



UNITED STATES
NUCLEAR REGULATORY COMMISSION

REGION II
SAM NUNN ATLANTA FEDERAL CENTER
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ATLANTA, GEORGIA 30303-8931

March 1, 2007

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: ANNUAL ASSESSMENT LETTER - TURKEY POINT NUCLEAR PLANT
(NRC INSPECTION REPORT 05000250, 251/2007001)

Dear Mr. Stall:

On February 7, 2007, the NRC technical staff completed its performance review of the Turkey Point Nuclear Plant for the period from January 1 through December 31, 2006. 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.

Overall, Turkey Point operated in a manner that preserved public health and safety and fully met all cornerstone objectives. Plant performance for Turkey Point Unit 3 for the third and fourth quarters was in the Regulatory Response Column of the NRC's Action Matrix due to a White finding associated with a loss of all decay heat removal during a period of reduced reactor coolant inventory. This White inspection finding, involving the Initiating Events cornerstone, reflected performance at a level requiring increased regulatory response. Therefore in addition to the reactor oversight process baseline inspection program, a Supplemental Inspection using Inspection Procedure (IP) 95001, "Inspection for One or Two White Inputs In a Strategic Performance Area," has been scheduled for the week of March 19, 2007. Plant performance for Turkey Point Unit 4 for the most recent quarter was in the Licensee Response Column of the NRC's Action Matrix, therefore the reactor oversight process baseline inspection program is planned. We also plan on conducting the non-ROP inspection of the containment emergency recirculation sump blockage.

Plant performance for both units for the first three quarters of the assessment period was within the Regulatory Response column of the NRC's Action Matrix due to a White finding associated with extended inoperability of the B Auxiliary Feedwater Pump due to an incorrectly installed bearing. This White inspection finding, involving the mitigating systems cornerstone, reflected performance at a level requiring increased regulatory response. A Supplemental Inspection using Inspection Procedure (IP) 95001, "Inspection for One or Two White Inputs In a Strategic

ML070600030/Package
ML070600034/Letter
ML070600042/Enclosure

Performance Area," was conducted the week of May 15, 2006 and no findings of significance were identified.

Additionally, both units crossed the threshold from Green to White for the PI "Heat Removal System (AFW) Unavailability" in the fourth quarter 2005. However with implementation of the Mitigating Systems Performance Index in the second quarter 2006, the PIs for both units were Green.

In our mid-cycle assessment letter dated August 31, 2006, we advised you of substantive cross-cutting issue in the cross-cutting area of problem identification and resolution. We conducted an assessment of the effectiveness of your actions as a PI&R follow-up inspection in the Fall of 2006 and scheduled an additional PI&R team inspection for May 2007. The NRC is aware of the corrective actions you have initiated to address the individual cross-cutting aspects. However, because some of the corrective actions have only recently been implemented, it is too early to assess their effectiveness. It is anticipated that by the next mid-cycle assessment, sufficient data will have been collected to perform a more effective assessment. Therefore, this issue remains open.

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through September 30, 2008. In addition, we plan to conduct a non-ROP inspection involving containment sump blockage. The inspection plan is provided to minimize the resource impact on your staff and to allow for the resolution of any scheduling conflicts and personnel availability issues well 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 mid-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 Mike Ernstes at (404) 562-4540 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA/

Charles A. Casto, Director
Division of Reactor Projects

Docket Nos. 50-250, 50-251
License Nos. DPR-31, DPR-41

Enclosure: Turkey Point Inspection/Activity Plan

cc w/encl: (See page 3)

cc w/encl:

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Turkey Point
Inspection / Activity Plan
03/01/2007 - 09/30/2008

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	DRS/EB1	- SUPPLEMENTAL INSPECTION 95001	3			
3, 4	IP 95001	Supplemental Inspection For One Or Two White Inputs In A Strategic Performance Area		03/19/2007	03/24/2007	Supplemental Program
	OL PREP	- INITIAL EXAM PREP	3			
3	V23260	TURKEY POINT/JANUARY 2007 EXAM AT POWER FACILITIES		04/02/2007	04/06/2007	Not Applicable
	OL EXAM	- INITIAL EXAM WEEK1	3			
3	V23260	TURKEY POINT/JANUARY 2007 EXAM AT POWER FACILITIES		04/23/2007	05/02/2007	Not Applicable
	DRP3/PIR	- PROBLEM IDENTIFICATION AND RESOLUTION	5			
3, 4	IP 71152B	Identification and Resolution of Problems		05/21/2007	05/25/2007	Baseline Inspections
3, 4	IP 71152B	Identification and Resolution of Problems		06/04/2007	06/08/2007	Baseline Inspections
	EB3-MR	- MAINTENANCE EFFECTIVENESS	2			
3, 4	IP 7111112B	Maintenance Effectiveness		06/25/2007	06/29/2007	Baseline Inspections
	PSB1-RP	- RP OCCUPATIONAL PRE-INSP VISIT	1			
3, 4	IP 7112101	Access Control to Radiologically Significant Areas		08/06/2007	08/09/2007	Baseline Inspections
	EB3-HS	- HEAT SINK	2			
3, 4	IP 7111107B	Heat Sink Performance		08/27/2007	08/31/2007	Baseline Inspections
	PSB1-RP	- RP OCCUPATIONAL BASELINE INSP. WK1	3			
3, 4	IP 7112101	Access Control to Radiologically Significant Areas		09/10/2007	09/14/2007	Baseline Inspections
3, 4	IP 7112102	ALARA Planning and Controls		09/10/2007	09/14/2007	Baseline Inspections
3, 4	IP 7112202	Radioactive Material Processing and Transportation		09/10/2007	09/14/2007	Baseline Inspections
3, 4	IP 71151	Performance Indicator Verification		09/10/2007	09/14/2007	Baseline Inspections
	EB3-ISI	- U3 INSERVICE INSPECTION	2			
3	IP 7111108P	Inservice Inspection Activities - PWR		09/17/2007	09/21/2007	Baseline Inspections
	EB1-SUMP	- PWR CONTAINMENT SUMP BLOCKAGE TI (U-3)	2			
3	IP 2515/166	Pressurized Water Reactor Containment Sump Blockage [NRC GENERIC LETTER 2004-02]		09/24/2007	09/28/2007	Safety Issues
	EB3SGISI	- U3 STEAM GENERATOR ISI	2			
3	IP 7111108P	Inservice Inspection Activities - PWR		09/24/2007	09/28/2007	Baseline Inspections
	PSB1-RP	- RP OCCUPATIONAL BASELINE INSP WK 2	2			
3, 4	IP 7112101	Access Control to Radiologically Significant Areas		09/24/2007	09/28/2007	Baseline Inspections
3, 4	IP 7112102	ALARA Planning and Controls		09/24/2007	09/28/2007	Baseline Inspections
3, 4	IP 7112202	Radioactive Material Processing and Transportation		09/24/2007	09/28/2007	Baseline Inspections
3, 4	IP 71151	Performance Indicator Verification		09/24/2007	09/28/2007	Baseline Inspections
	PSB1-RP	- RADIATION PROTECTION PREINSPECTION VISIT	1			
3, 4	IP 7112101	Access Control to Radiologically Significant Areas		12/03/2007	12/05/2007	Baseline Inspections
	OL RQ	- REQUALIFICATION INSPECTION	2			
3, 4	IP 7111111B	Licensed Operator Requalification Program		01/14/2008	01/18/2008	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
03/01/2007 - 09/30/2008

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
PSB1-RP - RADIATION PROTECTION PUBLIC BASELINE			4			
3,4	IP 7112101	Access Control to Radiologically Significant Areas		01/28/2008	02/01/2008	Baseline Inspections
3,4	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		01/28/2008	02/01/2008	Baseline Inspections
3,4	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		01/28/2008	02/01/2008	Baseline Inspections
3,4	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control P		01/28/2008	02/01/2008	Baseline Inspections
3,4	IP 71151-OR01	Occupational Exposure Control Effectiveness		01/28/2008	02/01/2008	Baseline Inspections
3,4	IP 71151-PR01	RETS/ODCM Radiological Effluent		01/28/2008	02/01/2008	Baseline Inspections
PSB1-EP - EP INSP			1			
3,4	IP 7111402	Alert and Notification System Testing		02/25/2008	02/29/2008	Baseline Inspections
3,4	IP 7111403	Emergency Response Organization Augmentation Testing		02/25/2008	02/29/2008	Baseline Inspections
3,4	IP 7111404	Emergency Action Level and Emergency Plan Changes		02/25/2008	02/29/2008	Baseline Inspections
3,4	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		02/25/2008	02/29/2008	Baseline Inspections
3,4	IP 71151-EP01	Drill/Exercise Performance		02/25/2008	02/29/2008	Baseline Inspections
3,4	IP 71151-EP02	ERO Drill Participation		02/25/2008	02/29/2008	Baseline Inspections
3,4	IP 71151-EP03	Alert & Notification System		02/25/2008	02/29/2008	Baseline Inspections
EB1-SUMP - TI 2515/166 CONTAINMENT SUMP INSPECTION			1			
4	IP 2515/166	Pressurized Water Reactor Containment Sump Blockage [NRC GENERIC LETTER 2004-02		05/05/2008	05/09/2008	Safety Issues
EB3-ISI - U4 INSERVICE INSPECTION			1			
4	IP 7111108P	Inservice Inspection Activities - PWR		05/05/2008	05/09/2008	Baseline Inspections
EB1-CDBI - COMPONENT DESIGN BASIS INSPECTION			7			
3,4	IP 7111121	Component Design Bases Inspection		08/25/2008	08/29/2008	Baseline Inspections
3,4	IP 7111121	Component Design Bases Inspection		09/08/2008	09/12/2008	Baseline Inspections
3,4	IP 7111121	Component Design Bases Inspection		09/22/2008	09/26/2008	Baseline Inspections
3,4	IP 7111121	Component Design Bases Inspection		09/29/2008	10/03/2008	Baseline Inspections