



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

September 17, 2009

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

SUBJECT: TURKEY POINT UNITS 3 AND 4 – NOTIFICATION OF INSPECTION AND
REQUEST FOR INFORMATION

Dear Mr. Nazar:

During the periods of October 26 – 30, 2009, and November 16 – 20, 2009, the NRC will conduct baseline radiation safety inspection activities at your Turkey Point Nuclear Plant site. The inspection will evaluate activities in the Occupational Radiation Safety Inspection cornerstone using NRC Inspection Procedures (IPs) 71121.01, and 71121.02, and will focus on radiation protection activities associated with the upcoming refueling outage. The inspection also will focus on solid radioactive waste processing and transportation activities which are part of the Public Radiation Safety Inspection Cornerstone using IP 71122.02. Further, the site's implementation of the Industry Ground Water Protection Voluntary Initiative will be reviewed using Temporary Instruction (TI) 2515/173. Finally, the inspection will review Performance Indicator data for both Occupational and Public Radiation Safety cornerstones using the applicable sections of IP 711551.

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 October 16, 2009, 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 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/

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

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

Enclosure: Occupational Radiation Protection Inspection Document Request

cc w/encl: (See page 3)

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 Division of Reactor Safety

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Enclosure: Occupational Radiation Protection Inspection Document Request

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:DRS					
SIGNATURE	GBK /RA/	AND /RA/					
NAME	GKuzo	ANielsen					
DATE	09/17/2009	09/17/2009					
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

cc w/encl:

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Letter to Mano Nazar from Brian Bonser dated September 17, 2009

SUBJECT: TURKEY POINT UNITS 3 AND 4 – 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: Turkey Point Nuclear Plant Units 3 & 4 Report 05000250, 251/2009005

PRE-INSPECTION VISIT: Not Applicable

INSPECTION DATES: October 26 – 30, 2009, and November 16 – 20, 2009

NRC INSPECTORS: George B. Kuzo, George.Kuzo@NRC.GOV
Adam Nielsen, Adam.Nielsen@NRC.GOV

ACCOMPANYING PERSONNEL Not Applicable

LICENSEE CONTACTS:

Inspection Procedures:	IP 71121.01	Access Control To Radiologically Significant Areas
	IP 71121.02	ALARA
	IP 71122.02	Radioactive Material Processing and Transportation
	TI 2515/173	Review of the Implementation of the Industry Ground Water Protection Voluntary Initiative (Revision 1)
	IP 71151	Performance Indicator Verification for Occupational and Public Radiation Safety Cornerstones

DATE LICENSEE CONTACTED: September 17, 2009

IDENTIFIED LICENSEE CONTACTS:

Radiation Protection: C. Cashwell (RPM), (305) 246-1631
Radiation Protection: M. Jimanez, (305) 246-6202
ALARA: B. Carberry, (305) 246-6485
Effluents/Chemistry: N. Bach, (305) 264-6851
Effluents/Chemistry: P. Skinner, (305) 246-6134
Licensing/Compliance: S. Mihalakea, (305) 246-6454

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 three 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.

Enclosure

ACCESS CONTROLS TO RADIOLOGICALLY SIGNIFICANT AREAS [7112101]

Prior to the Onsite Inspection

- Provide List/Maps of:
 - Current High Radiation Area, (HRA), Locked HRA (LHRA), Very HRA (VHRA), and airborne radioactivity locations – **Note:** only provide general area maps showing rooms w/HRA, LHRA, VHRA, and/or airborne radioactivity area conditions. *Detailed maps of specific rooms/areas 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 (SFP), direct alarming dosimetry (DAD) use, Radiation Work Permit (RWP) development
- Provide Corrective Action Program (CAP) documents including:
 - listing of Condition Report (CR) documents issued/documented since October 1, 2008, for radiation protection (RP) program activities including access control/personnel contamination event (PCE) and/or intake evaluations [Provide only a list – detailed review and evaluation of specific events to be conducted while on site
 - Audit and self assessments conducted/issued since April 1, 2008, for RP program activities
- Provide list of scheduled work in HRA, LHRA, VHRA, airborne radioactivity area locations tentatively scheduled for the weeks of the onsite inspection (10/26 – 30/09; & 11/16 - 20/09)
- Identify list of infrequently performed outage tasks or tasks potentially involving LHRA/VHRA conditions
- Provide the Following Records/Evaluations
 - List 10 maximum personnel exposures (TEDE) for Calendar Year (CY) 2008 and Year-to-Date (YTD) 2009
 - List of internal dose assessments (with assigned dose) for intakes since April 1, 2008
 - List of Personnel Contamination Assessments since April 1, 2008 - general list, not details

ALARA [7112102]

Prior to the Onsite Inspection

- Provide Copy of all procedures related to:
 - HP/ALARA not listed above (e.g. declared pregnant worker, shielding, etc.)
 - HP/CHEM/OPs procedures related to crudburst & cleanup
 - ALARA manual (or equivalent high-level procedure)
 - crudburst & cleanup trending point data from previous outage (e.g. dose rates and cobalt concentration)
 - flood-up and drain-down
 - List of CAP documents related to ALARA or crudburst activities since July 1, 2007
 - **Note:** Not Necessary to duplicate CAP documents that overlap those provided with access controls
 - Any self-assessments or audits of ALARA program since July 1, 2007

Enclosure

- Provide planning details and exposure estimates regarding:
 - Highest five person-rem exposure tasks (projected) for upcoming refueling outage and associated ALARA planning packages, if available

RADIOACTIVE MATERIAL PROCESSING AND TRANSPORTATION [7112202]

Prior to the Onsite Inspection

- Provide Copy of Current Process Control Program (PCP)
- Radioactive waste (Radwaste) Information Input Into the Annual Effluent Monitoring Reports for CYs 07 & 08
- Procedures/Guidance/Data Related to:
 - transportation of radioactive material/radwaste
 - radwaste processing analysis, resin sluicing, and HIC dewatering
 - Part 61 Sampling and Analysis
 - Development/Evaluation of Scaling Factors and Application to Hard to Detect Radionuclides
 - Procedures for evaluation of Reactor Coolant System (RCS)/radioactive waste chemistry to verify stability of waste stream radionuclide composition
- Provide the following:
 - list of shipments made since July 1, 2007. Highlight 5 “hottest” shipments and any Type A Shipments made since July 1, 2007, using Type A containers
 - list of changes made to solid radwaste processing systems since July 1, 2007
 - list all permanently abandoned radwaste processing equipment or systems
 - the two most recent 10 CFR Part 61 analyses for each waste stream. **Note:** only need to provide appropriate onsite contact or location were Part 61 waste stream analysis data are maintained
 - any data on indication of failed-fuel since July 1, 2007
 - list of CAP documents related to shipping or radwaste since July 1, 2007. **Note:** only provide titles/ summaries
 - any self-assessments/audits of shipping/radwaste processing program since July 1, 2007
- Transport Cask CoC's and associated documents for frequently used transport casks
 - **Note:** Copies not required prior to onsite inspection but listing of responsible staff/on-site document location and availability requested
 - Licensee procedures for cask loading and/or closure

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

Prior to the Second Week Onsite [NOTE THESE DATA ONLY NEED TO BE PROVIDED PRIOR TO November 6, 2009, and not with the initial data submittal]

- 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 August 1, 2008
- ODCM
- Current maps showing locations of all groundwater monitoring wells
- Most current site hydrology/geology report
- Any revisions to FSAR 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) decommissioning files

Performance Indicator (PI) VERIFICATION [71151]

- Procedure/Guidance for collection and reporting of PI data.
- Records:
 - CAP CRs related to occupational and public radiation safety PI occurrences issued since April 1, 2008
 - PI reports since April 1, 2008
 - Electronic Dosimetry Alarm Logs Since April 1, 2008
 - List of Out of Service (OOS) Effluent Monitors and Length of Inoperability since April 1, 2008 - **Note:** only Include monitors declared OOS for periods exceeding 24 hours

GENERAL INFORMATION NEEDED

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