UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II
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ATLANTA, GEORGIA 30303-1257

March 4, 2011

Mr. Mano Nazar
Executive Vice President
Nuclear and Chief Nuclear Officer
Florida Power and Light Company
P.O. Box 14000
Juno Beach, FL 33408-0420

SUBJECT: ANNUAL ASSESSMENT LETTER FOR TURKEY POINT NUCLEAR PLANT, UNITS 3 AND 4 – (NRC INSPECTION REPORT NOS. 05000250/2011001 AND 05000251/2011001)

Dear Mr. Nazar:

On February 8, 2011, the NRC completed its end-of-cycle performance review of Turkey Point Nuclear Plant, Units 3 and 4. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from January 1, 2010, through December 31, 2010. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility. This performance review and enclosed inspection plan does not include security information. A separate letter will include the NRC's assessment of your performance in the Security Cornerstone and its security-related inspection plan.

The NRC determined the performance at Turkey Point Unit 3 during the most recent quarter was within the Regulatory Response Column of the NRC's Reactor Oversight Process (ROP) Action Matrix because one finding of low to moderate safety significance (White), which affected the Initiating Events Cornerstone, was identified during the fourth quarter of calendar year 2009. The White finding was related to the identification of degraded Boraflex in the Unit 3 spent fuel pool. On December 3, 2010, the NRC completed a supplemental inspection, performed in accordance with inspection procedures 95001, "Inspection for One or Two White Inputs in a Strategic Performance Area" and 92702, "Followup on Traditional Enforcement Actions," and confirmed that the licensee had adequately addressed the White finding. The associated Confirmatory Action Letter was also closed. The results of the inspection were documented in inspection report 05000250/2010010, issued on January 6, 2011 (ML110060770). The NRC determined the performance at Turkey Point Unit 3 returned to the Licensee Response Column of the Reactor Oversight Process Action Matrix as of the first quarter of calendar year 2011. Therefore, the NRC plans to conduct ROP baseline inspections at your facility.

The NRC determined the performance at Turkey Point Unit 4 during the most recent quarter was within the Regulatory Response Column of the NRC's Reactor Oversight Process (ROP) Action Matrix because of one White PI in the Initiating Events Cornerstone, Unplanned Scrams per 7000 Critical Hours, which was identified during the fourth quarter of calendar year 2010.

Package: ML110630196
Letter: ML110630202
Report 22: ML110630210

On February 3, 2011, your staff notified the NRC of your readiness for a supplemental inspection to review the actions taken to address the performance issues after the week of June 6, 2011. Therefore, in addition to ROP baseline inspections, the NRC plans to conduct a supplemental inspection in accordance with Inspection Procedure 95001, beginning the week of July 11, 2011. This inspection procedure is conducted to provide assurance that the root causes and contributing causes of risk significant performance issues are understood, the extent of condition is identified, and the corrective actions are sufficient to prevent recurrence.

The enclosed inspection plan lists the inspections scheduled through June 30, 2012. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last nine months of the inspection plan are tentative and may be revised at the mid-cycle performance review. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes.

The NRC also plans on conducting several infrequently performed inspections, including: Initial Reactor Operating License Examinations; Temporary Instruction (TI) 2515/177, Managing Gas Accumulation in Emergency Core Cooling, Decay Heat Removal & Containment Spray Systems; and Independent Spent Fuel Storage Installation (ISFSI) inspection.

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).

Please contact Dan Rich at (404) 997-4721 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA by William B. Jones Acting for/

Richard P. Croteau, Director
Division of Reactor Projects

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

Enclosure: Turkey Point Nuclear Plant Inspection/Activity Plan (03/01/11 – 06/30/12)

cc w/encl.: (See page 3)

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Turkey Point
Inspection / Activity Plan
03/01/2011 - 06/30/2012

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
			OL EXAM	**- INITIAL RETAKE EXAM WEEK**	**1**
3	03/02/2011	03/04/2011	V23384	TURKEY POINT/MARCH 2011 RETAKE EXAM AT POWER FACILITIES	
			ISFSI	**- INSPECTION OF ISFSI CRANE**	**3**
3, 4	03/14/2011	03/18/2011	IP 60854	Preoperational Testing Of An ISFSI	
			EB3 ISI	**- UNIT 4 IN-SERVICE INSPECTION**	**1**
4	03/28/2011	04/01/2011	IP 7111108P	Inservice Inspection Activities - PWR	
			PSB1-RP	**- OCCUPATIONAL RP WK 1**	**3**
3, 4	04/11/2011	04/15/2011	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
3, 4	04/11/2011	04/15/2011	IP 71124.02	Occupational ALARA Planning and Controls	
3, 4	04/11/2011	04/15/2011	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
3, 4	04/11/2011	04/15/2011	IP 71124.04	Occupational Dose Assessment	
3, 4	04/11/2011	04/15/2011	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
3, 4	04/11/2011	04/15/2011	IP 71151	Performance Indicator Verification	
			PSB1-RP	**- OCCUPATIONAL RP WK 2**	**5**
3, 4	04/18/2011	04/22/2011	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
3, 4	04/18/2011	04/22/2011	IP 71124.02	Occupational ALARA Planning and Controls	
3, 4	04/18/2011	04/22/2011	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
3, 4	04/18/2011	04/22/2011	IP 71124.04	Occupational Dose Assessment	
3, 4	04/18/2011	04/22/2011	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
3, 4	04/18/2011	04/22/2011	IP 71151	Performance Indicator Verification	
			TI-177	**- TI-177**	**3**
3	06/20/2011	06/24/2011	IP 2515/177	Managing Gas Accumulation In Emergency Core Cooling, Decay Heat Removal & Containment Spray System	
			ISFSI	**- ISFSI DRY RUN**	**6**
3, 4	06/20/2011	06/25/2011	IP 60854	Preoperational Testing Of An ISFSI	
			CDBI	**- COMPONENT DESIGN BASES INSPECTION**	**5**
3, 4	06/27/2011	07/01/2011	IP 7111121	Component Design Bases Inspection	
3, 4	07/11/2011	07/14/2011	IP 7111121	Component Design Bases Inspection	
3, 4	07/25/2011	07/29/2011	IP 7111121	Component Design Bases Inspection	
3, 4	08/08/2011	08/12/2011	IP 7111121	Component Design Bases Inspection	
			DRP/RPB3	**- 95001 SUPPLEMENTAL INSPECTION**	**2**
4	07/11/2011	07/15/2011	IP 95001	Supplemental Inspection for One or Two White Inputs in a Strategic Performance Area	
			ISFSI	**- ISFSI FIRST LOADING CAMPAIGN**	**3**
3, 4	07/11/2011	07/15/2011	IP 60855	Operation Of An ISFSI	
			OL EXAM	**- INITIAL EXAM PREP**	**4**
3	10/31/2011	11/04/2011	V23364	TURKEY POINT / DECEMBER 2011 EXAM AT POWER FACILITIES	

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

Turkey Point
Inspection / Activity Plan
03/01/2011 - 06/30/2012

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
			OL-RQ	**- REQUAL INSPECTION**	**2**
3, 4	11/14/2011	11/18/2011	IP 7111111B	Licensed Operator Requalification Program	
			OL EXAM	**- INITIAL EXAM - WEEK 1**	**4**
3	12/05/2011	12/09/2011	V23364	TURKEY POINT / DECEMBER 2011 EXAM AT POWER FACILITIES	
			OL EXAM	**- INITIAL EXAM - WEEK 2**	**4**
3	12/12/2011	12/16/2011	V23364	TURKEY POINT / DECEMBER 2011 EXAM AT POWER FACILITIES	
			EB3 ISI	**- UNIT 3 INSERVICE INSPECTION**	**1**
3	01/16/2012	01/20/2012	IP 7111108P	Inservice Inspection Activities - PWR	
			EB3-LR	**- UNIT 3 POST APPROVAL LR - PHASE 1**	**1**
3	01/23/2012	01/27/2012	IP 71003	Post-Approval Site Inspection for License Renewal	
			PSB1-RP	**- PUBLIC RADIATION SAFETY BASELIN**	**3**
3, 4	01/30/2012	02/03/2012	IP 71124.04	Occupational Dose Assessment	
3, 4	01/30/2012	02/03/2012	IP 71124.05	Radiation Monitoring Instrumentation	
3, 4	01/30/2012	02/03/2012	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
3, 4	01/30/2012	02/03/2012	IP 71124.07	Radiological Environmental Monitoring Program	
			PSB1EP	**- EMERGENCY PREPAREDNESS INSPECTION**	**1**
3, 4	02/13/2012	02/17/2012	IP 7111402	Alert and Notification System Testing	
3, 4	02/13/2012	02/17/2012	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
3, 4	02/13/2012	02/17/2012	IP 7111404	Emergency Action Level and Emergency Plan Changes	
3, 4	02/13/2012	02/17/2012	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
3, 4	02/13/2012	02/17/2012	IP 71151	Performance Indicator Verification	
			EB3 LR	**- POST APPROVAL LR INSPECTION - PHASE 2**	**6**
3, 4	05/21/2012	05/25/2012	IP 71003	Post-Approval Site Inspection for License Renewal	
3, 4	06/04/2012	06/08/2012	IP 71003	Post-Approval Site Inspection for License Renewal	
			PI&R	**- PROBLEM IDENTIFICATION AND RESOLUTION**	**5**
3, 4	06/18/2012	06/22/2012	IP 71152B	Identification and Resolution of Problems	
3, 4	06/25/2012	06/29/2012	IP 71152B	Identification and Resolution of Problems	

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