



UNITED STATES
NUCLEAR REGULATORY COMMISSION

REGION II
SAM NUNN ATLANTA FEDERAL CENTER
61 FORSYTH STREET, SW, SUITE 23T85
ATLANTA, GEORGIA 30303-8931

August 30, 2005

Florida Power and Light Company
ATTN: Mr. J. A. Stall, Senior Vice President
Nuclear and Chief Nuclear Officer
P. O. Box 14000
Juno Beach, FL 33408-0420

SUBJECT: MID-CYCLE PERFORMANCE REVIEW AND INSPECTION PLAN - TURKEY
POINT NUCLEAR PLANT

Dear Mr. Stall:

On August 3, 2005, the NRC staff completed its performance review of the Turkey Point Nuclear Plant for the first half of the calendar year 2005 assessment cycle. Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results over the previous twelve months. The purpose of this letter is to inform you of our assessment of your safety performance during this period and our plans for future inspections at your facility.

This performance review and the enclosed inspection plan do not include physical protection information. A separate letter designated and marked as "Exempt from Public Disclosure in Accordance with 10 CFR 2.390," will include the physical protection review and a resultant inspection plan.

On August 3, 2005 the NRC staff completed its mid-cycle plant performance assessment of plant performance for the most recent quarter, which was within the Licensee Response Column of the NRC's Action Matrix, based on all inspection findings being classified as having very low safety significance (Green), and all PIs indicating performance at a level requiring no additional NRC oversight (Green). However, our review indicated that next quarter Turkey Point Unit 4 plant performance will cross the threshold from Green to White for the PI, "Unplanned Scrams per 7000 Critical Hours." Therefore, we plan to conduct a Supplemental Inspection using Inspection Procedure 95001, "Inspection for One or Two White Inputs In a Strategic Performance Area," in Fall 2005, and baseline inspections at your facility through March 31, 2007. We also plan on conducting a non-baseline inspection which includes transportation of reactor control rod drives in type A packages.

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through March 31, 2007. The inspection plan is provided to minimize the resource impact on your staff and to allow for scheduling conflicts and personnel availability to be resolved in advance of inspector arrival onsite. Routine resident inspections are not listed due to their ongoing and continuous nature. The inspections in the last twelve months of the inspection plan are tentative and may be revised at the end-of-cycle review meeting.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be made available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

If circumstances arise which cause us to change the inspection plan, we will contact you to discuss the change as soon as possible. Please contact me at (404) 562-4560 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

IRA

Joel T. Munday, Chief
Reactor Projects Branch 3
Division of Reactor Projects

Docket No(s). 50-250, 50-251
License No(s). DPR-31, DPR-41

Enclosure: Turkey Point Inspection/Activity Plan

cc w/encl: (See page 3)

cc w/encl:

T. O. Jones
Site Vice President
Turkey Point Nuclear Plant
Florida Power and Light Company
Electronic Mail Distribution

Walter Parker
Licensing Manager
Turkey Point Nuclear Plant
Florida Power and Light Company
Electronic Mail Distribution

Michael O. Pearce
Plant General Manager
Turkey Point Nuclear Plant
Florida Power and Light Company
Electronic Mail Distribution

Mark Warner, Vice President
Nuclear Operations Support
Florida Power & Light Company
Electronic Mail Distribution

Rajiv S. Kundalkar
Vice President - Nuclear Engineering
Florida Power & Light Company
Electronic Mail Distribution

M. S. Ross, Managing Attorney
Florida Power & Light Company
Electronic Mail Distribution

Marjan Mashhadi, Senior Attorney
Florida Power & Light Company
Electronic Mail Distribution

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

William A. Passetti
Bureau of Radiation Control
Department of Health
Electronic Mail Distribution

County Manager
Metropolitan Dade County
Electronic Mail Distribution

Craig Fugate, Director
Division of Emergency Preparedness
Department of Community Affairs
Electronic Mail Distribution

Curtis Ivy
City Manager of Homestead
Electronic Mail Distribution

Turkey Point
Inspection / Activity Plan
09/01/2005 - 03/31/2007

| Unit Number | Inspection Activity | Title | No. of Staff on Site | Planned Dates Start | Planned Dates End | Inspection Type |
|-------------|---|---|----------------------|---------------------|-------------------|----------------------|
| | EB3-HS - HEAT SINK | | 1 | | | |
| 3,4 | IP 7111107B | Heat Sink Performance | | 08/29/2005 | 09/02/2005 | Baseline Inspections |
| | PS1-RP - RP PREINSPECTION PUBLIC | | 1 | | | |
| 3,4 | IP 7112101 | Access Control to Radiologically Significant Areas | | 01/09/2006 | 01/11/2006 | Baseline Inspections |
| | PS2-EP - EP INSP | | 1 | | | |
| 3,4 | IP 7111402 | Alert and Notification System Testing | | 01/23/2006 | 01/27/2006 | Baseline Inspections |
| 3,4 | IP 7111403 | Emergency Response Organization Augmentation Testing | | 01/23/2006 | 01/27/2006 | Baseline Inspections |
| 3,4 | IP 7111404 | Emergency Action Level and Emergency Plan Changes | | 01/23/2006 | 01/27/2006 | Baseline Inspections |
| 3,4 | IP 7111405 | Correction of Emergency Preparedness Weaknesses and Deficiencies | | 01/23/2006 | 01/27/2006 | Baseline Inspections |
| 3,4 | IP 71151 | Performance Indicator Verification | | 01/23/2006 | 01/27/2006 | Baseline Inspections |
| | EB3-MR - MR EFFECTIVENESS | | 2 | | | |
| 3,4 | IP 7111112B | Maintenance Effectiveness | | 02/06/2006 | 02/10/2006 | Baseline Inspections |
| | DRP - PI&R | | 4 | | | |
| 3,4 | IP 71152B | Identification and Resolution of Problems | | 01/30/2006 | 02/17/2006 | Baseline Inspections |
| | PS1-RP - RP PUBLIC BASELINE | | 4 | | | |
| 3,4 | IP 7112101 | Access Control to Radiologically Significant Areas | | 02/06/2006 | 02/10/2006 | Baseline Inspections |
| 3,4 | IP 7112103 | Radiation Monitoring Instrumentation and Protective Equipment | | 02/06/2006 | 02/10/2006 | Baseline Inspections |
| 3,4 | IP 7112201 | Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems | | 02/06/2006 | 02/10/2006 | Baseline Inspections |
| 3,4 | IP 7112203 | Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control P | | 02/06/2006 | 02/10/2006 | Baseline Inspections |
| 3,4 | IP 71151 | Performance Indicator Verification | | 02/06/2006 | 02/10/2006 | Baseline Inspections |
| | OL RQ - REQUAL INSPECTION | | 2 | | | |
| 3,4 | IP 7111111B | Licensed Operator Requalification Program | | 02/27/2006 | 03/03/2006 | Baseline Inspections |
| | EB3-ISI - U3 INSERVICE INSPECTION | | 2 | | | |
| 3 | IP 7111108P | Inservice Inspection Activities - PWR | | 03/13/2006 | 03/17/2006 | Baseline Inspections |
| | EB3SGISI - U3 STEAM GENERATOR ISI | | 2 | | | |
| 3 | IP 7111108P | Inservice Inspection Activities - PWR | | 03/20/2006 | 03/24/2006 | Baseline Inspections |
| | EB1SSDPC - SSDPC PRE-INSPECTION VISIT | | 1 | | | |
| 3,4 | IP 7111121 | Safety System Design and Performance Capability | | 08/14/2006 | 08/18/2006 | Baseline Inspections |
| | EB1SSDPC - SAFETY SYSTEM DESIGN & PERF. CAPABILITY | | 5 | | | |
| 3,4 | IP 7111121 | Safety System Design and Performance Capability | | 08/28/2006 | 09/01/2006 | Baseline Inspections |
| 3,4 | IP 7111121 | Safety System Design and Performance Capability | | 09/11/2006 | 09/15/2006 | Baseline Inspections |
| 3,4 | IP 7111121 | Safety System Design and Performance Capability | | 09/25/2006 | 09/29/2006 | Baseline Inspections |
| | EB3-ISI - U4 INSERVICE INSPECTION | | 1 | | | |
| 4 | IP 7111108P | Inservice Inspection Activities - PWR | | 10/16/2006 | 10/20/2006 | Baseline Inspections |

This report does not include INPO and OUTAGE activities.
This report shows only on-site and announced inspection procedures.

Enclosure

Turkey Point
Inspection / Activity Plan
09/01/2005 - 03/31/2007

| Unit Number | Inspection Activity | Title | No. of Staff on Site | Planned Dates Start | Planned Dates End | Inspection Type |
|-------------|--|---|----------------------|---------------------|-------------------|----------------------|
| | EB3SGISI - U4 STEAM GENERATOR ISI | | 1 | | | |
| 4 | IP 7111108P | Inservice Inspection Activities - PWR | | 10/23/2006 | 10/27/2006 | Baseline Inspections |
| | OL PREP - INITIAL EXAM PREP | | 3 | | | |
| 3 | V23236 | TURKEY POINT/EXAM AT POWER FACILITIES | | 10/30/2006 | 11/03/2006 | Not Applicable |
| | OL EXAM - INITIAL EXAM | | 3 | | | |
| 3 | V23236 | TURKEY POINT/EXAM AT POWER FACILITIES | | 11/27/2006 | 12/08/2006 | Not Applicable |
| | TFP - TFP EB 2 | | 3 | | | |
| 3,4 | IP 7111105T | Fire Protection [Triennial] | | 01/03/2007 | 01/05/2007 | Baseline Inspections |
| | EB1-MODS - MODIFICATIONS-10CFR50.59 | | 3 | | | |
| 3,4 | IP 7111102 | Evaluation of Changes, Tests, or Experiments | | 01/08/2007 | 01/12/2007 | Baseline Inspections |
| 3,4 | IP 7111117B | Permanent Plant Modifications | | 01/08/2007 | 01/12/2007 | Baseline Inspections |
| | TFP - TFP EB 2 | | 3 | | | |
| 3,4 | IP 7111105T | Fire Protection [Triennial] | | 01/22/2007 | 01/26/2007 | Baseline Inspections |
| 3,4 | IP 7111105T | Fire Protection [Triennial] | | 02/05/2007 | 02/09/2007 | Baseline Inspections |
| | PS2-EP - EP EXERCISE | | 3 | | | |
| 3,4 | IP 7111401 | Exercise Evaluation | | 02/19/2007 | 02/23/2007 | Baseline Inspections |
| 3,4 | IP 7111404 | Emergency Action Level and Emergency Plan Changes | | 02/19/2007 | 02/23/2007 | Baseline Inspections |
| 3,4 | IP 71151 | Performance Indicator Verification | | 02/19/2007 | 02/23/2007 | Baseline Inspections |