



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

SEP 20 1988

Report Nos.: 50-325/88-31 and 50-324/88-31

Licensee: Carolina Power and Light Company
P. O. Box 1551
Raleigh, NC 27602

Docket Nos.: 50-325 and 50-324

License Nos.: DPR-71 and DPR-62

Facility Name: Brunswick 1 and 2

Inspection Conducted: August 22-26, 1988

Inspector: W. M. Sartor Jr. 9/19/88
Date Signed

Approved by: Thomas R. Decker 9/19/88
Date Signed
T. R. Decker, Section Chief
Division of Radiation Safety and Safeguards

SUMMARY

Scope: This routine, unannounced inspection was conducted in the areas of emergency preparedness, and included review of the following programmatic elements: (1) Emergency Plan and Implementing Procedures; (2) emergency facilities, equipment, instrumentation, and supplies; (3) organization and management control; (4) training; and (5) independent reviews/audits.

Results: In the areas inspected, no violations or deviations were identified. The findings of this inspection appeared to indicate that the licensee was prepared to respond effectively to a radiological emergency at the Brunswick Steam Electric Plant.

REPORT DETAILS

1. Persons Contacted

Licensee Employees

- *K. Altman, Maintenance Manager
- R. Barnett, Training Scheduling Coordinator
- *A. Cheatham, Environmental and Radiological Control Manager
- M. Coleman, Training Records Clerk
- *P. Dorosko, Administration Supervisor
- *K. Enzor, Regulatory Compliance Director
- *J. Harness, General Manager
- *A. Hegler, Operations Superintendent
- *R. Helme, Technical Support Manager
- *M. Highsmith, Emergency Preparedness Technical Aide
- *B. Houston, Emergency Preparedness Senior Specialist
- *W. Martin, On-site Nuclear Safety Principal Engineer
- *R. Paulk, Regulatory Compliance Project Specialist
- *A. Richards, Quality Assurance Project Engineer
- B. Saburn, Training Senior Specialist
- J. Smith, Administration Support Director
- L. Tice, Technical Training Specialist

Other licensee employees contacted during this inspection included engineers, operators, security force members, technicians, and administrative personnel.

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- *W. Ruland, Senior Resident Inspector

*Attended exit interview

2. Emergency Plan and Implementing Procedures (82701)

Pursuant to 10 CFR 50.47(b)(16), 10 CFR 50.54(q), Appendix E to 10 CFR Part 50, and Section 7 of the licensee's Radiological Emergency Plan, this area was inspected to determine whether significant changes were made to the emergency preparedness program since the inspection of March 1987, and to assess the impact of any such changes on the overall state of emergency preparedness at the facility.

The inspector reviewed the licensee's system for making changes to the Radiological Emergency Plan (REP) and the Emergency Plan Implementing Procedures (EIPs). By a selective review, the inspector verified that licensee management approved all revisions to the REP and EIPs issued since September 1987, and that these revisions were submitted to the NRC within 30 days of the effective date, as required. Controlled copies of

the REP and EIPs in the Technical Support Center (TSC) were examined and found to be current revisions.

No violations or deviations were identified.

3. Emergency Facilities, Equipment, Instrumentation, and Supplies (82701)

Pursuant to 10 CFR 50.47(b)(8) and (9), 10 CFR 50.54(q), and Section IV.E of Appendix E to 10 CFR Part 50, this area was inspected to determine whether the licensee's emergency response facilities and other essential emergency equipment, instrumentation, and supplies were maintained in a state of operational readiness.

This inspector selectively examined emergency supplies that were maintained in the TSC. This selected review included the inventory sheets, calibration checks for instrumentation, counting of selected items of equipment, and an examination of the periodic maintenance performed. The licensee representative that assisted the inspector was very knowledgeable of the equipment and instrumentation. All items reviewed were found to be properly maintained and in the quantity required.

No violations or deviations were identified.

4. Organization and Management Control (82701)

Pursuant to 10 CFR 50.47(b)(1) and (16) and Section IV. A of Appendix E to 10 CFR Part 50, the area was inspected to determine the effects of changes in the licensee's emergency response organization and/or management control systems on the emergency preparedness program, and to verify that such changes were properly factored into the Emergency Plan Implementing Procedures.

The organization and management of the emergency preparedness program were reviewed and discussed with a licensee representative. The licensee representative indicated that the management control of the emergency preparedness specialist was being changed. The change was occurring because of the realignment of plant staff into either a plant or a non-plant functional area. The Director of Administrative Support, to whom the EP specialist now reports, was being designated as non-plant management. As a result, the EP Specialist was realigned to report to the Director of Regulatory Compliance so as to continue to report to plant management. The effect of this change was discussed with the affected managers as well as the Senior Resident Inspector to determine the impact on the administration/management of the overall emergency preparedness programs. The inspector concluded that the changes would not decrease the effectiveness of the emergency/preparedness program.

No violations or deviations were identified.

5. Training (82701)

Pursuant to 10 CFR 50.47(b)(2) and (15), Section IV. F. of Appendix E to 10 CFR 50, and Section 19 of the Emergency Plan, this area was inspected to determine whether the licensee's key emergency response personnel were properly trained and understood their emergency responsibilities.

The inspector viewed in detail the Emergency Plan Training as contained in Training Instruction TI-306, dated August 10, 1988. The review indicated that although significant progress had been made since the last inspection, continued management attention and support was required. A matrix provided the emergency plan training requirements for the emergency response personnel. A random check of selected training records did not identify any discrepancies. The licensee representative indicated to the inspector that some of the self study modules were still being developed. The representative also acknowledged the need for some of the exams to be modified to more accurately examine the knowledge required of specific emergency response personnel. Walkthroughs and discussions of training with selected members of the emergency organization did not identify any significant problems.

Review of scheduled training also identified the licensee's plan to conduct an off-hours augmentation drill (via telephone as a minimum). Although the original drill was postponed due to other priorities, the licensee committed to conduct such a drill sometime in the near future. The licensee also indicated that plans were being made to have an emergency preparedness representative audit more of the EP training.

No violations or deviations were identified.

6. Independent Review/Audits (82701)

Pursuant to 10 CFR 47(b)(14) and (16) and 10 CFR 50.54(t), this area was inspected to determine whether the licensee had performed an independent review of the emergency preparedness program audit and whether the licensee had a corrective action system for deficiencies and weaknesses identified.

The inspector selectively reviewed records of the emergency preparedness program audit. The audit report for the 1988 audit was not yet available; however, QAA/0021-87-07, the audit report dated September 22, 1987, was reviewed. The audits appeared to be in compliance with NRC requirements.

The inspector also reviewed records for the past exercise critique. The review indicated that the licensee had an Emergency Preparedness Action Item Tracking System in place that was being properly administered to insure corrective action follow-up for deficiencies and weaknesses identified during the annual emergency exercise.

No violations or deviations were identified.

7. Action of Previous Inspection Findings (92701)

(Closed) Information Notice 86-98: Offsite Medical Services. The licensee had established procedures for the transportation of contaminated injured personnel. The adequacy of these current arrangements and the need for back-up hospitals for treatment of the general public, however, will be evaluated by FEMA at a later date.

8. Exit Interview

The inspection scope and results were summarized on August 26, 1988, with those persons indicated in Paragraph 1. The inspector described the areas inspected and discussed in detail the inspection results. Proprietary information is not contained in this report. Dissenting comments were not received from the licensee.