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

December 13, 2007

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: TURKEY POINT NUCLEAR POWER PLANT - NOTIFICATION OF INSPECTION AND REQUEST FOR INFORMATION

Dear Mr. Stall:

During the period of January 28 - February 1, 2008, the NRC will conduct baseline radiation safety inspection activities at the Turkey Point Nuclear Plant. The inspection will focus on the Public Radiation Safety Inspection cornerstone using NRC Inspection Procedures (IPs) 71122.01 and 71122.03. The inspectors also will review activities associated with Radiation Protection Instrumentation and Protective Equipment as outlined in IP 71121.03.

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 three day pre-inspection visit with your staff for the January 07-09, 2008 period. The requested material will be reviewed and collected at that time.

We have discussed the schedule for these inspection activities with your staff and understand that our regulatory contact for this inspection will be Ms. Stavroula Mihalakea 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: Adam Nielsen for/

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

Dockets Nos. 50-250, 251,
License Nos. DPR-31 and DPR-41

Enclosure: Public Radiation Protection Inspection Document Request

cc w/encl: See Page 3

cc w/encl:
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cc w/encl: See Page 3

Distribution w/encl:
B. Moroney, NRR
B. Mozafari, NRR
RIDSNRRDIRS
PUBLIC

NRC Resident Inspector
U.S. Nuclear Regulatory Commission
9760 SW 344th St.
Florida City, FL 33035

X☐ PUBLICLY AVAILABLE ☐ NON-PUBLICLY AVAILABLE ☐ SENSITIVE X ☐ NON-SENSITIVE
ADAMS: X ☐ Yes ACCESSION NUMBER:_____

OFFICE	RII:DRS	RII:DRP	RII:DRS				
SIGNATURE	RA	RA	RA				
NAME	KUZO	VIAS	BONSER				
DATE	12/13/2007	12/13/2007	12/13/2007				
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY DOCUMENT NAME: C:\FileNet\ML073511072.wpd

PUBLIC RADIATION PROTECTION INSPECTION
DOCUMENT REQUEST

SITE: Plant Turkey Point Nuclear (PTN) Station (PSL) Rpt. 05000250,251/2008002

PRE-INSPECTION VISIT: January 07-09, 2008

INSPECTION DATES: January 28 - February 01, 2008,

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

INSPECTION PROCEDURES [*Responsible Inspector Primary/Backup*]:

- 71121.03, Radiation Monitoring Instrumentation and Protective Equipment (OS) [*Nielsen/Gepford*]
- 71122.01, Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems, Public Radiation Safety (PS) [*Gepford*/Kuzo]
- 71122.03, Radiological Environmental Monitoring Program (REMP) and Radioactive Material Control Program, (PS) [Kuzo/Nielsen]

Date Licensee Contacted: December 11, 2007

IDENTIFIED LICENSEE CONTACTS: Radiation Protection: Dave Sluska (RPM) (305 246-7220/Manny Jimanez (-6202); Portable Instruments: William Hinson, (-6012); Effluents/ Chemistry: Paul Skinner (-6134); Meteorology Robert Bertelson, (-6166) Licensing/Compliance: Stavroula Mihalakea (-6454); REMP: Pete Bailey, Corporate HP (561 694-4179).

MISCELLANEOUS/GENERAL INFORMATION

- Organization chart for HP/Chemistry/Radwaste with contact numbers. Primary Contacts w/in Maintenance and Instrument and Control
- Corrective Action Program (CAP) Procedural Guidance
- Performance Indicator (PI) Program Procedural Guidance.
- Information provided on CD should be in ***word, wp, or pdf*** format. Establishment of Web Site is Acceptable. Ensure all Supplied Documents/Data are Screened for Safeguards Information

Enclosure

RADIATION PROTECTION INSTRUMENTATION AND PROTECTIVE EQUIPMENT [7112103]

Prior to the Onsite Inspection

- 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 to be taken when portable instrument found to be significantly out of tolerance/ calibration
  - issuance and use of respiratory protective equipment (emphasis on 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:
  (I) U4 Spent Fuel Building South Wall (R-4-1422)
  (ii) U3 Containment Refueling Floor Monitor, 58' Elevation (RD–3-1403)
  (iii) U4 Incore Instrument Equipment Monitor (RD-4-1406)
  (iv) U4 RCS Letdown Monitor, (R-4-20)
  (v.) U3 Containment High Radiation Monitor (RaD-3-6311A)
- Two most recent calibration records for selected PM, PCM, and SAM equipment *(Note specific equipment can be designated during 01/07-09/2008 Pre-Inspection Visit).*
- Provide most current DAW 10 CFR Part 61 analytical results
- Provide Records/Documentation for:
  - most recent certification of air quality for equipment used to fill SCBA bottles, if applicable
  - current WBC equipment calibration
- CAP documents including
  - listing of CR documents issued/documented since January 2006 for:
    - portable instrumentation, SAM, PCM, PM, and WBC monitoring equipment
    - respiratory protection equipment and program implementation
  - audit and self assessments conducted/issued since January 1, 2006 for:
    - portable instruments, SAM, PCE, PM, and WBC monitoring equipment
    - respiratory protection equipment and program implementation

During on-site inspection:

- Records - inspectors will need rapid access to the following:
  - portable instrument calibration records *(Note specific equipment to be identified during onsite inspection)*
  - training records for individuals approved to use and/or to perform maintenance on SCBA equipment
- Direct Inspection Activities/Evaluations to include:
  - (accompanied by knowledgeable Health Physics Technician (HPT)), tests to evaluate PCM, PM and SAM instrumentation sensitivities
  - direct observations of HPT portable instrumentation use and calibrations
  - walk-downs of selected ARM, CAM, and PASS equipment (as applicable)

RADIOLOGICAL EFFLUENT MONITORING [7112201]

Prior to the Onsite Inspection

- Provide Copy of Current ODCM
- Annual Effluent Monitoring Reports for Calendar Year (CY) 2005 & CY 2006
- Provide Procedures/Guidance for:
  - calibration procedures and records (including flow meter cals) for the two most recent calibrations of the following effluent monitors:
    (I) Main Plant Vent Monitor (R-14)
    (ii) U4 Air Ejector Monitor (R4-15)
    (iii) U4 S/G Liquid (R4-19)
    (iv) Unit 3 Spent Fuel Pool Vent, (Rad-3-6148) Include Gaseous, Iodine, & Particulate
    (v.) Waste Disposal Liquid Effluent (R-18)
  - calibration of count room gamma spectroscopy and liquid scintillation counting instrumentation used for effluent s
  - count room instrument/effluent monitoring QA activities
  - HP/Chem/OP procedures for liquid and gaseous effluent releases/permits
- Provide Procedures/Guidance/Documentation for :
  - onsite/offsite surface/groundwater monitoring activities
  - action plan developed for groundwater protection initiative
  - documenting events associated with spills, leaks, or unexpected liquid discharge or other unusual occurrences since January 2006
- Provide Records for:
  - modifications/design changes made since January 2006 to any effluent monitoring/sampling systems; or to plant ventilation systems
  - the two most recent calibrations of the effluent monitors listed above, including flow meter calibrations -
  - list of time periods for which effluent monitors were out-of-service (OOS) and their duration since January 2006
  - interlaboratory comparison program results since January 2006
  - most recent continuous liquid and gas release permits and most recent batch liquid and gas permits (4 permits total)

- 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 efficiency *(to be discussed during pre-inspection visit)*

■ Provide summary of spill, leak, unexpected liquid discharge data documented subsequent to January 2006 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*

■ Corrective Action Program (CAP) documents including
- listing of CRs issued since January 2006 for:
  - ○ effluent monitoring/processing and equipment
  - ○ air cleanup systems
- audits and self assessments conducted/issued since January 2006 for:
  - ○ effluent monitoring activities and equipment
  - ○ air cleanup systems

During the On-site inspection

■ Review/discuss most recent ODCM changes

■ Review selected counting room instrumentation QA data including recent calibration records\ for chemistry laboratory gamma spec and LSC instrumentation *(selected records to be identified and reviewed during onsite inspection)*

■ Review/discuss records/technical evaluations for any abnormal, unplanned, or unmonitored \ effluent releases

■ Review/Discuss selected effluent releases made when effluent monitors were out-of-service (OOS) Since January 2006 *(2-3 specific periods to be selected)*

■ Observe/Evaluate any gaseous and/or liquid effluent release made: Observations can include chemistry, operations and control room personnel/activities

■ Review and discuss groundwater monitoring activities and results since January 2006 & tour onsite monitoring wells

RADIOLOGICAL ENVIRONMENTAL MONITORING (REMP) [7112203]

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 loop (wind speed & direction, air temperature sensors currently in use)
- monthly/quarterly meteorological instrumentation surveillance requirements (control room and local tower activities)
- weekly/monthly/quarterly RCA control/release point radiation survey instrumentation surveillance requirements
- unrestricted release of materials from the RCA control points

■ Records for most recent since January 2006:
- calibrations of REMP air and water samplers (if applicable)

- meteorological monitoring instrument calibrations (wind speed & direction, air temperature)
- detailed inter-laboratory comparison program results

■ Supporting data used to calculate LLD values for groundwater tritium, airborne particulate iodine-131 and gross beta & for Cs-137 in broadleaf vegetation specified in CY2006 REMP report. (e.g., provide efficiencies, background, count times from vendor lab etc).

■ CAP documents including:
- list of CRs issued/documented since January 2006 for:
  - ○ environmental monitoring
  - ○ meteorological monitoring
  - ○ unrestricted release of material from RCA locations
  - ○ abnormal/missed REMP samples since CYs 2006 and 2007
- audit and self assessments conducted/issued since January 2004 for:
  - environmental monitoring
  - meteorological monitoring
  - unrestricted release of material from RCAs
- ○ Records of any investigations done for material found offsite since January 2006

■ Annual Radiological Environmental Monitoring Reports for CY 2005 and CY 2006

<u>During on-site inspection:</u> -

■ Observations/Evaluations of responsible staff :
- during collection of selected environmental or meteorological surveillances
- during conduct of routine control room meteorological surveillances

■ Walk-down/Tour/Observe/Evaluate Material Condition/Operational Status of Site Equipment for:
- REMP program field sampling equipment
- Meteorological tower: control room; and primary and backup towers
- RCA control point/release Instrumentation