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Docket Nos. 50-250  
and 50-251

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J. Partlow  
N. Thompson

Mr. C. O. Woody, Group Vice President  
Nuclear Energy Department  
Florida Power and Light Company  
Post Office Box 14000  
Juno Beach, Florida 33408

Dear Mr. Woody:

Subject: Turkey Point Plant Site Visit Post-Implementation Audit of the  
Safety Parameter Display System (SPDS)

The NRC staff has requested a site visit on March 23 through 25, 1987, to perform a post-implementation audit of the SPDS at the Turkey Point Plant Units 3 and 4. I have discussed this effort with members of your staff and provided them a proposed agenda. A copy of the proposed agenda is also enclosed. I will provide you a list of attendees and their social security numbers prior to the visit.

Please contact me if there are any questions or other arrangements to be made.

Sincerely,

Daniel G. McDonald, Senior Project Manager  
PWR Project Directorate #2  
Division of PWR Licensing-A

Enclosure:  
As stated

cc w/enclosure:  
See next page

KA:PAD#2  
DM:Miller  
2/5/87

WPM:PAD#2  
DMcDonald:hc  
2/6/87

JSR  
PD:PAD#2  
LRubenstein  
2/6/87

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PDR ADOCK 05000250  
P PDR

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Mr. C. O. Woody  
Florida Power and Light Company

Turkey Point Plant

cc:  
Harold F. Reis, Esquire  
Newman and Holtzinger, P.C.  
1615 L Street, N.W.  
Washington, DC 20036

Administrator  
Department of Environmental  
Regulation  
Power Plant Siting Section  
State of Florida  
2600 Blair Stone Road  
Tallahassee, Florida 32301

Mr. Jack Shreve  
Office of the Public Counsel  
Room 4, Holland Building  
Tallahassee, Florida 32304

Regional Administrator, Region II  
U.S. Nuclear Regulatory Commission  
Suite 2900  
101 Marietta Street  
Atlanta, Georgia 30323

Norman A. Coll, Esquire  
Steel, Hector and Davis  
4000 Southeast Financial  
Center  
Miami, Florida 33131-2398

Martin H. Hodder, Esquire  
1131 NE, 86th Street  
Miami, Florida 33138

Mr. C. M. Wethy, Vice President  
Turkey Point Nuclear Plant  
Florida Power and Light Company  
P.O. Box 029100  
Miami, Florida 33102

Joette Lorion  
7269 SW, 54 Avenue  
Miami, Florida 33143

Mr. M. R. Stierheim  
County Manager of Metropolitan  
Dade County  
Miami, Florida 33130

Mr. Chris J. Baker, Plant Manager  
Turkey Point Nuclear Plant  
Florida Power and Light Company  
P.O. Box 029100  
Miami, Florida 33102

Resident Inspector  
U.S. Nuclear Regulatory Commission  
Turkey Point Nuclear Generating Station  
Post Office Box 57-1185  
Miami, Florida 33257-1185

Attorney General  
Department of Legal Affairs  
The Capitol  
Tallahassee, Florida 32304

Mr. Allan Schubert, Manager  
Office of Radiation Control  
Department of Health and  
Rehabilitative Services  
1317 Winewood Blvd.  
Tallahassee, Florida 32301

Intergovernmental Coordination  
and Review  
Office of Planning & Budget  
Executive Office of the Governor  
The Capitol Building  
Tallahassee, Florida 32301

ENCLOSURE  
PROPOSED AGENDA  
FOR  
POST-IMPLEMENTATION AUDIT  
OF  
TURKEY POINT NUCLEAR POWER PLANT, UNITS 3 AND 4  
SAFETY PARAMETER DISPLAY SYSTEM (SPDS)  
(3/23 through 3/25/87)

DAY 1 (3/23/87)

- Noon Introduction and Briefing (NRC)
- 12:15 p.m. Overview of SPDS Implementation (Presentations by Licensee)
- Definition of SPDS
  - Parameter Selection Process
  - Human Factors Engineering Program
  - Reliability
  - Verification and Validation Program
  - Implementation Program
  - Project Milestones
- 2:15 p.m. Break
- 2:30 p.m. Tour of Control Room/SPDS Demonstration
- 4:00 p.m. Adjourn

DAY 2 (3/24/87)

- 8:00 a.m. Critical Safety Function/Parameter Selection (Presentations by Licensee)
- Parameter Selection
  - Critical Safety Functions (vs. NUREG-0737)
  - Critical Safety Functions/Parameter Relationships
  - Range of Events/Conditions covered by parameters
  - Safety Evaluation Report Concerns
- 9:30 a.m. Break
- 9:45 a.m. System Design (Presentations by Licensee)
- System Description
  - Display Configuration
  - Data Validity
  - Security

PROPOSED AGENDA (continued)

System Verification and Validation (Presentations by Licensee)

- Verification Test Plan
- Validation
- Maintenance & Configuration Control

11:30 a.m. Lunch

1:00 p.m. Human Factors Engineering Review (Control Room)

- Display Location
- Display Format
- Display Techniques
- Open Concerns

Operations Review (Control Room)

- Concise Display
- Parameters identified in SAR on SPDS
- Critical Safety Functions (0737 and Plant)
- Reliability (Hardware/Software)
- Response Times (Display Call-up and Screen Update)
- Integrated into Emergency Operations
- SPDS Parameter Values vs. Fixed Panel Values (Comparison)
- Procedures and Training
- Control Room SPDS vs. Simulator SPDS Comparison

Electrical Isolation (This should be omitted if covered by a separate review)

4:30 p.m. Adjourn

DAY 3 (3/25/87)

8:00 a.m. Operator Interviews

- Shift Supervisor
- Reactor Operator
- Shift Technical Advisor

Documentation Review

9:30 a.m. Audit Team Caucus

11:30 a.m. Exit Briefing

