



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

September 16, 2015

Mr. Thomas Summers
Site Vice President
Turkey Point Nuclear Generating Station
Florida Power & Light Company
9760 SW 344th Street
Florida City, FL 33035

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

Dear Mr. Summers:

During the weeks of November 2–6, 2015, and November 16–20, 2015, the U.S. Nuclear Regulatory Commission (NRC) will perform a baseline Radiation Safety Inspection at the Turkey Point Nuclear Plant, Units 3 and 4, (NRC Inspection Procedures 71124.01, 71124.02, 71124.03, 71124.04, 71124.05, and 71151). In order to minimize the impact to your onsite resources and to ensure a productive inspection, we have enclosed a request for documents needed for this activity. The NRC requests that these documents be provided to the inspectors no later than October 19, 2015.

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 Mihalake of your organization. If there are any questions about this inspection or the material requested, please contact the lead inspector, William Pursley at 404-997-4517, or the Chief of Plant Support Branch 1, Brian Bonser at 404-997-4653.

In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) 2.390, "Public inspections, exemptions, requests for withholding," of the NRC's "Agency Rules of Practice and Procedure," 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 component of NRC's Agencywide Documents Access and Management System (ADAMS); accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

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 numbers 3150-0008, 3150-0011, 3150-0014, 3150-0044, and 3150-0135. 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 R. Bonser, Chief
Plant Support Branch 1
Division of Reactor Safety

Docket Nos. 50-250 and 50-251
License Nos. DPR-31 and DPR-41

Enclosure:
Document Request List

cc: Distribution via Listserv

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Enclosure:
Document Request List

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ADAMS: Yes ACCESSION NUMBER: ML15259A193 SUNSI REVIEW COMPLETE FORM 665 ATTACHED

OFFICE	RII:DRS/PSB1	RII:DRS/PSB1					
SIGNATURE	WSP1	BRB1					
NAME	W. Pursley	B. Bonser					
DATE	9/ 15 /2015	9/ 16 /2015					
E-MAIL COPY	YES NO	YES NO					

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Document Request List

Inspection Dates: November 2–6, 2015
November 16–20, 2015

Documents Due to Region II by: October 19, 2015

Inspection Procedures (IPs):

IP 71124.01	Radiological Hazard Assessment and Exposure Controls
IP 71124.02	Occupational As Low As Reasonably Achievable Planning and Controls
IP 71124.03	In-plant Airborne Radioactivity Control and Mitigation
IP 71124.04	Occupational Dose Assessment
IP 71124.05	Radiation Monitoring Instrumentation
IP 71151	Performance Indicator Verification

Lead Inspector: William Pursley
Health Physicist
U.S. NRC Region II
404-997-4517
William.Pursley@nrc.gov

Note: The current version of these documents is expected unless specified otherwise. Electronic media is preferred if readily available. *[Note that the inspectors cannot accept data provided on USB or “flash” drives due to NRC IT security policies.]* Please organize the information as it is arranged below to the extent possible. Experience has shown that a poorly organized CD leads to a less efficient inspection, and places additional burden on licensee staff. Pay particular attention to the date ranges for the items requested as they may change from item to item. If there are questions regarding the documents requested, or if the documents cannot be provided by the due date, please do not hesitate to contact the lead inspector.

Miscellaneous

1. List of primary contacts for each inspection area w/phone numbers
2. Corrective action program (CAP) procedure(s)

71124.01 - Radiological Hazard Assessment and Exposure Controls

1. List of outage radiation work permits (RWPs).
2. Timeline of major outage activities (e.g., Gantt chart or similar list).
3. Procedures related to health physics (HP) controls (e.g., Posting, labeling, surveys, RWPs, contamination control, high radiation area (HRA)/locked high radiation area (LHRA)/very high radiation area (VHRA) control, key control, control of divers, special controls during fuel offload, hot spots).
4. Independent spent fuel storage installation (ISFSI) information to include surveys, exposure data, as low as reasonably achievable (ALARA) planning and reviews conducted for the last two moves. Also, the last two routine surveys of the facility and any Thermoluminescent Dosimeter (TLD) area monitoring results of the facility.
5. Procedures related to release of personnel and materials (e.g., release surveys, decontamination, and guidance for alarm followup).
6. List of Nationally Tracked Sources and any change-of-ownership transactions.
7. Most recent sealed source inventory record.

Enclosure

8. List of all non-fuel items stored in spent fuel pool (SFP).
9. Most recent self-assessment or audit covering HP controls.
10. List of nonconformance reports (NCRs) related to HP controls (e.g., radworker error, HP technician error, posting issues, HRA/LHRA/VHRA issues, survey problems) issued since October 1, 2014. *[This should be a list of corrective action documents containing an action request (AR) number and brief description, not full NCRs.]*

71124.02 - Occupational As Low As Reasonably Achievable Planning and Controls

1. All procedures related to ALARA (e.g., temporary shielding, ALARA planning, source term reduction).
2. List of top five dose jobs for the upcoming refueling outage and ALARA planning packages (including dose estimates, work-hour estimates, special HP controls, and dose reduction initiatives), if available.
3. ALARA trending point data for last two outages.
4. Source term reduction strategic plan, if available.
5. Minutes from the last four Plant ALARA Committee Meetings.
6. Most recent self-assessment or audit of ALARA program.
7. List of NCRs related to ALARA since March 1, 2013. *[This should be a list of corrective action documents containing an AR number and brief description, not full NCRs.]*

71124.03 - In-Plant Airborne Radioactivity Control and Mitigation

1. Procedures related to airborne monitoring and control (e.g., use of purge systems, use of portable HEPA/charcoal units, temporary ventilation enclosures, use of continuous air monitors (CAMs), air sampling guidance, Alpha air sampling), as applicable.
2. Procedures related to the use of respiratory protection devices (e.g., self-contained breathing apparatus (SCBA), total effective dose equivalent (TEDE)-ALARA guidance, powered air purifying respirators (PAPRs), storage, maintenance, training, quality assurance (QA), fit-testing).
3. The last two grade D air testing certificates for each supplied air system and SCBA filling station.
4. SCBA qualification records
 - (a) Vendor training certificates for all onsite individuals qualified to repair SCBA
 - (b) List of all licensed operators qualified to use SCBA
 - (c) List of all instrumentation and control (I&C) personnel qualified to use SCBA
 - (d) List of all HP personnel qualified to use SCBA
5. Documentation for last two surveillances performed on SCBA stored for emergency use.
6. Most recent audit or self-assessment covering airborne controls and respiratory protection.
7. List of NCRs related to airborne monitoring and respiratory protection since March 1, 2013. *[This should be a list of corrective action documents containing an AR number and brief description, not full NCRs.]*

71124.04 – Occupational Dose Assessment

1. Procedures related to occupational dose assessment (e.g., external dose monitoring, dosimetry issuance and use, unusual dosimetry occurrences, multi-badging/extremity dosimetry/badge relocation, Effective Dose Equivalent, personnel contamination events (PCEs), storage/care of personal dosimeters, use of electronic dosimeters, *in-vivo* and *in-vitro* internal dose assessment, skin dose assessment, quality control (QC) for whole body counter (WBC), use of passive monitoring if applicable, declared pregnant workers).

2. National Voluntary Laboratory Accreditation Program (NVLAP) accreditation documentation for current dosimetry used by site.
3. List of all positive WBCs, *in-vitro*, or air sampling analyses which resulted in an assigned committed effective dose equivalent (CEDE) equal to or exceeding 10 millirem since March 1, 2013. [*Note: Only a listing should be provided for use by the inspectors to select a sample of issues for review during the onsite inspection.*]
4. List of all Level III PCEs identified since March 1, 2013. [*Note: Only a listing should be provided for use by the inspectors to select a sample of issues for review during the onsite inspection.*]
5. Most recent audit or self-assessment of the dosimetry program, and/or the most recent audit of the lab that processes site dosimetry.
6. List of NCRs generated since March 1, 2013, for internal or external dosimetry issues/events. [*This should be a list of corrective action documents containing an AR number and brief description, not full NCRs.*]

71124.05 - Radiation Monitoring Instrumentation

1. Procedures/Guidance Documents for:
 - (a) calibration and functional test/source checks of portable radiation detection instruments
 - (b) calibration and functional tests of small article monitor (SAM), personnel contamination monitor (PCM), portal monitor (PM), WBC counting equipment, and CAMs
 - (c) collection and analysis of high-range, post-accident effluent samples
 - (d) QA program for count room instruments
2. The last two calibration records for each of the following instruments:
 - (a) U-4, S/G Blowdown
 - (b) U-4 Condenser Air Ejector Vent Gas
 - (c) U-3 Containment Refuel Floor Monitor
 - (d) U-3 Containment High Range Monitors
 - (e) Plant Vent Particulate, Iodine and Gas Monitors
 - (f) WBC in Dosimetry area
 - (g) All SAMs at radiological controlled area (RCA) exit point
 - (h) All PMs at the exit to protected area (PA)
 - (i) All Whole Body Contamination Monitors at RCA exit point
 - (j) High-purity Germanium Detector No. 2
3. Documentation for the radioactive sources used to calibrate the instruments in item 2 above. For the Plant Vent, Waste Disposal Liquid Effluent and the Containment Hi-Range Monitors, also include paperwork showing traceability to a national standard National Institute of Standards and Technology (NIST) and/or traceability to the primary calibration, as applicable.
4. Design documents and/or calculations showing how the alarm setpoints for the following instruments are determined:
 - (a) Plant Vent
 - (b) PMs at exit to PA
5. Chart or procedure listing emergency action levels (EALs) associated with radiation monitors, if applicable.
6. The latest test record of the instrument calibrator (Shepherd validation testing/dose rate curves).
7. Latest system health report for the Radiation Monitoring system.

8. Most recent audit or self-assessment covering HP instruments (portables, RCA exit point, WBC, count room). Include any reviews conducted of vendor facilities, as applicable.
9. LIST of NCRs generated since March 1, 2013 related to portable instruments, effluent and area monitors, CAMs, RCA release point monitors, WBCs, and count room instruments. *[This should be a list of corrective action documents containing an AR number and brief description, not full NCRs.]*

71151 – Performance Indicator Verification (Occupational and Public Cornerstones)

1. Procedure for gathering and reporting performance indicator (PI) data.
2. List of all NCRs related to effluent dose/offsite dose calculation manual (ODCM) issues since October 1, 2014. *[This should be a list of corrective action documents containing an AR number and brief description, not full NCRs.]*
3. LIST of all NCRs related to LHRA/VHRA issues or significant (>100 mrem) unintended doses since October 1, 2014. *[This should be a list of corrective action documents containing an AR number and brief description, not full CRs.]*
4. Most recent gaseous and liquid effluent release permits showing year-to-date doses to the public.
5. 2014 Annual Radioactive Effluent Report OR an end-of-year public dose report if the official Effluent Report is not ready yet.
6. LIST of electronic dosimeter alarms (dose and dose rate) since October 1, 2014.

LIST OF ACROYNMS

ALARA	As Low As Reasonably Achievable
AR	Action Request
CAMs	Continuous Air Monitors
CAP	Corrective Action Program
CEDE	Committed Effective Dose Equivalent
EALs	Emergency Action Levels
HP	Health Physics
HRAs	High Radiation Areas
I&C	Instrumentation and Control
LHRA	Locked High Radiation Area
NCRs	Nonconformance Reports
NIST	National Institute of Standards and Technology
NVLAP	National Voluntary Laboratory Accreditation Program
ODCM	Offsite Dose Calculation Manual
PA	Protected Area
PAPRs	Powered Air Purifying Respirators
PCEs	Personnel Containment Events
PCM	Personnel Contamination Monitor
PIs	Performance Indicators
PM	Portal Monitor
QA	Quality Assurance
QC	Quality Control
RCA	Radiological Controlled Area
RWPs	Radiation Work Permits

SAM	Small Article Monitor
SFP	Spent Fuel Pool
TEDE	Total Effective Dose Equivalent
TLDs	Thermoluminescent Dosimeters
VHRA	Very High Radiation Area
WBC	Whole Body Counter