



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II
101 MARIETTA ST., N.W., SUITE 3100
ATLANTA, GEORGIA 30303

Report Nos. 50-324/79-33 and 50-325/79-34

Licensee: Carolina Power and Light Company
411 Fayetteville Street
Raleigh, North Carolina 27602

Facility Name: Brunswick Units 1 and 2

Docket Nos. 50-324 and 50-325

License Nos. DPR-71 and DPR-62

Inspection at Brunswick Site near Southport, North Carolina

Inspectors:

B. R. Messitt

10/4/79
Date Signed

B. T. Moon

10/4/79
Date Signed

Approved by:

W. A. Ruhlman, Acting Section Chief
RONS Branch

10/4/79
Date Signed

SUMMARY

Inspection on August 29-31, 1979

Areas Inspected

This routine, unannounced inspection involved 37 inspector-hours onsite in the areas of calibration of inplant, technical specification required instrumentation, and followup of previous inspection findings.

Results

Of the two areas inspected, no apparent items of noncompliance or deviations were identified in one area; one apparent item of noncompliance was found in one area (Deficiency - Inadequate review of completed data - 324/79-33-01 and 325/79-34-01).

1312 126

7911120 507

DETAILS

1. Persons Contacted

Licensee Employees

- *A. C. Tollison, Plant Manager
- *D. N. Allen, QA Supervisor
- J. Bishop, Plant Engineer
- *J. M. Brown, Operations and Maintenance Superintendent
- *K. E. Enzor, I & C Maintenance Supervisor

Other licensee employees contacted included technicians, operators, mechanics and office personnel.

Other Organizations

- *C. A. Julian, NRC
- NRC Resident Inspector
- *J. Ouzts

*Attended exit interview.

2. Exit Interview

The inspection scope and findings were summarized on August 31, 1979 with those persons indicated in Paragraph 1 above. The item of noncompliance discussed in Paragraph 5b was acknowledged by the licensee.

3. Licensee Action on Previous Inspection Findings

Noncompliance

(Open) (324-325/79-02-09): Failure to establish calibration measures. The inspector reviewed licensee progress on this item. No items of noncompliance or deviations were identified.

4. Unresolved Items

Unresolved items were not identified during this inspection.

5. Calibration

a. Review Conducted

The inspectors conducted a review of the calibration procedures and results as follows:

PT 1.8, APRM Calibration

PT 1.9, LPRM Calibration

MI 3-1P, Reactor Low Water Level # 3 (B21-LIS-N024AB, N031ABCD)

MI 3-3A, Generator Pressure Switch (B21-N023ABCD & L72-N002ABCD)

MI 3-12B, Time Delay Relays (E21-K16AB)

MI 3-15B, Source Range Monitor (D12-K603ABCD)

MI 2-11, Integrator Type 561, Box # 2 (G16F0K603)

CAC-AR-12601262, Drywell Radiation Count Ratemeter Module
and Recorder

CAC-AQH-1260-1,2,3, Containment Atmosphere Particulated and
Gaseous Radioactivity Monitor

The inspectors also monitored the performance of portions of the
following calibrations performed on 8/29/76:

PT 4.1.6PC, Containment Rad Monitors Channel Calibration

PT 1.1.9PC, Average Power Range Monitor-Flow Units

The calibration above were reviewed to verify:

Reviews and approvals were being conducted, and data was
recorded and evaluated.

Test instruments were listed and identified in test results.

Adherence to Technical Specifications required and limiting
conditions for operations.

Technical contents were correct and verification of return of
equipment to service and removal of test equipment was being
done.

The inspectors used one or more of the following acceptance criteria
for evaluating the above items in the calibration program:

Technical Specifications

Brunswick Plant Operating Manual Volume XI, "Quality Assurance"
(Vol. XI)

ANSI N18.7 (1972)

ANSI N45.2

Brunswick Plant Operating Manual Volume XII, "Maintenance Procedures"

b. Failure to Adequately Review Data

As required by 10 CFR 50, Appendix B, Criterion XI, ANSI N18.7 (1972) and implementing document Vol. XI test results are required to be evaluated and approved and out of specification test results require correction.

During a review of PT 1.1.12PC "Reactor Protection System-Main Steamline Hi Radiation", the inspector noted that some data sheets had discrepancies. These discrepancies included (1) "as left" not meeting acceptance criteria, (2) missing minus signs in exponentials and (3) missing exponentials altogether.

During discussion with licensee personnel it was established that the type of equipment being used for this calibration (picoammeter) might be contributory to these discrepancies.

Nonetheless these documents had received two levels of review (Supervisor and QA) and were filed in the vault with these discrepancies. Neither review had identified a problem.

This is an item of noncompliance (324/79-33-01, 325/79-34-01).

c. Failure to Signoff Steps in Sequence

During the monitoring of PT 4.1.6PC "Containment Radiation Monitor Channel Calibration", the inspector noted that certain steps prior to the one being performed had not been signed off. During discussion with the licensee it was verified that these steps had been performed.

Due to the concern that nonperformance of procedural steps could result if this practice continued this is designated an inspector followup item (324/79-33-02, 325/79-34-02).

6. Inclusion of Consumable Items on the "Q" List (324-325/79-02-12)

During discussion with the licensee and the lead inspector involved a new target date of November 1, 1979 was agreed upon for action on this item.