



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

December 1, 2015

Mr. Christopher Costanzo  
Site Vice President  
St. Lucie Nuclear Plant  
Florida Power and Light Company  
6501 S. Ocean drive  
Jensen Beach, FL 34957

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

Dear Mr. Costanzo:

During the week of January 25–29, 2016, the U.S. Nuclear Regulatory Commission (NRC) will perform a baseline Radiation Safety Inspection at the St. Lucie Nuclear Plant (NRC Inspection Procedures 71151, 71124.06, 71124.07, 71124.08, and Temporary Instruction 2800/041). 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 January 15, 2016.

We have discussed the schedule for these inspection activities with your staff, and understand that our regulatory contact for this inspection will be Don Cecchet 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 Plant Support Branch 1 Chief, Brian Bonser at 404-997-4653.

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 3150-0044, 3150-0014, 3150-0011, and 3150-0008. 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.

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 (PARs) 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>.

Sincerely,

***/RA by Wade Loo Acting for/***

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

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

Enclosure:  
Document Request List

cc: Distribution via Listserv

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ADAMS:  Yes    ACCESSION NUMBER: ML15336A629     SUNSI REVIEW COMPLETE     FORM 665 ATTACHED

OFFICE	RII:DRS/PSB1	RII:DRS/PSB1	RII:DRS/PSB1				
SIGNATURE	WSP1	WTL	WTL for BRB1				
NAME	W. Pursley	W. Loo	B. Bonser				
DATE	12/ 1 /2015	12/ 1 /2015	12/ 1 /2015				
E-MAIL COPY	<b>YES</b> NO	<b>YES</b> NO	<b>YES</b> NO				

OFFICIAL RECORD COPY

## Document Request List

Inspection Dates: January 25–29, 2016

Documents Due to Region II by: January 15, 2016

Inspection Procedures (IPs):

IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment
IP 71124.07	Radiological Environmental Monitoring Program
IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation
TI 2800/041	10 CFR 37 Materials Security Review – At Facilities with a 10 CFR 73 Physical Protection Program
IP 71151	Performance Indicator Verification

Lead Inspector: William Pursley  
Health Physicist  
US 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 change from item to item. If there are questions regarding the documents requested, 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 procedures.

#### 71124.06 - Radioactive Gaseous and Liquid Effluent Treatment

1. Offsite Dose Calculation Manual (ODCM) and a list of changes made in the last revision.
2. List of permitted effluent release points, including any release points from onsite surface water bodies (as applicable).
3. Procedures for:
  - a. collection, analysis, release, and dose evaluations for gaseous and liquid effluents
  - b. groundwater monitoring program
4. List of changes made to radioactive effluent processing/discharge systems since January 2014.
5. List of any non-radioactive systems that have become contaminated since January 2014.

Enclosure

6. Copies of any reports to the NRC (via 10 CFR 50.72 or other reporting requirements) regarding abnormal onsite spills/leaks of RAM since January 2014.
7. List of 10 CFR 50.75(g) entries made since January 2014.
8. List of liquid and gaseous effluent monitors listed as out-of-service for > 1 day since January 2014, including any special reports submitted to the NRC as a result of effluent monitor operability.
9. Most recent inter-laboratory comparison program results (for onsite count lab).
10. Results of the last two surveillance tests performed on the reactor auxiliary building exhaust HEPA/charcoal filtration system (Reactor Auxiliary Building Normal Ventilation System).
11. The last two gaseous effluent release permits and the last two liquid effluent release permits.
12. Recent results of the groundwater monitoring program (last two quarters).
13. Most recent audit, self-assessment, and/or review of the radioactive effluent monitoring program.
14. List of nonconformance reports (NCRs) generated since January 2014, as a result of gaseous and liquid effluent processing and/or ODCM related activities. Include all NCRs related to voluntary reporting of onsite spills/leaks of RAM. *[This should be a list of corrective action documents containing an Action Request (AR) number and brief description, not full NCRs.]*

#### **71124.07 - Radiological Environmental Monitoring Program**

##### Prior to the Onsite Inspection

1. Provide Procedures/Guidance Documents for:
  - a. collection and analysis of environmental samples
  - b. calibration and maintenance of REMP air and/or water samplers
  - c. calibration of meteorological monitoring instrument loop (wind speed and direction, air temperature sensors currently in use)
  - d. monthly/quarterly meteorological instrumentation surveillance requirements (control room and local tower activities)
2. Records for the last two calibrations of the following:
  - a. REMP air and water sampling equipment (as applicable)
  - b. meteorological monitoring instruments (wind speed and direction, air temperature)
3. Detailed inter-laboratory comparison program results (environmental lab) since January 2014.
4. Copies of all audits, self-assessments, and/or reviews of REMP activities since January 2014. The data should include any reviews conducted of vendor activities and their facilities (e.g., environmental lab).
5. List of systems, structures, or components identified as credible mechanism(s) having the potential for release of licensed material to the groundwater environs.
6. List of significant REMP changes (sample locations, sample frequency, type of samples, etc.) documented within the ODCM since January 2014.
7. List of condition reports (CRs) generated as a result of REMP activities since January 2014. *[Note: Only titles/summary statement should be provided for use by the inspectors to select a sample of issues for in-depth review.]*

**71124.08 - Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation**

1. All procedures related to transportation of RAM/waste, radwaste characterization, solid radwaste processing, and storage of RAM and radwaste.
2. Process Control Program.
3. Liquid and solid radwaste system diagrams and detailed system descriptions (e.g., information that might be contained in curricula for training new system engineers).
4. List of all shipments made since February 2014. (shipping logs)
5. List of all changes made to solid and liquid radwaste processing systems since February 2014.
6. List of all abandoned solid and liquid radwaste processing equipment.
7. Last two 10 CFR Part 61 analyses for each waste stream; including quality assurance data (e.g., in-house vs. vendor lab comparisons, current results vs. database).
8. Most recent self-assessment or audit of Shipping/radwaste processing and RAM storage programs.
9. List of CRs related to shipping, radwaste processing, or RAM storage since February 2014. *[This should be a list of corrective action documents containing a CR number and brief description, not full CRs.]*
10. Training records for all individuals qualified to ship RAM/waste demonstrating the requirements of 49 CFR 172, Subpart H (HAZMAT training), have been met. *[Please redact any Personally Identifiable Information.]*

**Technical Instruction 2800/041 – 10 CFR Part 37 (Health Physics portions only)**

1. All procedures related to 10 CFR Part 37 compliance (storage of RAM, Part 37 Security Plan, etc.).\*
2. List of all known locations of Category 1 and Category 2 material.
3. All supporting calculations for determination of whether an aggregation of RAM meets the definition of Category 1 or Category 2 (e.g., warehouse calculation).

\*Please do not include Safeguards or Official Use Only information in the submittal. That information can be reviewed onsite.

**71151 – Performance Indicator Verification (Occupational and Public Cornerstones)**

1. Procedure for gathering and reporting performance indicator data.
2. LIST of all NCRs related to locked high radiation area/very high radiation area issues, or significant (>100 mrem) unintended doses since March 2015. *[This should be a list of corrective action documents containing an AR number and brief description, not full CRs.]*
3. Most recent gaseous and liquid effluent release permits showing year-to-date doses to the public.
4. LIST of electronic dosimeter alarms (dose and dose rate) since March 2015.

Lead Inspector Contact Information:

William Pursley  
404-997-4517  
[William.Pursley@nrc.gov](mailto:William.Pursley@nrc.gov)

Mailing Address:

U.S. Nuclear Regulatory Commission  
Region II  
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245 Peachtree Center Ave., NE  
Suite 1200  
Atlanta, GA 30303

**LIST OF ACRONYMS**

ARs	Action Requests
CRs	Condition Reports
NCRs	Nonconformance Reports
ODCM	Offsite Dose Calculation Manual
RAM	Radioactive Material
REMP	Radiological Environmental Monitoring Program