



UNITED STATES
NUCLEAR REGULATORY COMMISSION

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

September 12, 2007

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

SUBJECT: BRUNSWICK STEAM ELECTRIC PLANT - NRC EXAMINATION REPORT
05000325/2007301 AND 05000324/2007301

Dear Mr. Scarola:

During the period of July 16-22, 2007, the Nuclear Regulatory Commission (NRC) administered operating examinations to employees of your company who had applied for licenses to operate the Brunswick Steam Electric Plant. The examiners discussed examination questions and preliminary findings related to the operating test with those members of your staff identified in the enclosed report on July 23, 2007. The written examination was administered by your staff on August 3, 2007. The Chief Examiner discussed questions and preliminary findings related to the written examination with members of your staff on September 12, 2007.

Three Reactor Operator (RO) applicants passed both the operating test and written examination. Four RO applicants failed the written examination and two Senior Reactor Operator (SRO) applicants failed the walkthrough portion of the operating test. There were no post examination comments. A Simulation Facility Report is included in this report as Enclosure 2.

In accordance with 10 CFR 2.390 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/reading-rm/adams.html> (the Public Electronic Reading Room).

Sincerely,

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Robert C. Haag, Chief
Operations 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

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(cc cont'd - See page 3)

CP&L

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(cc cont'd)

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ADAMS: Yes ACCESSION NUMBER: ML072560002

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NAME	MBates	BCaballero	RHaag	RMusser			
DATE	9/12/2007	9/12/2007	9/12/2007	9/12/2007			
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

NUCLEAR REGULATORY COMMISSION

REGION II

Docket Nos.: 50-325, 50-324

License Nos.: DPR-71, DPR-62

Report Nos.: 05000325/2007301, 05000324/2007301

Licensee: Carolina Power and Light (CP&L)

Facility: Brunswick Steam Electric Plant, Units 1 & 2

Location: 8470 River Road SE
Southport, NC 28461

Dates: Operating Tests - July 16-22, 2007
Written Examination - August 3, 2007

Examiners: M. Bates, Chief Examiner
R. Aiello, Senior Operations Engineer
B. Caballero, Operations Engineer

Approved by: R. Haag, Chief
Operations Branch
Division of Reactor Safety

SUMMARY OF FINDINGS

ER 05000325/2007301, ER 05000324/2007301; 7/16 - 22/2007 and 08/3/2007; 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, 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 during the period of July 16 - 22, 2007. The Brunswick training staff administered the written examination on August 3, 2007. Three RO applicants passed both the operating test and written examination. One RO applicant was issued an operating license; however, two of the RO applicants who passed the written examination and operating test, passed the written examination with overall scores between 80% and 82%. These two applicants were issued a letter stating that they passed the examination and issuance of their license has been delayed pending any written examination appeals that may impact the licensing decision for their application. Four RO applicants were issued denial letters due to failing the written examination and two SRO applicants were issued denial letters due to failing the walkthrough portion of the operating test.

There were no post examination comments.

No significant issues were identified.

Report Details

4. OTHER ACTIVITIES (OA)

4OA5 Operator Licensing Initial Examinations

a. Inspection Scope

The licensee developed the operating tests and written examinations. The NRC examination team reviewed the proposed examination to determine whether it was developed in accordance with NUREG-1021, "Operator Licensing Examination Standards for Power Reactors," Revision 9. 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 evaluated seven RO applicants and two SRO upgrade applicants who were being assessed under the guidelines specified in NUREG-1021. The examiners administered the operating tests during the period of July 16-22, 2007. Members of the Brunswick Steam Electric Plant training staff administered the written examination on August 3, 2007. The evaluations of the applicants and review of documentation were performed to determine if the applicants, who applied for licenses to operate the Brunswick Steam Electric Plant, met requirements specified in 10 CFR Part 55.

b. Findings

The initial written examination submittal, although not determined to be outside the acceptable quality range as outlined in NUREG-1021, contained flaws that required the examination administration to be delayed. The original agreed upon examination administration date was the week of July 9, 2007. The written examination flaws were corrected and the examination was administered on August 3, 2007. Future examination submittals should incorporate lessons learned from this effort to allow for the original agreed upon schedule to be met.

Three RO applicants passed both the operating tests and written examination. One RO applicant was issued an operating license; however, two of the RO applicants who passed the written examination and operating test, passed the written examination with overall scores between 80% and 82%. These two applicants were issued a letter stating that they passed the examination and issuance of their license has been delayed pending any written examination appeals that may impact the licensing decision for their application. Four RO applicants were issued denial letters due to failing the written examination and two SRO applicants were issued denial letters due to failing the walkthrough portion of the operating test. The written examinations, and examination references may be accessed in the ADAMS system (ADAMS Accession Number ML072550116, ML072550136, ML072550159).

4OA6 Meetings

Exit Meeting Summary

On July 23, 2007, the Chief Examiner discussed generic applicant performance and examination development issues with members of licensee management. The inspectors asked the licensee whether any materials examined during the inspection should be considered proprietary. No proprietary information was identified.

The Chief Examiner discussed questions and preliminary findings related to the written examination with members of the Brunswick staff on September 12, 2007.

PARTIAL LIST OF PERSONS CONTACTED

Licensee

- J. Scarola, Site Vice President
- B. Waldrep, Director Site Operations
- T. Hobbs, Plant General Manager
- S. Howard, Operations Manager
- P. Dubrouillet, Shift Operations Manager
- D. Griffith, Training Manager
- R. Ivey, Support Services Manager
- L. Beller, Operations Training Supervisor
- S. Knotts, Initial Training Supervisor
- A. Pope, Licensing Supervisor
- T. Sherrill, Licensing

NRC

- J. Austin, Senior Resident Inspector

SIMULATION FACILITY REPORT

Facility Licensee: Brunswick Steam Electric Plant

Facility Docket No.: 05000325/05000324

Operating Tests Administered on: July 16-22, 2007

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 in accordance with IP 71111.11, are not indicative of noncompliance with 10 CFR 55.46. No licensee action is required in response to these observations.

While conducting the simulator portion of the operating tests, examiners did not observe any simulation fidelity issues.