

**From:** [Pursley, William](#)  
**To:** [Barry Garber](#); [Lee Ragland](#); [william.terry@dom.com](mailto:william.terry@dom.com)  
**Cc:** [Diaz, Jose](#); [Kellner, Bob](#); [Bonser, Brian](#)  
**Subject:** Surry Public Radiation Safety Baseline Inspection 2019003 Document Request  
**Date:** Friday, August 02, 2019 6:04:00 PM  
**Attachments:** [SUR EB3R 2019003 Doc Req.doc.pdf](#)

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Barry/Lee/Bill

Attached is the information request for the upcoming Surry RP Public Baseline Inspection beginning September 16, 2019. In addition to myself, Jose Diaz is the other inspector. Please let me know that you received this request via phone or email. Also, if you have any questions or need clarification on any of the information requested, do not hesitate to contact me.

We have recently learned that if the information is put into one large "Zip" file on Certrec, we can access and download all the files using Certrec fairly easily. If you have any questions, give me a call.

Regards,

Bill

William Pursley  
USNRC RII Health Physicist  
404 997-4517

Surry Nuclear Plant  
Radiation Safety Baseline Inspection  
Initial Information Request  
Inspection Report: 2019003

During the week of September 16, 2019, the Nuclear Regulatory Commission (NRC) will perform the baseline Radiation Safety Inspection at the Surry Nuclear Plant (NRC inspection procedures 71124.06, 71124.07 and 71151 Public Cornerstone only).

Experience has shown that this inspection is resource intensive for both the NRC inspectors and your staff. To minimize the impact to your onsite resources and to ensure a productive inspection, we are requesting in advance documents needed for this activity. It is important that the documents are up-to-date and complete, thereby minimizing the number of additional documents requested during the preparation and/or the onsite portions of the inspection. The NRC requests that these documents be provided to the inspectors no later than September 9, 2019.

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 Engineering Branch 3 Chief, Brian Bonser at (404) 997-4653.

In accordance with Title 10 of the Code of Federal Regulations 2.390, "Public Inspections, Exemptions, Requests for Withholding," a copy of this document will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records component of NRC's Agencywide Document Access and Management System (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

PAPERWORK REDUCTION ACT STATEMENT

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, control number 3150-0008, 3150-0011, 3150-0014, 3150-0044, and 3150-0135.

PUBLIC PROTECTION NOTIFICATION

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.

## Document Request List

Inspection Dates: September 16-20, 2019

Documents Due to Region II by: September 9, 2019

Inspection Procedures: IP 71124.06 Radioactive Gaseous and Liquid Effluent Treatment  
IP 71124.07 Radiological Environmental Monitoring Program  
IP 71151 Performance Indicator Verification

Lead Inspector: William (Bill) Pursley  
Health Physicist  
US NRC Region II  
(404) 997-4517

**Note:** The current version of these documents is expected unless specified otherwise. Electronic media is preferred if readily available. 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 response 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. Schedule of routine effluent and REMP sampling activities (e.g., stacks sampled on Monday, REMP run Tuesday).
2. Plant, Chemistry, and Radiation Protection organizational charts, including personnel involved in effluent sampling and reporting, Radiological Environmental Monitoring Program (REMP) sampling and reporting.
3. Current version/revision of Offsite Dose Calculation Manual (ODCM) including a list of changes made in the latest revision.
4. Annual Radiological Environmental Operating Reports (AREOR) for calendar years (CY) 2017 and 2018.
5. The most current Land Use Census and with list of changes to the prior Land Use Census.
6. Annual Radiological Effluent Release Reports (ARERR) documents for CY 2017 and 2018.
7. Current 10 CFR Part 61 Analysis Results for dry active waste (DAW) and primary resin.
8. Audits and self-assessments performed since August 31, 2017 that encompass the areas of (1) radiological effluents; and (2) radiological environmental monitoring, to include the meteorological tower.
9. Corrective Action Program procedures

### 71124.06 – Radioactive Gaseous and Liquid Effluent Treatment

Last inspected: September 2017

1. Procedures for gaseous and liquid effluents to include collection, analysis, release, alarm setpoints, dose evaluations, and QC for counting instrumentation
2. List of changes made to radioactive effluent processing/discharge systems since August 31, 2017.
3. List of "out of service" (OOS) effluent monitors and duration Since August 31, 2017

4. Results of the last two surveillances/tests of the Radwaste Facility and the Process Vent Subsystem ventilation systems, including system flow monitoring instrumentation calibrations, HEPA filter testing, and charcoal filter tests.
5. The last two calibration records for the following effluent monitors:
  - a) RF Liquid Waste Disposal Radiation Monitor
  - b) C.W. Discharge Tunnel Radiation Monitor
  - c) U1 Process Vent Normal Range
  - d) U2 Vent Vent Normal Range
  - e) U1 Vent Vent High Range
  - f) U2 Process Vent High Range.
6. Documentation for the radioactive sources used to calibrate the instruments in item 5 above
7. List of all unmonitored spills, leaks, or unexpected liquid/gaseous discharges August 31, 2017
8. The last two Inter-laboratory comparison program results (for onsite count lab)
9. List of CRs generated since August 31, 2017, as a result of gaseous and liquid effluent processing and/or ODCM related activities. *This should be a list of corrective action documents containing a CR number and brief description, not full CRs*

71124.07 – Radiological Environment Monitoring Program (REMP)

Last inspected: September 2017

1. Procedures for radiological environmental monitoring including but not limited to:
  - a) Collection, preparation and analysis of all environmental samples
  - b) Calibration and maintenance of REMP air and/or water samplers
  - c) Calibration of meteorological monitoring instruments
  - d) Periodic meteorological instrumentation surveillance requirements
  - e) Calibration and quality control of sample counting instruments
2. Procedures associated with NEI/industry groundwater protection initiative
3. Last two calibration records for REMP air and water sampling equipment
4. Last two calibration records for meteorological monitoring instrumentation on the primary tower (wind speed & direction, and air temperature)
5. Data recovery report for meteorological monitoring instruments August 1, 2017.
6. Most recent inter-laboratory comparison program results and/or laboratory quality assurance certification if a vendor laboratory is used to analyze REMP samples.
7. List of systems, structures and components identified as credible mechanisms for the potential release of licensed material to the groundwater (e.g. SSC risk ranking matrix)
8. List of any non-radioactive system that has become contaminated August 1, 2017
9. Summary of any leaks and/or spills that have occurred Since August 1, 2017 (a copy of 10.75g file)
10. Copies of any reports to the NRC regarding abnormal onsite spills/leaks or radioactive material since August 1, 2017
11. Groundwater monitoring results since August 1, 2017
12. Environmental TLD results Since August 1, 2017
13. List of onsite surface water bodies (e.g. ponds, retention basins, lakes) that contain or can potentially contain radioactivity
14. Most recent audit/self-assessments of REMP activities including vendor activities
15. List of all CAP documents related to REMP activities or groundwater, including leaks or spills since August 1, 2017.

71151 – Performance Indicator Verification (Public Cornerstone)

Last inspected: October 2018

1. Procedure(s) for gathering and reporting PI data
2. List of all CRs related to effluent dose/ODCM issues since October 1, 2018. This should be a *list of corrective action documents containing a CR number and brief description, not full CRs.*

Onsite Assistance During Inspection

- Plant walk-downs of effluent radiation monitoring systems
- Walk down of the filtered ventilation system whose test results were requested.
- Observation (if available) of routine processing and discharge of radioactive gaseous effluent (including sample collection and analysis).
- Observation of any environmental sample collections during the week of the inspection.
- Walkdown (if needed) of ground water monitoring well locations and/or structures, systems, or components (SSCs) identified in by the site's GWPI.

**Inspector Contact Information:**

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