



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

Report No.: 50-400/84-20

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 Dates: July 9-12, 1984

Inspection at Harris site near Raleigh, North Carolina

Inspector: *G. R. Wiseman* 7-24-84
G. R. Wiseman Date Signed

Approved by: *T. E. Conlon* 7/24/84
T. E. Conlon, Section Chief Date Signed
Engineering Branch
Division of Reactor Safety

SUMMARY

Area Inspected:

This routine unannounced inspection involved 22 inspector-hours on site in the area of fire protection.

Results

No violations or deviations were identified.

840828002B 840727
PDR ADCK 05000400
Q PDR

REPORT DETAILS

1. Persons Contacted

Licensee Employees

- *R. Parsons, Project General Manager
- *M. Wallace, Construction Specialist
- *G. M. Simpson, Principal Construction Specialist
- *C. K. Wright, Regulation Compliance Specialist
- *C. S. Bohanan, Director Regulation Compliance
- *R. W. Via, Manager - Construction Services
- *G. L. Forehand, Director QA/QC
- *E. E. Willett, Resident Engineer - Mechanical
 - L. Woods, Supervisor - Startup
 - B. Van Meter, Supervisor - Maintenance
 - G. Stokes, Senior Fire Protection Specialist
 - J. M. McKay, Resident Engineer - Civil
 - S. Hardy, Mechanical Technician
 - D. Knepper, Mechanical Piping Supervisor
 - S. Freshwater, Mechanical Piping

NRC Resident Inspectors

- *G. F. Maxwell
- *R. Prevatte

*Attended exit interview

2. Exit Interview

The inspection scope and findings were summarized on July 12, 1984, with those persons indicated in paragraph 1 above.

3. Licensee Action on Previous Enforcement Matters

Not inspected.

4. Unresolved Items

Unresolved items were not identified during this inspection.

5. Permanent Plant Fire Protection Features

The inspector reviewed the following permanent plant fire protection features:

a. Fire Pumps

The electric motor and diesel driven fire pumps and controllers are installed outdoors.

An inspection of the electric motor and diesel driven fire pumps indicated that the pumps' installation conformed to the construction drawings, except installation of the alarm circuitry was not completed.

A review of the fuel oil supply for the diesel driven fire pump revealed that no provision for draining off rain water accumulations within the curbed oil containment barrier was provided as required by NFPA 30. The licensee had identified this problem and has issued corrective action on FCR-SAP-113 for installation of a drainage system. This installation will be reviewed during a subsequent NRC inspection.

Preliminary operational and capacity tests performed under Procedure No. 1-6175-0-01, Revision 5, for the fire pumps indicated that the pumps would meet the design requirement. These pumps have been turned over to startup; however, the final acceptance preoperational tests on the pumps have not been completed. This test data will be reviewed during a future NRC inspection.

The fire pumps and complete yard fire main system have not been declared operational pending completion of preoperational testing. The fire pump components and equipment are being maintained by the plant maintenance organization. A review was made of the following maintenance records conducted by this group and no discrepancies were noted:

<u>Equipment</u>	<u>Procedure No.</u>	<u>Required PM Frequency</u>	<u>Date of Last Maintenance</u>
Diesel Fire Pump	PM-OM0001	Semi-Annual	8/19/83
Jockey Pump	PM-OM0002	Weekly	6/29/84
Main Electric Fire Pump	PM-OM0003	Weekly	6/21/84
Diesel Fire Pump Drive	PM-OM0005	Semi-Annual	6/21/84
Fire Pump Diesel Engine	PM-OM0007	Weekly	6/29/84
Diesel Fire Pump Batteries	PM-E0013	Monthly	7/02/84

b. Interior Fire Loop And Standpipe System

The inspector reviewed the Construction Inspection Records for portions of the installed fire protection standpipe system within the Reactor Auxiliary Building, elevation 236', as noted below, and verified the inspections were being accomplished:

<u>Isometric Work Package No.</u>	<u>Weld No.</u>	<u>Work Package Inspection Date</u>	<u>Review Date</u>
1 FP-223	FW 588	6/20/84	7/7/84
	FW 590	7/6/84	
1-FP-225	FW 657	6/18/84	6/23/84
	FW 658	1/9/83	
	FW 660	1/9/83	

These records had not undergone final QA/QC review. These reviews are to be completed prior to the system release for test. The Construction Inspection Records will again be reviewed during subsequent NRC inspections. The installation of the above work was inspected. The installation appeared to be accomplished in accordance with the construction drawings and specifications.

Within the areas examined no violations or deviations were disclosed.

6. Inspector Followup Item (IFI)

(Closed) IFI (400/83-19-01), Reevaluation of the Fire Barrier Installation in the Cable Spreading Room. Previous discrepancies have been identified by the licensee concerning the Thermolag fire-proof coating installation on the steel cable spreading room fire barrier. Most identified discrepancies have been corrected. The outstanding fire protection related items were identified and reported to the NRC per the provisions of 10 CFR 50.55(e), in an interim report dated April 12, 1984 (NRC-210). Commitments for corrective actions and implementation schedules were described within this report. Since these items are traceable through followup of the final report, this item is closed. As construction of the fire barrier continues, this installation will be reviewed during future NRC inspections.