a directed the operators to maintain steam generator water level in the narrow range whenever temperature is above 212° F. This prevents entry of steam into the feedwater bypass piping, and reduces the possibility of water hammer when feeding the steam generators from the AFW system. Design Change Packages 90-V2N0072 and 90-V1N0175 extended the lower taps of the narrow range level indications by approximately 110 inches. With the installation of the new narrow range level taps, the AFW bypass piping is now at a level corresponding to approximately 50 percent on the narrow range instruments. Water level must now be maintained above 50 % on the narrow range, in order to satisfy the intent of this precaution. A procedure revision suggestion form was immediately submitted by the training department when this item was brought to their attention. Other procedures which specify or refer to narrow range level requirements may have been affected by this modification, in a similar manner. The licensee will perform a review to identify and correct any such procedures.

(2) 18007 Chemical and Volume Control System Malfunction

During the dynamic simulator examination, the candidates immediately isolated letdown upon loss of the operating charging pump. The facility training department considered this to be a good practice, because it prevents the flashing of water in the letdown heat exchanger. Operators have been trained to execute this as the first immediate action. Step B2 of this procedure directed the isolation of letdown only if pressurizer level was not trending to the program band, following the start of the standby charging pump (step B1). Step B5 directed that letdown should be isolated when flow to the letdown heat exchanger was stopped, i.e., charging could not be restored. The sequence of the steps listed in the procedure were not in accordance with the training guidance that has been promulgated to the operators.

5. Exit Meeting

At the conclusion of the site visit, the examiners met with representatives of the plant staff to discuss the results of the examinations and inspection findings. The licensee did not identify as proprietary any material provided to or reviewed by the examiners.

ENCLOSURE 2

SIMULATOR FIDELITY REPORT

Facility Licensee: Georgia Power Company

Facility Name: Vogtle Electric Generating Plant

Facility Docket Nos.: 50-424 and 50-425

Operating Tests Administered On: June 2, 1992

This form is to be used only to report observations. These observations do not constitute, in and of themselves, audit or inspection findings and are not, without further verification and review, indicative of noncompliance with 10 CFR 55.45(b). These observations do not affect NRC certification or approval of the simulation facility other than to provide information which may be used in future evaluations. No licensee action is required solely in response to these observations.

During the conduct of the simulator portion of the operating tests, the following items were observed :

<u>ITEM</u>	<u>DESCRIPTION</u>
None	