



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**

**REGION II  
SAM NUNN ATLANTA FEDERAL CENTER  
61 FORSYTH STREET SW SUITE 23T85  
ATLANTA, GEORGIA 30303-8931**

January 8, 2001

Carolina Power & Light Company  
ATTN: Mr. James Scarola  
Vice President - Harris Plant  
Shearon Harris Nuclear Power Plant  
P. O. Box 165, Mail Code: Zone 1  
New Hill, NC 27562-0165

**SUBJECT: REACTOR AND SENIOR REACTOR OPERATOR INITIAL EXAMINATIONS  
HARRIS NUCLEAR POWER PLANT - 50-400/00-301**

Dear Mr. Scarola:

During the period December 11 - 15, 2000, the Nuclear Regulatory Commission (NRC) administered operating examinations to employees of your company who had applied for licenses to operate the Harris Nuclear Plant. At the conclusion of the examination, the examiners discussed the examination questions and preliminary findings with those members of your staff identified in the enclosed report. The written examination was administered by your staff on December 15, 2000.

Three of three Reactor Operator and two of three Senior Reactor Operator applicants passed both the written and operating examinations. A Simulation Facility Report is included in this report as Enclosure 2.

In accordance with 10 CFR 2.790 of the NRC's "Rules of Practice," a copy of this letter and its enclosures will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARs) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/ADAMS/index.html> (the Public Electronic Reading Room).

Sincerely,  
**/RA/**

Michael E. Ernstes, Chief  
Operator Licensing and  
Human Performance Branch  
Division of Reactor Safety

Docket Nos.: 50-400  
License Nos.: NPF-63

Enclosures: (See page 2)

Enclosures: 1. Report Details

## 2. Simulation Facility Report

cc w/encls:

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NUCLEAR REGULATORY COMMISSION

REGION II

Docket Nos.: 50-400

License Nos.: NPF-63

Report No.: 50-400/2000-301

Licensee: Carolina Power & Light Company

Facility: Harris Nuclear Power Plant

Location: P. O. Box 165, Mail Code: Zone 1  
New Hill, NC 27562-0165

Dates: Operating Tests - December 11 - 14, 2000  
Written Examination - December 15, 2000

Examiners: Richard S. Baldwin, Chief, Senior Operations Engineer  
Bobby L. Holbrook, Senior Project Engineer  
Glen W. Salyers, Emergency Preparedness  
Specialist/Operations Engineer

Approved by: Michael E. Ernstes, Chief  
Operator Licensing and Human Performance Branch  
Division of Reactor Safety

Enclosure 1

## SUMMARY OF FINDINGS

### Harris Nuclear Plant NRC Inspection Report 50-400/2000-301

During the period of December 11 - 14, 2000, NRC examiners conducted an announced operator licensing initial examination in accordance with Revision 8, Supplement 1 of "Operator Licensing Examination Standards for Power Reactors." This examination implemented the operator licensing requirements of 10 CFR §55.41, §55.43, and §55.45. No significant issues were identified.

Three Reactor Operator applicants and three Senior Reactor Operator applicants received written examinations and operating tests. The NRC administered the operating tests during the period December 11 - 14, 2000. The licensee administered the written examination on December 15, 2000. Three of three of the Reactor Operator (RO) and two of three of the Senior Reactor Operator (SRO) applicants passed both the written and operating examinations. One SRO applicant failed the operating examination.

## Report Details

### 4. **OTHER ACTIVITIES**

#### 4OA5 Inspection Scope

##### a. Scope

The NRC conducted a regular, announced operator licensing initial examination during the period of December 11 - 14, 2000. Three RO applicants and three SRO applicants received written and operating examinations. The examiners reviewed the licensee's training department's procedures and practices to ensure examination security and integrity.

##### b. Observations and Findings

The facility training staff developed the entire examination in accordance with NUREG-1021, Revision 8, Supplement 1. The examiners reviewed the proposed examination. Examination changes agreed upon between the NRC and the licensee were made according to NUREG-1021. The NRC administered the operating tests December 11 - 14, 2000. Your staff administered the approved written examination on December 15, 2000. There were no findings regarding examination security.

All three RO and two of three SRO applicants passed both examinations. Details of each applicant's deficiencies are described in the individual's examination report, Form ES-303-1, "Operator Licensing Examination Report." Copies of the evaluations have been forwarded under separate cover to the Training Manager in order to enable the licensee to evaluate these deficiencies and provide appropriate remedial training for those operators as necessary.

The licensee did not submitted any post-examination comments concerning the written examination. The licensee submitted the as-given written examinations (ADAMS Accession Number ML010040258).

#### 4OA6 Management Meetings

##### Exit Meeting Summary

The Chief Examiner presented the preliminary examination results to members of the licensee management on December 14, 2000. The licensee acknowledged the examination results presented.

The examiners asked the licensee whether any materials examined during the examination should be considered proprietary. No proprietary information was identified.

## PARTIAL LIST OF PERSONS CONTACTED

Licensee

D. Alexander, Manager - Nuclear Assessment  
A. Barbee, Superintendent - Operations Training  
C. Burton, Director - Site Operations  
B. Duncan, Plant General Manager  
T. Hobbs Manager - Operations  
W. Killelte, RO Lead Instructor  
E. McCartney, Supervisor - Licensing  
M. Munroe, Superintendent - Operations Support  
M. Palmer, Manager - Shift Operations  
J. Scarola, Harris Nuclear Plant, Site Vice President  
A. Sylvester, Principle Specialist - Operations Initial Training  
L. Taylor, SRO Lead Instructor  
T. Toller, Instructor

## SIMULATION FACILITY REPORT

Facility Licensee: Harris Nuclear Plant

Facility Docket No.: 50-400/2000-301

Operating Tests Administered on: December 11 - 14, 2000

This form is to be used only to report observations. These observations do not constitute 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 that may be used in future evaluations. While conducting the simulator portion of the operating tests, no fidelity or configuration items were observed.