



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

July 5, 2012

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

SUBJECT: ST. LUCIE PLANT - NOTIFICATION OF INSPECTION AND REQUEST FOR INFORMATION

Dear Mr. Nazar:

On August 27-31, 2012, the NRC will perform a baseline Radiation Safety Inspection at your Plant St. Lucie site (NRC Inspection Procedures IP71124.01 and IP71124.08).

Experience has shown that this inspection is resource intensive for both the NRC inspectors and your staff. In order to minimize the impact to your on-site resources and to ensure a productive inspection, we have enclosed a request for documents needed for this activity. It is important that all of these documents are up to date and complete, thereby minimizing the number of additional documents requested during the preparation and/or the onsite portions of the inspection. The inspector has requested that the subject informational material be provided in CD format on or before August 13, 2012.

We have discussed the schedule for these inspection activities with your staff and understand that our regulatory contact for this inspection will be Mr. D. Cecchetti of your organization. If there are any questions about this inspection or the material requested, please contact the lead inspector, George B. Kuzo at (404) 997-4658 or the Chief of Plant Support Branch 1, Brian Bonser at (404) 997-4653.

In accordance with 10 CFR 2.390 of the NRC's Rules of Practice, a copy of this letter and its enclosure 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).

This letter does not contain new or amended information collection requirements subject to the Paperwork Reduction Act of 1995 (44 U.S.C. 3501 et seq.). Existing information collection

requirements were approved by the Office of Management and Budget, under control number 3150-0011. The NRC may not conduct or sponsor, and a person is not required to respond to, a request for information or an information collection requirement unless the requesting document displays a currently valid Office of Management and Budget control number.

Sincerely,

/RA/

Brian Bonser, Chief
Plant Support Branch 1
Division of Reactor Safety

Docket No. 50-335, 50-389
License No. DPR-67 and NPF-16

Enclosure:
Pre-Inspection Document Request

cc w/encl: (See page 3)

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cc w/encl: (See page 3)

Distribution w/encl:

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OE Mail (email address if applicable)
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X PUBLICLY AVAILABLE ☐ NON-PUBLICLY AVAILABLE ☐ SENSITIVE X NON-SENSITIVE
ADAMS: X Yes ACCESSION NUMBER: ML12188A666 X SUNSI REVIEW COMPLETE X FORM 665 ATTACHED

OFFICE	RII: DRS/PSB1	RII: DRS/PSB1			
SIGNATURE	RA/GK	RA/BB			
NAME	G. KUZO	B. BONSER			
DATE	07/03/2012	07/05/2012			
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY DOCUMENT NAME: G:\DRSI\PSB1\INFORMATION REQUEST LETTERS\ST
LUCIE\STLUCIE 2012 DOCUMENT REQUEST REV1.DOCX

cc w/encl:

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**PUBLIC AND OCCUPATIONAL RADIATION SAFETY
CORNERSTONE INSPECTION
INFORMATION REQUEST**

SITE: Plant St. Lucie 05000335, 389/2010004

DOCUMENTS DUE TO REGION II BY: August 13, 2012

INSPECTION DATES: August 27 – August 31, 2012

NRC INSPECTORS: George B. Kuzo, george.kuzo@nrc.gov
(404) 997-4658
Jonathan Rivera, jonathan.rivera@nrc.gov
(404) 997-4646
William Pursley, william.pursley@nrc.gov
(404) 997-4517

IDENTIFIED LICENSEE CONTACTS: Radiation Controls - Christopher Martin, RPM (772) 467-7501 ext.7308; Effluent Processing - Al Locke (772) 465-3550, ext. 7049; Transportation/Radwaste – Joe Simon (772) 465-3550, ext. 3704; Licensing/Compliance - Don Cecchetti ext. 7155; Corporate Health Physicist Joe Danek; (561) 694-4213.

Inspection Procedures:	IP 71124.01	Radiological Hazards
	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation

Note: This is a broad list of the documents the NRC inspectors will be interested in obtaining and reviewing prior to the on-site inspection visit. The current version of these documents is expected unless specified otherwise. Electronic media is preferred, if readily available. (The preferred file format is Word or searchable “pdf” files on CDROM. Please provide two copies of each electronic media device submitted.) Information in the “document lists” should contain enough information to be easily understood by someone who has a knowledge of the subject. The lead inspector can answer questions regarding questions on specific information needs with licensee staff and may request additional documents.

General Information Needed

1. List of primary contacts for each inspection area with phone numbers.
2. Procedure for issuing Nuclear Condition Reports and assessing issues for risk significance and follow-up actions.
3. Updated Final Safety Analysis Report Chapters 11, Effluents/Radwaste; and Chapter 12 Radiation Protection.
4. Process Control Program.
5. Current Part 61 Analysis Results for Dry Active Waste (DAW).
6. Outage schedule of major activities (Gantt chart if available).
7. Audits and self-assessments performed since the last inspection that encompasses the areas of (1) radiation protection, (2) access controls, (3) solid radioactive waste processing and (4) shipping and transportation of radioactive material.

Enclosure

71124.01: Radiological Hazard Assessment and Exposure Controls

1. List of outage RWPs.
2. Plant maps of all Locked HRAs and VHRAs. Include areas with the potential to become a LHRA during routine operations or outages.
3. Procedures related to HP controls (e.g. Posting, labeling, surveys, RWPs, contamination control, HRA/LHRA/VHRA control, key control, control of divers, special controls during fuel offload, hot spots, etc.).
4. List of the 5 most exposure significant work tasks within radiation areas, high radiation areas (<1R/hr), LHRAs, or airborne radioactivity areas in the plant. This may include areas with low dose rates but high collective dose. Identify any high radiation areas with significant dose gradients (factor of five or more), including underwater diving activities.
5. Procedures related to release of personnel and materials (e.g. release surveys, decontamination, guidance for electronic dosimetry alarm follow up, etc.).
6. List of Nationally Tracked Sources and any change-of-ownership transactions.
7. List of all non-fuel items stored in spent fuel pool.
8. All self-assessments or audits covering HP controls since January 1, 2011, (if none, then provide the most recent).
9. List of CRs related to HP controls since January 1, 2011. *This should be a list of corrective action documents containing a CR number and brief description, not full CRs.*
10. All CRs related to Nationally Tracked Sources since January 1, 2011.

Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation [IP 71124.08]

1. Site and corporate procedures associated with radioactive waste processing and handling, storage, and transportation of radioactive material (RAM) including:
 - a. Storage and handling of RAM including non-RCA and satellite RCA locations.
 - b. Waste stream mixing, sampling, concentration averaging, and use of scaling factors for hard to detect nuclides.
 - c. Monitoring impact of long-term storage (e.g. build up of gases produced by waste decomposition, chemical reactions, container deformation, loss of container integrity, re-release of free-flowing water).
 - d. Transferring of resin and/or sludge into shipping/disposal containers; dewatering and waste stabilization.
 - e. Preparing packages and documentation for shipping radioactive materials.
 - f. List of RAM storage areas, including satellite RCAs.
 - g. Process Control Program.
2. List of changes to the radioactive waste processing systems since July 1, 2011, and copies of the associated 50.59 screening documentation.
3. Log of radioactive material shipments (LSA I, II, III; SCO I, II, Type A, or Type B) since July 1, 2011. (The inspectors will select 3-5 packages to review in detail.).
4. List of condition reports (brief description only) and the results of any self assessments or audits generated since July 1, 2011, related to radioactive solid waste processing and packaging, handling, storage, and shipping of radioactive materials.

Assistance Requested During On-Site Inspection

- An operator to accompany inspectors on walk-down your current radwaste processing system.
- An HP Specialist to interface with an inspector regarding any shipments or receipts of radioactive material.
- An HP specialist to accompany inspector on tour of containment and auxiliary building walk-downs.

Inspector Contact Information:

George Kuzo

(404) 997-4658

[mailto: george.kuzo@nrc.gov](mailto:george.kuzo@nrc.gov)

Mailing Address

US Nuclear Regulatory Commission, Region II

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