

Vogtle Electric Generating Plant  
Radiation Safety Baseline Inspection  
Initial Information Request  
Inspection Report: 2019002

During the week of June 17 - 21, 2019, the NRC will perform a baseline Radiation Safety Inspection at Vogtle Electric Generating Plant (NRC Inspection Procedures 71124.06, 71124.07 and 71151).

Experience has shown that this inspection is resource-intensive for both the NRC inspectors and your staff. In order 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 all of these 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 **May 24, 2019**.

If there are any questions about this inspection or the material requested, please contact the lead inspector, Wade Loo at 404-997-4727, or the Engineering Branch 3 Chief, 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," 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 Documents Access and Management System (ADAMS); accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

PAPERWORK REDUCTION ACT STATEMENT

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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

### Occupational and Public Radiation Safety Cornerstone

Licensee: Vogtle Electric Generating Plant  
Docket Numbers: 05000424, 425  
Inspection Dates: June 17 - 21, 2019  
Documents Due to Region II by: **May 24, 2019**

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

Lead Inspector: Wade Loo  
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**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.

Documentation for these inspection procedures, are requested from December 1, 2017 to present, unless otherwise specified. We would prefer as much of the information as possible in electronic form. An index of the CD contents is also helpful. For those items requesting a list of documents/areas, the inspector will select documents/areas from the list for on-site review.

#### Miscellaneous

1. Plant Management, Radiation Protection and Chemistry organizational charts with contact telephone numbers.
2. List of primary contacts for each inspection area w/phone numbers.
3. Corrective Action Program procedures
4. List of radiation protection procedures including title and number.

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

Last inspected: December 2017

1. Copy of Offsite Dose Calculation Manual (ODCM) including a list of changes made in the latest revision

2. Procedures for gaseous and liquid effluents to include collection, analysis, release, alarm setpoints, dose evaluations, and QC for counting instrumentation
3. List of changes made to radioactive effluent processing/discharge systems since December 1, 2017.
4. List of "out of service" (OOS) effluent monitors and duration since December 1, 2017
5. The last two calibration records for the following effluent monitors:
  - a) RE-12444A, B and C (Plant Vent Effluent Monitors)
  - b) ARE-16980 (Radwaste Processing Facility Vent Air Particulate Monitor)
  - c) RE-0018 (Waste Liquid Effluent Monitor)
  - d) RE-0020A and B (Nuclear Service Water Process Monitors)
  - e) RE-0021 (Steam Generator Blowdown System Liquid Process/Effluent Monitor)
6. Documentation for the radioactive sources used to calibrate the instruments in item 5 above
7. The last two surveillances (in-place filter tests and charcoal tests) performed on the Unit 1 Containment Purge Air-exhaust Filtration System
8. The last two gaseous effluent release permits and liquid effluent release permits
9. List of all unmonitored spills, leaks, or unexpected liquid/gaseous discharges since December 1, 2017
10. Material condition surveillance records for effluent treatment system components not readily accessible for any reason (e.g. in-service & spent resin tanks, waste gas hold-up tanks, etc)
11. The last two Inter-laboratory comparison program results (for onsite count lab)
12. Most recent audit, self-assessment, and/or review of the radioactive effluent monitoring program
13. List of CRs generated since December 1, 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 Environmental Monitoring Program

Last inspected: December 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) Land use census
  - f) Calibration and quality control of for sample counting instruments
2. Procedures associated with NEI/industry groundwater protection initiative
3. Collection schedule for REMP samples during the week of inspection and contact information for collection staff.
4. Last two calibration records for REMP air and water sampling equipment
5. Last two calibration records for meteorological monitoring instrumentation on the primary tower (wind speed & direction, and air temperature)
6. Data recovery report for meteorological monitoring instruments since December 1, 2017
7. Most recent inter-laboratory comparison program results
8. 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)
9. List of any non-radioactive system that has become contaminated since December 1, 2017
10. Summary of any leaks and/or spills that have occurred since December 1, 2017 (a copy of 10.75g file)
11. Copies of any reports to the NRC regarding abnormal onsite spills/leaks or radioactive material since December 1, 2017

12. Groundwater monitoring results since December 1, 2017
13. Environmental TLD results since:
14. List of onsite surface water bodies (e.g. ponds, retention basins, lakes) that contain or can potentially contain radioactivity
15. Most recent audit/self-assessments of REMP activities including vendor activities
16. List of all CAP documents related to REMP activities or groundwater, including leaks or spills since December 1, 2017.

Performance Indicator Verification (occupational and public cornerstones)

Last inspected: August 2018

1. Procedure(s) for gathering and reporting PI data
2. List of all CRs related to effluent dose/ODCM issues since August 1, 2018. *This should be a list of corrective action documents containing a CR number and brief description, not full CRs.*
3. LIST of all CRs related to LHRA/VHRA issues or significant (>100 mrem) unintended doses since August 1, 2018. *This should be a list of corrective action documents containing a CR number and brief description, not full CRs.*
4. Most recent gaseous and liquid effluent evaluation of dose to the public (year-to-date doses).
5. LIST of electronic dosimeter alarms since August 1, 2018 (dose and dose rate)

Onsite Assistance During Inspection

- Health physics assistance with plant walk-downs of weekly environmental sample collection run, meteorological tower, effluent sample collection, effluent monitoring and processing systems, and waste processing systems

Inspector Contact Information:

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**Subject:** NRC Initial Information Request for Upcoming Radiation Protection Baseline Inspection  
**Date:** Monday, March 18, 2019 8:48:00 AM  
**Attachments:** [EB3 RP Vogtle 2019 002 Effluent and REMP Document Request..pdf](#)  
[image001.png](#)

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Please find attached the Initial Information Request for the upcoming Radiation Safety Baseline Inspection scheduled for the week of June 17 - 21, 2019. Please reply back to let me know that you received this. Any questions regarding this please let me know. Thanks.

**Wade T. Loo**

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