



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

Report No.: 50-400/85-25

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

Docket No.: 50-400

License No.: CPPR-158

Facility Name: Harris 1

Inspection Conducted: June 19-21, 1985

Inspectors:	<u>G. A. Schnebli</u>	<u>6/28/85</u>
	G. A. Schnebli	Date Signed
	<u>K. W. VanDyne</u>	<u>6/28/85</u>
	K. W. VanDyne	Date Signed
Approved by:	<u>F. Jape</u>	<u>6/28/85</u>
	for F. Jape, Section Chief	Date Signed
	Engineering Branch	
	Division of Reactor Safety	

SUMMARY

Scope: This routine, unannounced inspection entailed 44 inspector-hours on site in the area of Reactor Coolant System (RCS) Hydrostatic Test Witnessing.

Results: No violations or deviations were identified.

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The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry should be supported by a valid receipt or invoice. This ensures transparency and allows for easy verification of the data.

Furthermore, it is noted that the records should be kept in a secure and accessible format. Regular backups are recommended to prevent data loss in the event of a system failure or disaster. The document also mentions the need for periodic audits to ensure the integrity and accuracy of the information stored.

In conclusion, the document stresses that a robust record-keeping system is essential for the success of any organization. By following the guidelines outlined, companies can ensure that their financial and operational data is reliable and compliant with relevant regulations.

The second part of the document provides a detailed overview of the current market conditions. It highlights the challenges faced by various sectors, including increased competition and fluctuating demand. Despite these challenges, there are also opportunities for growth and innovation.

The document suggests that companies should focus on improving their operational efficiency and customer service to gain a competitive edge. Investing in research and development is also seen as a key strategy for long-term success. Additionally, the importance of building strong relationships with suppliers and customers is emphasized.

Overall, the document offers a comprehensive analysis of the business environment and provides practical advice for navigating the complexities of the market. It encourages a proactive and strategic approach to business management.

REPORT DETAILS

1. Persons Contacted

Licensee Employees

- B. Clark, Test Coordinator
- *C. S. Hinnant, Startup Manager
- *C. L. McKenzie, Acting Director, Operations Quality Assurance/Quality Control (QA/QC)
- *J. L. Willis, Plant General Manager

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

Other Organizations

- *J. P. Kirk, Daniel Project Administrator
- *O. F. Painter, Westinghouse Installation Manager

NRC Resident Inspectors

- *S. P. Burris, Resident Inspector, Operations
- *G. F. Maxwell, Senior Resident Inspector, Operations
- R. L. Prevatte, Senior Resident Inspection, Construction

*Attended exit interview

2. Exit Interview

The inspection scope and findings were summarized on June 21, 1985, with those persons indicated in paragraph 1 above. The inspector described the areas inspected and discussed in detail the inspection findings. No dissenting comments were received from the licensee.

The licensee did not identify as proprietary any of the materials provided to or reviewed by the inspector during this inspection.

3. Licensee Action on Previous Enforcement Matters

This subject was not addressed in the inspection.

4. Unresolved Items

Unresolved items were not identified during this inspection.

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5. RCS Hydrostatic Test Witness (70462)

On June 20-21, 1985, the inspectors witnessed the RCS hydrostatic test. Licensee activities were observed to verify the following:

- a. Testing was conducted in accordance with approved procedures and the latest revision of the test procedure was available and in use by personnel conducting the test.
- b. Test procedure prerequisites were met.
- c. Valve lineup and system check sheets were complete, as required.
- d. Water quality and system temperature were monitored.
- e. Pressure gauges of the required range and special test equipment as specified by the test procedures were calibrated and installed.
- f. Data required were collected by the proper personnel.
- g. Relief valves were installed where required and relief paths verified for system overpressure protection.
- h. Adequate coordination existed among the responsible organizations to conduct the test properly.

Hydrostatic test pressure was reached on June 21, 1985 at approximately 12:30 a.m. System temperature and pressure were verified to be within the required limits for the specified hold time. The inspectors observed QC inspections of various primary systems and components. One area of concern identified by the inspectors involved the documentation of mechanical joint leakage within the test boundaries. The licensee did commit to identify, document, and properly resolve all leaking mechanical joints and this concern was resolved. The test was successfully completed on June 21, 1985 at approximately 3:30 a.m.

No violations or deviations were identified in the areas inspected.

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1. The first part of the document deals with the general principles of the system.

2. The second part describes the various components and their functions.

3. The third part discusses the implementation and testing procedures.

4. The fourth part provides a detailed description of the hardware used.

5. The fifth part covers the software development and deployment.

6. The sixth part discusses the results of the experiments and the conclusions drawn.

7. The seventh part contains the references and the bibliography.

8. The eighth part provides a summary of the work and the future directions.

9. The ninth part discusses the impact of the system on the field.

10. The tenth part contains the appendixes and the supporting data.

11. The eleventh part discusses the limitations of the study.