



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

December 16, 2004

Carolina Power & Light Company
ATTN: Mr. C. J. Gannon
Vice President
Brunswick Steam Electric Plant
P. O. Box 10429
Southport, NC 28461

SUBJECT: BRUNSWICK STEAM ELECTRIC PLANT - NRC EXAMINATION REPORT
05000325/2004301 AND 05000324/2004301

Dear Mr. Gannon:

During the period November 1 - 10, 2004, the Nuclear Regulatory Commission (NRC) administered operating tests to employees of your company who had applied for licenses to operate the Brunswick Steam Electric Plant. The written examination was administered by your staff on October 29, 2004. 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.

All five Reactor Operator (RO) applicants and all five Senior Reactor Operator (SRO) applicants passed both the written examination and operating test. There were no post examination comments. A Simulation Facility Report is included as Enclosure 2.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure 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/reading-rm/adams.html> (the Public Electronic Reading Room).

Should you have any questions concerning this letter, please contact me at (404) 562-4647.

Sincerely,

/RA/

James H. Moorman, III, Chief
Operator Licensing Branch
Division of Reactor Safety

Docket Nos.: 50-325, 50-324
License Nos.: DPR-71, DPR-62

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.: 50-325, 50-324

License Nos.: DPR-71, DPR-62

Report Nos.: 05000325/2004301, 05000324/2004301

Licensee: Carolina Power & Light (CP&L)

Facility: Brunswick Steam Electric Plant, Units 1 & 2

Location: 8470 River Road SE
Southport, NC 28461

Dates: Operating Tests - November 1 - 10, 2004
Written Examination - October 29, 2004

Examiners: R. Baldwin, Chief Examiner, Senior Operations Engineer
E. Lea, Senior Operations Engineer
T. Kolb, Operations Examiner

Approved by: J. Moorman, III, Chief
Operator Licensing Branch
Division of Reactor Safety

SUMMARY OF FINDINGS

ER 05000325/2004301, ER 05000324/2004301; 11/1 - 10/2004 and 10/29/2004; Brunswick Steam Electric Plant, Units 1 & 2; Licensed Operator Examinations.

The Brunswick training staff developed the written examination and operating tests. This included all outlines, written examinations, job performance measures (JPMs) and scenarios. The NRC examiners conducted operator licensing initial examinations in accordance with the guidance of NUREG-1021, Draft Revision 9, "Operator Licensing Examination Standards for Power Reactors." This examination implemented the operator licensing requirements identified in 10 CFR §55.41, §55.43, and §55.45.

The NRC administered the operating tests on November 1 - 10, 2004. The Brunswick training staff administered the written examination on October 29, 2004. Five Reactor Operators (RO) and five Senior Reactor Operators (SRO) passed both the operating tests and written examinations. All applicants were issued operator licenses commensurate with the level of examination administered.

No significant issues were identified.

Report Details

4. OTHER ACTIVITIES (OA)

4OA5 Operator Licensing Initial Examinations

a. Inspection Scope

The licensee developed operating tests and written examinations in accordance with NUREG-1021, "Operator Licensing Examination Standards for Power Reactors," Draft Revision 9. The NRC examination team reviewed the proposed examinations. Examination changes agreed upon between the NRC and the licensee were made according to NUREG-1021 and incorporated into the final version of the examination materials.

The examiners reviewed the licensee's examination security measures while preparing and administering the examinations to ensure examination security and integrity complied with 10 CFR 55.49, "Integrity of examinations and tests."

The examiners used the guidelines specified in NUREG-1021 to evaluate five RO and five SRO applicants. The examiners administered the operating tests during the period of November 1 - 10, 2004. Members of the Brunswick Steam Electric Plant training staff administered the written examination on October 29, 2004. The evaluations of the applicants and review of documentation were performed to determine if the applicants, who applied for licensees to operate the Brunswick Steam Electric Plant, met requirements specified in 10 CFR Part 55.

b. Findings

No findings of significance were identified.

The licensee's final examination submittal was within the range of acceptability expected for a proposed examination. All five RO and all five SRO applicants passed both the operating tests and written examinations. The RO and SRO written examinations, answer keys and examination references may be accessed in the ADAMS system (ADAMS Accession Numbers ML043240087, ML043240089, and ML 043240084).

4OA6 Meetings

Exit Meeting Summary

On November 10, 2004, the examination team discussed generic issues with Mr. C. Gannon and members of his staff. The inspectors asked the licensee whether any materials reviewed during the examination should be considered proprietary. No proprietary information was identified.

PARTIAL LIST OF PERSONS CONTACTED

Licensee personnel

C. Gannon, Vice President, BNP
T. Cleary, Director of Site Operations
D. Dicello, Manager, Nuclear Assessment
P. Dubrouillet, Shift Superintendent
J. Gawron, Manager, Training
D. Hinds, Plant General Manager
J. Leviner, Operations Training
G. Miller, Lead Engineer, Support Services
E. O'Neil, Manager, Support Services
C. Robert, Operations Training
J. Titrington, Superintendent, Training
M. Williams, Manager, Operations

NRC personnel

G. DiPaolo, Senior Resident Inspector
J. Austin, Resident Inspector

SIMULATION FACILITY REPORT

Facility Licensee: Brunswick Steam Electric Plant

Facility Docket Nos.: 05000325, 05000324

Operating Tests Administered on: November 1 - 10, 2004

This form is to be used only to report observations. These observations do not constitute audit or inspection findings and, without further verification and review, are not 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. No licensee action is required in response to these observations.

While conducting the simulator portion of the operating tests, examiners observed the following items:

<u>ITEM</u>	<u>DESCRIPTION</u>
1.	The Suppression Pool Temperature on the Emergency Response Facility Information System (ERFIS) intermittently spiked during the scenarios.
2.	The Standby Gas Treatment System (SBGT) exceeded the design flow rate with one train in operation.