

January 14, 1986

Docket No. 50-400

Mr. E. E. Utley, Executive Vice President  
Power Supply & Engineering & Construction  
Carolina Power and Light Company  
Post Office Box 1551  
Raleigh, North Carolina 27602

Dear Mr. Utley:

SUBJECT: SHEARON HARRIS SITE AUDIT

A site audit of the electrical systems for Shearon Harris, Unit 1 is planned for the week of January 27, 1986. Enclosed is the proposed site audit agenda. The audit will commence at 8:30 a.m., January 28, 1986.

Lester S. Rubenstein, Director  
PWR Project Directorate #2, NRR

Enclosure:  
As stated

DISTRIBUTION

|                    |           |
|--------------------|-----------|
| DOCKET FILE 50-400 | BRGIMES   |
| PAD-2 RDG          | JPARTLOW  |
| LRUBENSTEIN        | ILEE      |
| BBUCKLEY           | ACRS (10) |
| NRC PDR            | EICSB     |
| LOCAL PDR          | GRAY FILE |
| TNOVAK             |           |
| OELD               |           |
| EJORDAN            |           |

|      |              |              |   |   |   |   |   |
|------|--------------|--------------|---|---|---|---|---|
| OFC  | :PM:PAD-2    | :D:PAD-2     | : | : | : | : | : |
| NAME | :BBuckley:hc | :LRubenstein | : | : | : | : | : |
| DATE | :1/10/86     | :1/10/86     | : | : | : | : | : |

OFFICIAL RECORD COPY

8601160561 860114  
PDR ADDCK 05000400  
A PDR



Mr. E. E. Utley  
Carolina Power & Light Company

cc:  
George F. Trowbridge, Esq.  
Shaw, Pittman, Potts & Trowbridge  
1800 M Street, NW  
Washington, DC 20036

Richard E. Jones, Esq.  
Associate General Counsel  
Carolina Power & Light Company  
411 Fayetteville Street Mall  
Raleigh, North Carolina 27602

Jo Anne Sanford, Esq.  
Special Deputy Attorney General  
State of North Carolina  
Post Office Box 629  
Raleigh, North Carolina 27602

Thomas S. Erwin, Esq.  
115 W. Morgan Street  
Raleigh, North Carolina 27602

Resident Inspector/Harris NPS  
c/o U.S. Nuclear Regulatory Commission  
Route 1, Box 315B  
New Hill, North Carolina 27562

Charles D. Barham, Jr., Esq.  
Vice President & Senior Counsel  
Carolina Power & Light Company  
Post Office Box 1551  
Raleigh, North Carolina 27602

Mr. John Runkle, Executive Coordinator  
Conservation Council of North Carolina  
307 Granville Road  
Chapel Hill, North Carolina 27514

Mr. Wells Eddleman  
806 Parker Street  
Durham, North Carolina 27701

Mr. George Jackson, Secretary  
Environmental Law Project  
School of Law, 064-A  
University of North Carolina  
Chapel Hill, North Carolina 27514

Shearon Harris

Mr. Travis Payne, Esq.  
723 W. Johnson Street  
Post Office Box 12643  
Raleigh, North Carolina 27605

Mr. Daniel F. Read  
CHANGE  
Post Office Box 2151  
Raleigh, North Carolina 27602

Bradley W. Jones, Esq.  
U.S. Nuclear Regulatory Commission  
Region II  
101 Marietta Street  
Atlanta, Georgia 30303

Richard D. Wilson, M.D.  
725 Hunter Street  
Apex, North Carolina 27502

Regional Administrator, Region II  
U.S. Nuclear Regulatory Commission  
101 Marietta Street  
Suite 2900  
Atlanta, Georgia 30303

Mr. Robert P. Gruber  
Executive Director  
Public Staff - NCUC  
Post Office Box 991  
Raleigh, North Carolina 27602

Dr. Linda Little  
Governor's Waste Management Board  
513 Albermarle Building  
325 North Salisbury Street  
Raleigh, North Carolina 27611

SHEARON HARRIS

AGENDA FOR SITE VISIT AND DRAWING REVIEW

1. Unresolved Items

- a. Adequacy of Station Electric Distribution System Voltages
- b. Load Sequences
- c. Containment Penetrations

2. Control Room

- a. Diesel control board, D/G inoperable status alarm
- b. Annunciator panel
- c. D. C. system monitoring and alarm

3. Cable Runs and Cable Spreading

- a. Degree of separation
- b. Penetrations and cable terminations
- c. Identification of cables and raceways

4. Switchgear Rooms

- a. General layout
- b. Physical and electrical separation of redundant units

5. Battery and Charger Installations

- a. General layout
- b. Physical and electrical separation
- c. Ventilation independence
- d. Monitoring instrumentation and alarms

6. Diesel Generator

- a. Physical and electrical separation of redundant units
- b. D/G local control panels, instruments and controls

7. Switchyard

- a. General layout
- b. Physical and electrical separation of transmission lines, buses, breakers
- c. Relay house
- d. Control power supplies (AC and DC)

8. Reactor Building

- a. General layout
- b. Separation of piping and cabling to redundant equipment

9. Shutdown Outside Control Room

- a. Remote shutdown panel arrangement, separation and layout
- b. Identification of control and monitoring equipment

10. ESF Systems and Pump Rooms

- a. General layout
- b. Physical and electrical separation of redundant equipment
- c. Identification of cables, raceways and equipment

11. Vital Instrumentation Power Supply Installation

- a. General layout
- b. Physical and electrical separation
- c. Monitoring instrumentation
- d. Identification of cables, raceways and equipment

12. System Drawings

- a. As built D/G control drawings showing (1) bypassing of protective trips on SIAS and (2) SIAS overrides test mode to permit response to SIAS signal

- b. Sample as built schematics showing thermal overload bypass
- c. Sample as built schematics showing power lockout to active and passive valves - redundant valve indication
- d. Sample as built schematics showing automatic disconnection of non-safety loads from the safety buses on a safety injection signal
- e. Sample as built schematics showing electrical penetration overload protection