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

April 20, 2010

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

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

Dear Mr. Nazar:

During the period of May 10 - 14, 2010, the NRC will conduct baseline radiation safety inspection activities at your Plant St. Lucie site. The inspection will focus on the Occupational Radiation Safety Inspection cornerstone using NRC Inspection Procedure (IP) 71124.01. In addition, the site's implementation of the Industry Ground Water Protection Voluntary Initiative will be reviewed using Temporary Instruction (TI) 2515/173.

Experience has shown that this inspection is resource intensive both for the NRC inspectors and your staff. In order to minimize the impact to your on-site resources and to conduct a productive inspection, we have enclosed a request for documents needed for this inspection. It is important that all of these documents are up to date and complete, in order to minimize the number of additional documents requested during the preparation and/or the onsite portions of the inspection. The lead inspector has requested that the subject informational material be made available to the NRC staff by May 3, 2010, to allow preparation for the upcoming inspection

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. Cecchett 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.

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).

Sincerely,

/Rebecca Nease RA for/

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

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

Enclosure: Occupational Radiation Protection Inspection Document Request

cc w/encl: (See page 3)

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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

OFFICE	RII:DRS	RII:DRP	RII:DRS				
SIGNATURE	GBK /RA/	MDS /RA/	RBR /RA/				
NAME	KUZO	MSYKES	BONSER				
DATE	04/19/2010	04/19/2010	04/19/2010				
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY DOCUMENT NAME: G:\DRSII\PSB1\INFORMATION REQUEST LETTERS\ST LUCIE\2010003_PSL_INFOREQUEST(REV1).DOC

cc w/encl:
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Letter to Mano Nazar from Brian Bonser dated April 20, 2010

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

Distribution w/encl:
C. Evans, RII
L. Slack, RII
OE Mail
RIDSNRRDIRS
PUBLIC
RidsNrrPMTurkeyPoint Resource

OCCUPATIONAL RADIATION SAFETY CORNERSTONE INSPECTION
INFORMATION REQUEST

SITE: Plant St. Lucie 05000335,389/2010003

PRE-INSPECTION VISIT: Not Applicable

INSPECTION DATES: May 10-14, 2010

NRC INSPECTORS: George B. Kuzo, George.Kuzo@NRC.GOV
N. Jeff Griffis, Jeff.Griffis@NRC.GOV

ACCOMPANYING PERSONNEL

IDENTIFIED LICENSEE CONTACTS: Radiation Controls – Christopher Martin, RPM/Brent Robinson (772 467-7501/7308); ALARA - Keith Mourning (x7310); Remote Monitoring/Instrumentation - Barry Robinson (x7269); Groundwater Protection Initiative – Bruce Vogel (x3986); Dosimetry – Brent Robinson (x7308); and Licensing/Compliance - Don Cecchett (x7155).

Inspection Procedures:	IP 71124.01	Radiological Hazard Assessment and Exposure Controls
	TI 2515/173	Review of the Implementation of the Industry Ground Water Protection Voluntary Initiative (Revision 1)

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 or USB drive. 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

- Organization Charts and Contact Phone Numbers for:
  - Radiation Protection
  - Chemistry
- Procedure for issuing Condition Report (CR) documents and assessing issues for risk significance and follow-up actions.
- Updated Final Safety Analysis Report Chapters 11, Effluents/Radwaste; and Chapter 12 Radiation Protection
- Current version/revision of the Offsite Dose Calculation Manual (ODCM)

- Annual Radiological Environmental Operating Report (AREOR) for Calendar Year (CY) 08 and CY 09
- Annual Radiological Effluent Release Report (ARERR) documents for CY 2008 and CY 2009
- Current Part 61 Analysis Results for Dry Active Waste (DAW)
- Outage schedule of major activities (Gantt chart if available).

OCCUPATIONAL DOSE ASSESSMENT [71124.04]

- Provide Procedures/Guidance Documents for:
  - external dose monitoring, i.e., dosimetry issuance and use. The documents should include:
    guidance for multi-badging; monitoring in steep/highly variable dose rate gradients; personnel contamination events; storage/care of personal dosimeters; use of electronic dosimeters including evaluation of any biases identified relative to TLD monitoring
  - internal dose assessment, i.e., both *in vivo* and *in vitro* bioassay and air sampling capabilities. The documents should include guidance for calibration/QC and use of whole body counter (WBC); release of contaminated individuals, use of passive monitoring as screening method for evaluations, and special *in vitro* sample collection and analysis, and actions for declared pregnant workers.
- List of all positive whole body count (WBC), in vitro, or air sampling analyses which resulted in an assigned CEDE equal to or exceeding 10 millirem since April 1, 2009. *[Note: only a listing should be provided for use by the inspectors to select a sample of issues for in- depth review during the on-site inspection]*
- List of all personnel contamination events, dispersed contamination/discrete particles, identified since April 1, 2009. *[Note: only a listing should be provided for use by the inspectors to select a sample of issues for in- depth review during the on site inspection]*
- Copies of all audits, self-assessments, and/or reviews related to internal or external dosimetry issues generated since January 1, 2009. The documents provided should to include any reviews/evaluations conducted of vendor facilities, e.g., corporate or outside vendor/ or corporate calibration facilities.
- Provide a list of Condition Report (CR) documents generated since April 1, 2009, for Internal or external dosimetry issues/events. *[Note: only titles/summary statement should be provide for use by the inspectors to select a sample of issues for in-depth review]*

REVIEW OF THE IMPLEMENTATION OF THE INDUSTRY GROUNDWATER PROTECTION VOLUNTARY INITIATIVE [TI 2515/173 Rev.1]

- Provide procedures/guidance documents for groundwater monitoring program including:
  Sample collection and frequency
  NEI Groundwater Protection Initiative (GPI) compliance including communication protocols
  Processes for remediation (as applicable)
  Record keeping
  Quality Assurance

- All 30-day reports, special reports, or voluntary/informal communication reports since January 1, 2008
- ODCM [Note: provided as part of the General Information Request and do not need to be duplicated
- Current maps showing locations of all groundwater monitoring / remediation wells
- Most current site hydrology/geology report
- Any revisions to UFSAR or ODCM made as a result of the groundwater monitoring program
- List of Structures, Systems, and Components (SSCs) ranked according to risk for release of contaminated liquid
- Current 50.75(g) decomissioning files (do not make copies – only access to appropriate hardcopy or electronic files)