



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

Report Nos.: 50-269/84-34, 50-270/84-33, and 50-287/84-37

Licensee: Duke Power Company
422 South Church Street
Charlotte, NC 28242

Docket Nos.: 50-269, 50-270, and 50-287 License Nos.: DPR-38, DPR-47, and
DPR-55

Facility Name: Oconee 1, 2, and 3

Inspection Conducted: December 11, 1984 - January 10, 1985

Inspectors: C. W. Burger, for 2/8/85
J. C. Bryant Date Signed
C. W. Burger, for 2/8/85
M. K. Sasser Date Signed

Accompanying Personnel: L. P. King

Approved by: H. C. Dance 2/8/85
H. C. Dance, Section Chief Date Signed
Division of Reactor Projects

SUMMARY

Scope: This routine, announced inspection entailed 240 resident inspector-hours on site in the areas of operations, surveillance, maintenance, previously identified items, and emergency drills.

Results: Of the 5 areas inspected, no items of noncompliance or deviations were identified.

REPORT DETAILS

1. Licensee Employees Contacted

- *M. S. Tuckman, Station Manager
- J. N. Pope, Superintendent of Operations
- T. Barr, Superintendent of Technical Services
- J. Davis, Superintendent of Maintenance
- R. Bond, Compliance Engineer
- *T. Matthews, Compliance Engineer

Other licensee employees contacted included technicians, operators, mechanics, security force members, and staff engineers.

*Attended exit interview

2. Exit Interview

The inspection scope and findings were summarized on January 15, 1985, with those persons indicated in paragraph 1 above.

3. Licensee Action on Previous Enforcement Matters

(Closed) Violation 269/83-20-01 Failure to Follow Weld Procedure. This violation was closed in Report No. 50-270/84-26 for Unit 2. This was also applicable for Unit 1.

4. Unresolved Items

Unresolved items were not identified during this inspection.

5. Plant Operations

The inspectors reviewed plant operations throughout the reporting period to verify conformance with regulatory requirements, technical specifications, and administrative controls. Control room logs, shift turnover records and equipment removal and restoration records were reviewed routinely. Interviews were conducted with plant operations, maintenance, chemistry, health physics and performance personnel.

Activities within the control rooms were monitored on an almost daily basis. Inspections were conducted on day and on night shifts, during week days and on weekends. Some inspections were made during shift change in order to evaluate shift turnover performance. Actions observed were conducted as required by Section 3.18 of the station directives. The complement of licensed personnel on each shift inspected met or exceeded the requirements of technical specifications. Operators were responsive to plant annunciator alarms and appeared to be cognizant of plant conditions.

Plant tours were taken throughout the reporting period on a routine basis. The areas toured included the following: Turbine Building, Auxiliary Building, Units 1, 2 and 3 Electrical Equipment Rooms, Units 1, 2 and 3 Cable Spreading Rooms, and Station Yard Zone within the Protected Area.

During the plant tours, ongoing activities, housekeeping, security, equipment status, and radiation control practices were observed. Performance of reactor operator and nuclear equipment operator procedures was observed.

On December 11, 1984, Unit 1 was in power ascension following a refueling outage. It achieved essentially 100% power on December 12, and remained in that mode through the remainder of the reporting period.

Units 2 and 3 operated at essentially 100% power throughout the reporting period. On December 10, Unit 2 had completed 397 days of continuous on line operation.

6. Surveillance Testing

The surveillance tests listed below were reviewed and/or witnessed by the inspectors to verify procedural and performance adequacy.

The completed tests reviewed were examined for necessary test prerequisites, instructions, acceptance criteria, technical content, authorization to begin work, data collection, independent verification where required, handling of deficiencies noted, and review of completed work.

The tests witnessed, in whole or in part, were inspected to determine that approved procedures were available, test equipment was calibrated, prerequisites were met, tests were conducted according to procedure, data were acceptable and system restoration was completed.

Surveillance witnessed in whole or in part were as follows:

IP/0/A/310/14B	Engineered safety system analog channel B on-line calibration, unit 3
PT/0/A/0110/05C	RB Purge filter test, unit 2
PT/0/A/0150/09	RB Personnel hatch LRT, unit 3
IP/0/A/360/15	Process monitor functional test, RIA 31, 32, 35-53

Completed surveillances reviewed, but not witnessed, were as follows:

WR 55175A	Perform RPS Channel A on-line test required by tech spec
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WR 56836	Perform Keowee fire protection equipment inspection and check required by tech spec
WR 55313A	Perform source range--intermediate channel test required by tech spec
WR 55128A	Perform control battery daily test on 1CA and 1CB batteries required by tech spec
WR 55062A	Perform E/S analog Channel C on-line instrument calibration
WR 56843	Perform Keowee 125 vdc instrument and control battery test.
WR 55427A	Perform diode monitor test required by tech spec
WR 55887A	Perform calibration of the reactor building hydrogen sampling system Train A
WR 55361A	Perform E/S system logic, subsystem 2 RB isolation and cooling channel 6, on line instrument calibration
WR 55355A	Perform E/S system logic, subsystem 1, HPI and RB isolation channel 1, on line instrument calibration

7. Maintenance Activities

Maintenance activities were observed and/or reviewed during the reporting period to verify that work was performed by qualified personnel and that approved procedures in use adequately described work that was not within the skill of the trade. Activities, procedures and work requests were examined to verify proper authorization to begin work, provisions for fire, cleanliness, and exposure control, proper return of equipment to service, and that limiting conditions for operation were met.

Work requests witnessed:

WR 18030B	Unit 1 BWST Low Level Alarm out of tolerance. I&E troubleshoot per IP/O/A/203/1A
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WR 554435C	Extend penetration 2-M-S-1 sealant to 10"
WR 554436C	Extend penetration 2-M-S-2 sealant to 10"
WR 554437C	Extend penetration 2-M-S-3 sealant to 10"

Work requests reviewed but not witnessed included the following:

WR 15468B	Oil leaking from snubber col B-38. Investigate and repair.
WR 15495B	Repair packing leak on 2HP-64.
WR 10585B	Repair leak on 1PT-39 Core Flood Tank B pressure.
WR 16543B	Power range NIs.
WR 16378B	Personnel hatch interlock for Reactor building does not operate properly.
WR 90077C	CS-11 valve leaks past seat. Repair as necessary.
WR 90052C	Investigate and repair 2B RB spray pump. Horizontal vibration.
WR 07382B	1 LP-51, repair body to bonnet leak.
WR 53348C	Repair 1 LP-1B limitorque actuation.
WR 10583B	Repair packing leak on RPS channel A reactor coolant pressure transmitter root valve.

8. Site Emergency Drills

On December 14, the resident inspector participated in a security emergency drill at the site. The drill was performed as realistically as possible and appeared to provide valuable information.

On December 18, the resident inspectors witnessed a drill involving a simulated steam line rupture with personnel receiving simulated severe injuries and contamination from sample bottles they were carrying. Primary purpose of the drill was to evaluate handling of the medical emergencies. One "victim" was transported to a Greenville, SC hospital by helicopter and another was taken by ambulance. The drill was coordinated with the hospital which was also handling a large number of "victims" from another simulated event. The drill appeared to be handled successfully.

No violations or deviations were identified.