



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

July 25, 2008

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

SUBJECT: SAINT LUCIE NUCLEAR POWER PLANT - NOTIFICATION OF INSPECTION
AND REQUEST FOR INFORMATION

Dear Mr. Stall:

During the period of September 8 - 12, 2008, the NRC will conduct baseline radiation safety inspection activities at the St Lucie Nuclear Station. The inspection will focus on the Public Radiation Safety Inspection cornerstone using NRC Inspection Procedures (IPs) 71121.03, 71122.01, 71122.03; and will include the Radiation Safety sections of IP 71151. The inspectors also will complete the annual review of radiation protection activities associated with access controls to radiologically significant areas as outlined in IP 71121.01.

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 scheduled a conference call with your staff on August 13, 2008, to discuss and answer questions regarding the requested material.

We have discussed the schedule for these inspection activities with your staff and understand that our regulatory contact for this inspection will be Mr. 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) 562-4658.

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,

/RA/

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

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

Enclosure: Public Radiation Protection Inspection Document Request

(cc: w/encl – See Page 3)

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☒ PUBLICLY AVAILABLE ☐ NON-PUBLICLY AVAILABLE ☐ SENSITIVE ☒ NON-SENSITIVE

ADAMS: ☒ Yes ACCESSION NUMBER: _____

☒ SUNSI REVIEW COMPLETE

OFFICE	RII:DRS	RII:DRP	RII:DRS				
SIGNATURE	/RA/	/RA/	/RA/				
NAME	KUZO	SYKES	BONSER				
DATE	07/25/2008	07/25/2008	07/25/2008	7/ /2008	7/ /2008	7/ /2008	7/ /2008
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY DOCUMENT NAME: G:\DRS\PSB1\INFORMATION REQUEST LETTERS\ST
LUCIE\INFORMATIONREQUEST_PSL_2008-004(REV0).WPD

cc w/encl:

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Letter to J. Art Stall from Brian Bonser dated July 25, 2008

SUBJECT: ST. LUCIE PLANT - NRC INTEGRATED INSPECTION REPORT
05000335/2008 AND 05000389/2008

Distribution w/encl:
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PUBLIC

**PUBLIC RADIATION PROTECTION INSPECTION
DOCUMENT REQUEST**

SITE: Plant St. Lucie Nuclear Station (PSL) Rpt. 05000335,389/2008004

CONFERENCE CALL: August 13, 2008

INSPECTION DATES: September 8 - 12, 2008

NRC INSPECTORS: George B. Kuzo GBK1@NRC.GOV (404) 562-4658
Adam Nielsen ADN@NRC.GOV (404) 562-4660
Heather Gepford HJG1@NRC.GOV (404) 562-4659

IDENTIFIED LICENSEE CONTACTS: Radiation Controls - Mark Moore, RPM (772 467-7785); Portable Instruments/SCBA - Barry Robinson (7269); Effluents/ Process Monitors - Locke (7049); REMP - Pete Bailey (561 694-4179); and Licensing/Compliance - Don Cecchett (7155)

Inspection Procedures:	IP 71121.01	Access Control to Radiologically Significant Areas
	IP 71121.03	Radiation Monitoring Instrumentation and Protective Equipment,
	IP 71122.01	Radioactive Gases and Liquid Effluent Treatment & Monitoring Systems
	IP 71122.03	Radiological Environmental Monitoring Program
	IP 71151	Performance Indicator Verification for Occupational and Public Radiation Safety Cornerstones

Note: This is a broad list of the documents the lead NRC inspector will be interested in reviewing and obtaining during the pre-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, WordPerfect, or searchable ".pdf" files on CD-ROM. Please provide 3 copies of each CDROM that is 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 will discuss specific information needs with the licensee staff and may request additional documents.

ACCESS CONTROLS TO RADIOLOGICALLY SIGNIFICANT AREAS [71121.01]

- Provide List/Maps of:
 - current Radiation Area (RA) High Radiation Area (HRA), Locked- HRA (LHRA), Very -HRA (VHRA), and airborne radioactivity area locations. Note: only provide general area maps of elevations identifying rooms with HRA/LHRA/VHRA conditions. Detailed maps of specific rooms/areas are not needed
- Provide Procedure/Guidance documents for:
 - administrative and physical access controls including posting, labeling, survey frequency, dosimetry, multi-badging, LHRA key control, control of divers, controls for non-fuel highly activated materials stored in Spent Fuel Pool (SPF), direct alarming dosimetry (DAD) use,

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- Radiation Work Permit (RWP) development
- Provide Corrective Action Program (CAP) documents including:
 - listing of Condition Reports (CRs) issued/documented since October 1, 2007 for radiation protection program activities including access control/personnel contamination events, and intakes
 - Audit and self assessments conducted/issued since October 1, 2007 for radiation protection program activities
- Provide list of scheduled work in HRAs, LHRAs, VHRAs, airborne radioactivity areas tentatively scheduled for the week of onsite inspection (09/08 – 12/2008)
- Identify list of infrequently performed tasks or tasks potentially involving LHRA/VHRA condition completed since October 1, 2007
- Provide the Following Records/Evaluations
 - List 10 maximum personnel exposures for Calendar Years (CY) 2007 and Year-to-Date (YTD) 2008
 - List of internal dose assessments (with assigned dose) for intakes since October 1, 2007
 - List of Personnel Contamination Assessments conducted since October 1, 2007 - general list, not details

RADIATION PROTECTION INSTRUMENTATION AND PROTECTIVE EQUIPMENT [71121.03]

- IF PASS capabilities have been modified through license amendment, provide copy of amendment and applicable SER
- Provide Procedures/Guidance for:
 - operation, calibration, maintenance of ARM, CAM, Portal Monitor (PM), Personnel Contamination Monitor (PCM), Small Article Monitor (SAM), and Whole Body Counter (WBC) equipment,
 - issuance/operation of portable survey instruments
 - calibration and maintenance of portable instruments (ion chamber, GM, rem-ball etc) performed on site
 - identify any portable radiation detection instruments sent to vendor facilities for calibration
 - actions taken when portable instrument found to be significantly out of tolerance/calibration
 - issuance and use of respiratory protective equipment (SCBA and Air Supplied equipment)
 - training for use of SCBA and supplied-air systems
 - SCBA maintenance activities
 - determination/verification of Grade D air for SCBA
- Provide the two most recent calibration records for the following ARM/CAM equipment:
 - Unit 1 Spent Fuel Pool Monitor, (Channel 9)
 - Unit 2 ECCS Equipment Area (Channel 22)
 - Unit 1 Containment High Radiation Monitor
 - Unit 1 CIAS (Channel 5)
 - U2 Containment Atmosphere Particulate Iodine Noble Gas Monitor
- Provide most current DAW 10 CFR Part 61 analytical results
- Provide Records/Documentation for:
 - data for certification of air quality for equipment used to fill SCBA bottles
 - current WBC equipment calibration
- CAP documents including
 - listing of CR documents issued/documented since October 1, 2006 for:
 - portable instrumentation, SAM, PCM, PM, and WBC monitoring equipment

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- respiratory protection equipment and program implementation
- o audit and self assessments conducted/issued since October 1, 2006 for:
 - portable instruments, SAM, PCE, PM, and WBC monitoring equipment
 - respiratory protection equipment and program implementation

During on-site inspection:

- Records - will need rapid access to the following:
 - o calibration records for portable instruments staged for/in use
 - o calibration records for PCM, PM, SAM equipment
 - o training records for individuals approved to use and/or to perform maintenance on SCBA equipment
 - o qualification records for respirator use (training, fit test, medical)

RADIOLOGICAL EFFLUENT MONITORING [71122.01]

Prior to the Onsite Inspection

- Provide Copy of Current ODCM
- Annual Effluent Monitoring Reports for Calendar Year (CY) 2006, & CY 2007
- Provide Procedures/Guidance for:
 - o procedures and data (including flow meter cals) for the two most recent calibrations of the following effluent monitors:
 - U2 Plant Vent SPING
 - Liquid Radioactive Waste Discharge Monitor (common to both units)
 - U1 Component Cooling Water Monitor
 - U2 S/G Blowdown Monitor 'A' train
 - Flow Calibration Instrumentation Calibration for U1& U2 Plant Vent, U1 Liquid Waste Discharge
 - o HP/Chem/OP procedures for liquid and gaseous effluent releases/permits
- Provide Procedures/Guidance/Documentation for:
 - o onsite/offsite surface/groundwater monitoring activities
 - o action plan developed for groundwater protection initiative
 - o documenting events associated with spills, leaks, or unexpected liquid discharge or other unusual occurrence
- Provide Records for:
 - o modifications/design changes made since October 1, 2006 to any effluent monitoring/sampling systems; or to plant ventilation systems
 - o the two most recent calibrations of the effluent monitors listed above, including flow meter calibrations
 - o list of time periods for which main liquid/gaseous effluent monitors were out-of-service (OOS) and the duration since October 1, 2006. Note: exclude monitors OOS less than 24 hours
 - o interlaboratory comparison program results since October 1, 2006
 - o most recent continuous gas and/or liquid release permits and most recent batch liquid and gas permits (4 permits total)
 - o two most recent surveillances of the air cleanup system for the routine main plant airborne effluent release pathway including flow rate determination, HEPA and Charcoal

Enclosure

efficiency data

- Provide summary of spill, leak, unexpected liquid discharge data documented in the site's 10 CFR 50.75(g) files. *Note: Only provide summary, 50.75(g) file details can be reviewed during onsite inspection*
- CAP documents including
 - listing of CRs issued since October 1, 2006 for:
 - effluent monitoring/processing and equipment
 - air cleanup systems
 - onsite System Structure and Component liquid leaks or H-3 in ground and/or surface runoff water samples
 - audits and self assessments conducted/issued since October 1, 2006 for:
 - effluent monitoring activities and equipment
 - air cleanup systems
 - groundwater monitoring/contamination

During on-site inspection:

- Records - will need rapid access to the following:
 - calibration of count room gamma spectroscopy and liquid scintillation counting instrumentation used for effluents: *Note: data sample to be selected during onsite inspection*
 - count room instrument/effluent monitoring QA activities: *Note: data sample to be selected during onsite inspection*

RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM (REMP) [71122.03]

Prior to the Onsite Inspection

- Provide Procedures/Guidance for:
 - collection and analysis of environmental samples
 - calibration and maintenance of REMP air & water samplers
 - calibration of meteorological monitoring instrument loops (wind speed & direction, air temperature sensors currently in use)
 - meteorological instrumentation surveillance requirements (control room & tower locations)
 - RCA control/release point radiation survey instrumentation surveillance requirements
 - unrestricted release of materials from the RCA control points
- Records for two most recent:
 - calibrations of REMP air and water samplers (if applicable)
 - meteorological monitoring instrument calibrations (wind speed & direction, air temperature)
 - detailed inter-laboratory comparison program results since October 1, 2006
- CAP documents including:
 - list of CRs issued/documented since October 1, 2006 for:
 - environmental monitoring
 - meteorological monitoring
 - unrestricted release of material from RCA locations
 - abnormal/missed REMP samples since October 1, 2006 through June 30, 2008
 - audit and self assessments conducted/issued since October 1, 2006 for:

Enclosure

- environmental monitoring
- meteorological monitoring
- unrestricted release of material from RCA locations
 - o Records of any investigations done for material found offsite since October 1, 2006
- Annual Radiological Environmental Monitoring Reports for CYs 2006 and 2007

PI VERIFICATION [71151]

- Procedure/Guidance for collection and reporting of PI data.
- Records:
 - CRs related to occupational and public radiation safety PI occurrences issued since October 1, 2007
 - Monthly PI reports since October 1, 2007
 - DAD Alarm Logs Since October 1, 2007
 - List of Out of Service (OOS) Effluent Monitors and Length of Inoperability since October 1, 2007.

GENERAL INFORMATION NEEDED

- Organization Charts and Contact Phone Numbers for:
 - Radiation Protection
 - Chemistry
 - Operations
 - Maintenance and I&C
- Procedure for issuing CRs and assessing issues for risk significance.
- Updated Final Safety Analysis Report Chapters 11 (Effluents/Radwaste) and 12 Radiation Protection