



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**  
REGION II  
SAM NUNN ATLANTA FEDERAL CENTER  
61 FORSYTH STREET, SW, SUITE 23T85  
ATLANTA, GEORGIA 30303-8931

September 1, 2009

Florida Power and Light Company  
ATTN: Mr. Mano Nazar, 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. Nazar:

On August 12, 2009, the NRC staff completed its performance review of the Turkey Point Nuclear Plant. Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results for the period from July 1, 2008 through June 30, 2009. 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 enclosed inspection plan do not include security information. A separate letter designated and marked as "Official Use Only--Security Information" will include the security cornerstone review and resultant inspection plan.

Plant performance for the most recent quarter at Turkey Point Units 3 and 4 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). Therefore, we plan to conduct reactor oversight process (ROP) baseline inspections at your facility.

The enclosed inspection plan details the inspections, less those related to security scheduled through December 31, 2010. In addition to ROP baseline inspection activities, we also plan on conducting several infrequently performed inspections, which include Temporary Instruction (TI) 2515/173, Review of the Implementation of the Industry Ground Water Protection Volunteer Initiative; and Operator Licensing Examinations. The inspection plan is provided 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 nine months of the inspection plan are tentative and may be revised at the end-of-cycle review.

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).

As you may know, the NRC is currently evaluating the scope and frequency of all the baseline inspection procedures. If the results of the evaluation, or any other circumstances, cause us to change the inspection plan, we will contact you to discuss the change as soon as possible. Please contact me at 404-562-4629 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

*/RA/*

Marvin D. Sykes, Chief  
Reactor Projects Branch 3  
Division of Reactor Projects

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

Enclosure: Turkey Point Nuclear Plant Inspection/Activity Plan (09/01/09 - 12/31/10)

cc w/encl: (See page 3)

cc w/encl:

Alison Brown, Nuclear Licensing  
Florida Power & Light Company  
Electronic Mail Distribution

McHenry Cornell, Director  
Licensing and Performance Improvement  
Florida Power & Light Company  
Electronic Mail Distribution

Michael Kiley, Site Vice President  
Turkey Point Nuclear Plant  
Florida Power and Light Company  
Electronic Mail Distribution

Niel Batista  
Emergency Management Coordinator  
Department of Emergency Management  
Department of Emergency Management  
and Homeland Security  
Electronic Mail Distribution

Paul Rubin, (Acting) Plant General Manager  
Turkey Point Nuclear Plant  
Florida Power and Light Company  
Electronic Mail Distribution

Abdy Khanpour, Vice President  
Engineering Support  
Florida Power and Light Company  
Electronic Mail Distribution

Mark E. Warner  
Vice President, Nuclear Operations  
South Region  
Florida Power & Light Company  
Electronic Mail Distribution

Mitch S. Ross  
Vice President and Associate General  
Counsel  
Florida Power & Light Company  
Electronic Mail Distribution

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

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

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

Richard L. Anderson, Vice President  
Nuclear Plant Support  
Florida Power & Light Company  
Electronic Mail Distribution

Senior Resident Inspector  
U.S. Nuclear Regulatory Commission  
Turkey Point Nuclear Generating Station  
U.S. Nuclear Regulatory Commission  
9760 SW 344th St.  
Florida City, FL 33035

Attorney General  
Department of Legal Affairs  
The Capitol PL-01  
Tallahassee, FL 32399-1050

Mike A. Shehadeh, P.E.  
City Manager  
City of Homestead  
Electronic Mail Distribution

County Manager of Miami-Dade County  
111 NW 1st Street, 29th Floor  
Miami, FL 33128

Rajiv S. Kundalkar  
Vice President - Fleet Organizational  
Support  
Nuclear Technical Services  
Florida Power & Light Company  
Electronic Mail Distribution

**Turkey Point**  
**Inspection / Activity Plan**  
**09/01/2009 - 12/31/2010**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>OL EXAM - INITIAL EXAM - WEEK 2</b>		<b>5</b>
3	08/31/2009	09/04/2009	V23313	TURKEY POINT/AUGUST 2009 EXAM AT POWER FACILITIES	
			<b>PSB1-RP - RP OCCUPATIONAL INSPECTION WK1 (OUTAGE)</b>		<b>2</b>
3,4	10/26/2009	10/30/2009	IP 7112101	Access Control to Radiologically Significant Areas	
3,4	10/26/2009	10/30/2009	IP 7112102	ALARA Planning and Controls	
3,4	10/26/2009	10/30/2009	IP 7112202	Radioactive Material Processing and Transportation	
3,4	10/26/2009	10/30/2009	IP 71151	Performance Indicator Verification	
			<b>EB3ISI - UNIT 4 INSERVICE INSPECTION</b>		<b>1</b>
4	11/02/2009	11/06/2009	IP 7111108P	Inservice Inspection Activities - PWR	
			<b>EB3SGISI - UNIT 4 SG ISI</b>		<b>1</b>
4	11/09/2009	11/13/2009	IP 7111108P	Inservice Inspection Activities - PWR	
			<b>PSB1-RP - RP OCCUPATIONAL INSPECTION WK2 (OUTAGE)</b>		<b>2</b>
3,4	11/16/2009	11/20/2009	IP 2515/173	Review of the Implementation of the Industry Ground Water Protection Voluntary Initiative	
3,4	11/16/2009	11/20/2009	IP 7112101	Access Control to Radiologically Significant Areas	
3,4	11/16/2009	11/20/2009	IP 7112102	ALARA Planning and Controls	
3,4	11/16/2009	11/20/2009	IP 7112202	Radioactive Material Processing and Transportation	
			<b>TFPI 805 - TFPI</b>		<b>7</b>
3,4	01/25/2010	01/29/2010	IP 7111105T	Fire Protection [Triennial]	
3,4	02/08/2010	02/12/2010	IP 7111105T	Fire Protection [Triennial]	
			<b>OL RQ - REQUAL INSPECTION</b>		<b>3</b>
3,4	01/11/2010	01/15/2010	IP 7111111B	Licensed Operator Requalification Program	
			<b>PSB1-RP - RP PUBLIC RADIATION PROTECTION</b>		<b>3</b>
3,4	01/11/2010	01/15/2010	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment	
3,4	01/11/2010	01/15/2010	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems	
3,4	01/11/2010	01/15/2010	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control Program	
3,4	01/11/2010	01/15/2010	IP 71151	Performance Indicator Verification	
			<b>EB1-MODS - MODIFICATIONS -10CFR50.59</b>		<b>3</b>
3,4	04/19/2010	04/23/2010	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
3,4	05/03/2010	05/07/2010	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
			<b>PSB1EP - EMERGENCY PREPAREDNESS INSPECTION</b>		<b>1</b>
3,4	02/15/2010	02/19/2010	IP 7111402	Alert and Notification System Testing	
3,4	02/15/2010	02/19/2010	IP 7111403	Emergency Response Organization Augmentation Testing	
3,4	02/15/2010	02/19/2010	IP 7111404	Emergency Action Level and Emergency Plan Changes	
3,4	02/15/2010	02/19/2010	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
3,4	02/15/2010	02/19/2010	IP 71151	Performance Indicator Verification	

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**  
**09/01/2009 - 12/31/2010**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>PI&amp;R - PROBLEM IDENTIFICATION AND RESOLUTION</b>		<b>5</b>
3	05/03/2010	05/07/2010	IP 71152B	Identification and Resolution of Problems	
3	05/17/2010	05/21/2010	IP 71152B	Identification and Resolution of Problems	
			<b>EB3 HS - HEAT SINK INSPECTION</b>		<b>1</b>
3,4	08/09/2010	08/13/2010	IP 7111107T	Heat Sink Performance	
			<b>OL EXAM - INITIAL EXAM PREP</b>		<b>3</b>
3	09/27/2010	10/01/2010	V23312	TURKEY POINT/OCTOBER 2010 EXAM AT POWER FACILITIES	
			<b>PSB1-RP - RP ACCESS CONTROLS</b>		<b>1</b>
3,4	09/27/2010	10/01/2010	IP 7112101	Access Control to Radiologically Significant Areas	
			<b>EB3ISI - UNIT 3 INSERVICE INSPECTION</b>		<b>1</b>
3	10/04/2010	10/08/2010	IP 7111108P	Inservice Inspection Activities - PWR	
			<b>OL EXAM - INITIAL EXAM PREP</b>		<b>7</b>
3	10/04/2010	10/08/2010	V23312	TURKEY POINT/OCTOBER 2010 EXAM AT POWER FACILITIES	
			<b>EB3SGISI - UNIT 3 SG INSERVICE INSPECTION</b>		<b>1</b>
3	10/11/2010	10/15/2010	IP 7111108P	Inservice Inspection Activities - PWR	
			<b>OL EXAM - INITIAL EXAM WEEK 1</b>		<b>6</b>
3	10/18/2010	10/22/2010	V23312	TURKEY POINT/OCTOBER 2010 EXAM AT POWER FACILITIES	
			<b>OL EXAM - INITIAL EXAM WEEK 3</b>		<b>3</b>
3	11/15/2010	11/19/2010	V23312	TURKEY POINT/OCTOBER 2010 EXAM AT POWER FACILITIES	
			<b>OL EXAM - INITIAL EXAM WEEK 4</b>		<b>3</b>
3	11/22/2010	11/26/2010	V23312	TURKEY POINT/OCTOBER 2010 EXAM AT POWER FACILITIES	

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