



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

March 3, 2004

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 - ST. LUCIE NUCLEAR PLANT REPORT  
50-335/04-01 AND 50-389/04-01**

Dear Mr. Stall:

On February 3, 2004, the NRC staff completed its end-of-cycle plant performance assessment of the St. Lucie Nuclear Plant. The end-of-cycle review for St. Lucie involved the participation of all technical divisions in evaluating performance indicators (PIs) for the most recent quarter and inspection results for the period from January 1 through December 31, 2003. 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 will allow you an opportunity to prepare for these inspections and to inform us of any planned inspections that may conflict with your plant activities.

Overall, St. Lucie operated in a manner that preserved public health and safety and fully met all cornerstone objectives. Plant performance for the most recent quarter was within the Regulatory Response column of the NRC's Action Matrix based on a PI that indicated performance at a level requiring additional inspection. The Unplanned Scrams per 7000 Critical Hours PI crossed the White threshold due to a reactor trip that occurred in the fourth quarter. A Supplemental Inspection using Inspection Procedure 95001 was conducted in February 2004. Therefore, we plan to conduct only reactor oversight program (ROP) baseline inspections at your facility through September 30, 2005. We also plan on conducting several non-ROP inspections in the areas of reactor pressure vessel head and vessel head penetration nozzles, reactor containment sump blockage, and spent fuel material control and accountability.

The enclosed inspection plan details the inspections scheduled through September 30, 2005. 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 mid-cycle review meeting.

As you are aware, the NRC has issued several Orders and threat advisories to enhance security capabilities and improve guard force readiness since the terrorist attacks on September 11, 2001. We have conducted inspections to review your implementation of these requirements and have monitored your actions in response to changing threat conditions. For calendar year 2004, we plan to continue inspections of order implementation combined with newly developed portions of the security baseline inspection program.

In accordance with 10 CFR 2.790 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 this inspection plan, we will contact you to discuss the change as soon as possible. Please contact Joel Munday, Chief, Reactor Projects Branch 3, at 404-562-4560 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

*/RA/*

Victor M. McCree, Director  
Division of Reactor Projects

Docket Nos.: 50-335, 50-389  
License Nos.: DPR-67, NPF-16

Enclosure: St. Lucie Inspection/Activity Plan

cc w/encl: (See page 3)

cc w/encl:

William Jefferson, Jr.  
Site Vice President  
St. Lucie Nuclear Plant  
Florida Power & Light Company  
Electronic Mail Distribution

G. L. Johnston  
Plant General Manager  
St. Lucie Nuclear Plant  
Electronic Mail Distribution

Terry L. Patterson  
Licensing Manager  
St. Lucie Nuclear Plant  
Electronic Mail Distribution

Don Mothena, Manager  
Nuclear Plant Support Services  
Florida Power & Light Company  
Electronic Mail Distribution

Mark Dryden  
Administrative Support & Special Projects  
Florida Power & Light Company  
Electronic Mail Distribution

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

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

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

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

J. Kammel  
Radiological Emergency  
Planning Administrator  
Department of Public Safety  
Electronic Mail Distribution

Douglas Anderson  
County Administrator  
St. Lucie County  
2300 Virginia Avenue  
Ft. Pierce, FL 34982

INPO  
Institute of Nuclear Power Operations  
700 Galleria Parkway SE  
Atlanta, GA 30339-5943

**Saint Lucie**  
**Inspection / Activity Plan**  
**03/01/2004 - 09/30/2005**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	<b>DRP/BR3 - SUPPLEMENTAL INSPECTION 95001</b>		<b>1</b>			
2	IP 95001	Supplemental Inspection For One Or Two White Inputs In A Strategic Performance Area		02/01/2004	03/01/2004	Supplemental Progra
	<b>2515/154 - TI 2515/154 - SPENT FUEL MC&amp;A</b>		<b>2</b>			
1,2	IP 2515/154	Spent Fuel Material Control and Accounting at Nuclear Power Plants		02/01/2004	05/29/2004	Safety Issues
	<b>2515/153 - TI 2515/153 RPV CONTAINMT SUMP BLOCKAGE</b>		<b>1</b>			
1,2	IP 2515/153	Reactor Containment Sump Blockage (NRC Bulletin 2003-01)		03/01/2004	12/22/2004	Safety Issues
	<b>EB2-ISI - INSERVICE INSPECTION-U1</b>		<b>1</b>			
1	IP 7111108P	Inservice Inspection Activities - PWR		03/29/2004	04/02/2004	Baseline Inspections
	<b>EB2 RPV - TI2515/150 RPV HEAD &amp; PENETRATION NOZZLE</b>		<b>2</b>			
1	IP 2515/150	Reactor Pressure Vessel Head and Vessel Head Penetration Nozzles (NRC Bulletin 2002-0		04/12/2004	04/16/2004	Safety Issues
	<b>PS-SEC - SECURITY</b>		<b>3</b>			
1,2	IP 7113001	Access Authorization		06/21/2004	06/25/2004	Baseline Inspections
1,2	IP 7113002	Access Control		06/21/2004	06/25/2004	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		06/21/2004	06/25/2004	Baseline Inspections
	<b>OL PREP - INITIAL EXAM PRE-INSPECTION VISIT</b>		<b>3</b>			
1	V23220	ST. LUCIE/EXAMS AT POWER FACILITIES		07/19/2004	07/23/2004	Not Applicable
	<b>OL EXAM - LICENSED OPERATOR INITIAL EXAM</b>		<b>3</b>			
1	V23220	ST. LUCIE/EXAMS AT POWER FACILITIES		08/02/2004	08/06/2004	Not Applicable
	<b>OL EXAM - LICENSED OPERATOR INITIAL EXAM</b>		<b>3</b>			
1	V23220	ST. LUCIE/EXAMS AT POWER FACILITIES		08/16/2004	08/20/2004	Not Applicable
	<b>EB2-MR - MAINTENANCE EFFECTIVENESS</b>		<b>1</b>			
1,2	IP 7111112B	Maintenance Effectiveness		10/18/2004	10/22/2004	Baseline Inspections
	<b>EB2-ISI - INSERVICE INSPECTION-U2</b>		<b>1</b>			
2	IP 7111108P	Inservice Inspection Activities - PWR		11/29/2004	12/03/2004	Baseline Inspections
	<b>PS-RP - RADIATION PROTECTION</b>		<b>2</b>			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		11/29/2004	12/03/2004	Baseline Inspections
1,2	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		11/29/2004	12/03/2004	Baseline Inspections
1,2	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		11/29/2004	12/03/2004	Baseline Inspections
1,2	IP 7112203	Radiological Environmental Monitoring Program		11/29/2004	12/03/2004	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		11/29/2004	12/03/2004	Baseline Inspections
	<b>EB2SGISI - STEAM GENERATOR INSERVICE INSPECTION-U2</b>		<b>1</b>			
2	IP 7111108P	Inservice Inspection Activities - PWR		12/13/2004	12/16/2004	Baseline Inspections
	<b>EB2-RPV - TI2515/150 RPV HEAD &amp; PENETRATION NOZZLE</b>		<b>1</b>			
2	IP 2515/150	Reactor Pressure Vessel Head and Vessel Head Penetration Nozzles (NRC Bulletin 2002-0		12/13/2004	12/17/2004	Safety Issues

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

**Saint Lucie**  
**Inspection / Activity Plan**  
**03/01/2004 - 09/30/2005**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	<b>EB2-HS - HEAT SINK</b>		<b>1</b>			
1,2	IP 7111107B	Heat Sink Performance		01/23/2005	01/28/2005	Baseline Inspections
	<b>OL EP - EMERGENCY PREPAREDNESS</b>		<b>1</b>			
1,2	IP 7111402	Alert and Notification System Testing		01/31/2005	02/04/2005	Baseline Inspections
1,2	IP 7111403	Emergency Response Organization Augmentation Testing		01/31/2005	02/04/2005	Baseline Inspections
1,2	IP 7111404	Emergency Action Level and Emergency Plan Changes		01/31/2005	02/04/2005	Baseline Inspections
1,2	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		01/31/2005	02/04/2005	Baseline Inspections
1,2	IP 71151	Performance Indicator Verification		01/31/2005	02/04/2005	Baseline Inspections
	<b>EB2-MODS - MODIFICATIONS/10CFR50.59</b>		<b>3</b>			
1,2	IP 7111102	Evaluation of Changes, Tests, or Experiments		04/04/2005	04/08/2005	Baseline Inspections
1,2	IP 711117B	Permanent Plant Modifications		04/04/2005	04/08/2005	Baseline Inspections
	<b>EB1SSDPC - SSDPC PRE-INSPECTION VISIT</b>		<b>2</b>			
1,2	IP 7111121	Safety System Design and Performance Capability		05/02/2005	05/06/2005	Baseline Inspections
	<b>EB1SSDPC - SAFETY SYSTEM DESIGN &amp; PERF. CAPABILITY</b>		<b>5</b>			
1,2	IP 7111121	Safety System Design and Performance Capability		06/06/2005	06/10/2005	Baseline Inspections
1,2	IP 7111121	Safety System Design and Performance Capability		06/20/2005	06/24/2005	Baseline Inspections
	<b>OL RQ - LICENSED OPERATOR REQUALIFICATION</b>		<b>2</b>			
1,2	IP 7111111B	Licensed Operator Requalification Program		08/29/2005	09/02/2005	Baseline Inspections
	<b>OL PREP - INITIAL EXAM PRE-INSPECTION VISIT</b>		<b>3</b>			
1	V23220	ST. LUCIE/EXAMS AT POWER FACILITIES		09/19/2005	09/23/2005	Not Applicable