



**UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II
245 PEACHTREE CENTER AVENUE NE, SUITE 1200
ATLANTA, GEORGIA 30303-1257**

September 4, 2012

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: MID-CYCLE ASSESSMENT LETTER FOR TURKEY POINT NUCLEAR PLANT
UNIT 3 AND UNIT 4 (NRC INSPECTION REPORT 05000250/2012006 AND
05000251/2012006)**

Dear Mr. Nazar:

On August 15, 2012, the NRC completed its mid-cycle performance review of the Turkey Point Nuclear Plant Unit 1 and Unit 2. The NRC reviewed the most recent quarterly performance indicators in addition to inspection results and enforcement actions from July 1, 2011, through June 30, 2012. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility.

The NRC determined that overall, Turkey Point Unit 3 and Unit 4 operated in a manner that preserved public health and safety and met all cornerstone objectives. The NRC determined the performance at Turkey Point Unit 3 and 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 Finding in the Emergency Preparedness Cornerstone. This finding was documented in a final significance determination and assessment follow-up letter issued by the NRC on April 9, 2012, as Inspection Report 05000250/20120010 and 05000251/20120010 (ML12100A243). The April 9, 2012, letter documented the performance of Units 3 and 4 to be in the Regulatory Response Column of the Action Matrix as of the fourth quarter of 2011. Turkey Point Unit 3 and Unit 4 performance remained in the Regulatory Response Column during the first and second quarters of 2012.

On July 31, 2012, your staff notified the NRC of your readiness for a supplemental inspection to review the actions taken to address the performance issues associated with the White finding. 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 September 10, 2012. 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 December 31, 2013. Routine inspections performed by resident inspectors are not included in the inspection plan. In addition to the baseline inspections, consistent with the Agency's actions related to Fukushima, the NRC will perform TI-187, "Inspection of Near-Term Task Force Recommendation 2.3 Flooding Walkdowns," and TI-188, "Inspection of Near-Term Task Force Recommendation 2.3 Seismic Walkdowns." The inspections listed during the last nine months of the inspection plan are tentative and may be revised at the end-of-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. This inspection plan does not include security related inspections, which will be sent via separate, non-publicly available correspondence.

The NRC also plans on conducting Inspection Procedure 71004, Power Uprate, and initial operator licensing examinations.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter will be 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 Daniel W. Rich at (404) 997-4721 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA/

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 (09/01/12 - 12/31/13)

cc w/Encl: (See page 3)

The enclosed inspection plan lists the inspections scheduled through December 31, 2013. Routine inspections performed by resident inspectors are not included in the inspection plan. In addition to the baseline inspections, consistent with the Agency's actions related to Fukushima, the NRC will perform TI-187, "Inspection of Near-Term Task Force Recommendation 2.3 Flooding Walkdowns," and TI-188, "Inspection of Near-Term Task Force Recommendation 2.3 Seismic Walkdowns." The inspections listed during the last nine months of the inspection plan are tentative and may be revised at the end-of-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. This inspection plan does not include security related inspections, which will be sent via separate, non-publicly available correspondence.

We also plan on conducting the following infrequently performed inspections: Inspection Procedure 71004, Power Uprate; TI 2515/182, Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping and Tanks; and initial operator licensing examinations.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter will be 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).

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cc w/Encl: (See page 3)

X PUBLICLY AVAILABLE

☐ NON-PUBLICLY AVAILABLE

☐ SENSITIVE

X NON-SENSITIVE

ADAMS: ☐ Yes

ACCESSION NUMBER: _____

☐ SUNSI REVIEW COMPLETE ☐ FORM 665 ATTACHED

OFFICE	RII:DRP	RII:DRP	RII:DRP	RII:DRP			
SIGNATURE	SDR /RA/	DWR /RA/		RPC /RA/			
NAME	SRose	DRich	WJones	RCroteau			
DATE	08/22/2012	08/22/2012		08/23/2012			
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY DOCUMENT NAME: G:\DRP\INRPB3\MID & EOC INFO\2012\MID-CYCLE AGENDAS\TURKEY POINT\TP 2012 MID CYCLE LETTER.DOCX

M. Nazar

3

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Letter to Mano Nazar from Richard P. Croteau dated September 4, 2012

SUBJECT: MID-CYCLE ASSESSMENT LETTER FOR TURKEY POINT NUCLEAR PLANT
UNIT 3 AND UNIT 4 (NRC INSPECTION REPORT 05000250/2012006 AND
05000251/2012006)

Distribution w/encl:

C. Evans, RII EICS

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OE Mail

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ROP Reports

Institute of Nuclear Power Operations (INPO)

Turkey Point

Inspection / Activity Plan

09/01/2012 - 12/31/2013

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
3, 4	09/10/2012 09/14/2012	95001 IP 95001	- 95001 SUPPLEMENTAL INSPECTION Supplemental Inspection for One or Two White Inputs in a Strategic Performance Area	2
3, 4	09/10/2012 09/14/2012	TI-188 IP 2515/188	- TI-188 P1 - NTTF 2.3 - SEISMIC WALKDOWNS Inspection of Near-Term Task Force Recommendation 2.3 Seismic Walkdowns	1
3, 4	11/26/2012 11/30/2012	EB3 ISI IP 7111108P	- UNIT 4 INSERVICE INSPECTION Inservice Inspection Activities - PWR	1
3, 4	11/26/2012 11/30/2012	EB3 LR IP 71003	- UNIT 4 POST APPROVAL LR - PHASE 1 Post-Approval Site Inspection for License Renewal	2
3, 4	12/10/2012 12/14/2012	PSB1-RP IP 71124.01	- RADIOLOGICAL HAZARD ASSESSMENT Radiological Hazard Assessment and Exposure Controls	3
3, 4	12/10/2012 12/14/2012	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
3, 4	12/10/2012 12/14/2012	IP 71151	Performance Indicator Verification	
3	02/11/2013 02/15/2013	OL EXAM V23393	- INITIAL EXAM PREP TURKEY POINT/MARCH 2013 INITIAL EXAM AT POWER FACILITIES	3
3, 4	02/11/2013 02/15/2013	PSB1-RP IP 71124.01	- RP OCCUPATIONAL BASELINE Radiological Hazard Assessment and Exposure Controls	3
3, 4	02/11/2013 02/15/2013	IP 71124.02	Occupational ALARA Planning and Controls	
3, 4	02/11/2013 02/15/2013	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
3, 4	02/11/2013 02/15/2013	IP 71124.04	Occupational Dose Assessment	
3, 4	02/11/2013 02/15/2013	IP 71124.05	Radiation Monitoring Instrumentation	
3, 4	02/11/2013 02/15/2013	IP 71151	Performance Indicator Verification	
3, 4	02/25/2013 03/01/2013	PSB1-RP IP 71124.01	- RP OCCUPATIONAL BASELINE WEEK2 Radiological Hazard Assessment and Exposure Controls	3
3, 4	02/25/2013 03/01/2013	IP 71124.02	Occupational ALARA Planning and Controls	
3, 4	02/25/2013 03/01/2013	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
3, 4	02/25/2013 03/01/2013	IP 71124.04	Occupational Dose Assessment	
3, 4	02/25/2013 03/01/2013	IP 71124.05	Radiation Monitoring Instrumentation	
3, 4	02/25/2013 03/01/2013	IP 71151	Performance Indicator Verification	
3	03/04/2013 03/08/2013	OL EXAM V23393	- INITIAL EXAM - WEEK 1 TURKEY POINT/MARCH 2013 INITIAL EXAM AT POWER FACILITIES	3
3	03/11/2013 03/15/2013	OL EXAM V23393	- INITIAL EXAM - WEEK 2 TURKEY POINT/MARCH 2013 INITIAL EXAM AT POWER FACILITIES	2
3, 4	05/21/2013 05/23/2013	TP TFPI IP 7111105T	- TP - TRIENNIAL FIRE PROTECTION INSP Fire Protection [Triennial]	4

This report does not include INPO and OUTAGE activities.

This report shows only on-site and announced inspection procedures.

Enclosure

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
TP TFPI - TP - TRIENNIAL FIRE PROTECTION INSP					
3, 4	06/10/2013	06/14/2013	IP 7111105T	Fire Protection [Triennial]	4
3, 4	06/24/2013	06/28/2013	IP 7111105T	Fire Protection [Triennial]	
EP - EMERGENCY PREPAREDNESS EXERCISE					
3, 4	06/17/2013	06/21/2013	IP 71111401	Exercise Evaluation	1
3, 4	06/17/2013	06/21/2013	IP 71151	Performance Indicator Verification	
HS - TRIENNIAL HEAT SINK PERFORMANCE					
3, 4	08/12/2013	08/16/2013	IP 7111107T	Heat Sink Performance	1

Comments: