

Vogtle Electric Generating Plant
Southern Nuclear Operating Co., Inc.
Radiation Safety Baseline Inspection
Initial Information Request
Inspection Report: 2018004

During the weeks of September 17 – 21 and October 1 - 5, 2018, the NRC will perform a baseline Radiation Safety Inspection at Vogtle Electric Generating Plant (NRC Inspection Procedures 71124.01, 71124.02, 71124.03, 71124.04, 71124.05 and the radiation safety sections of 71152).

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 **September 6, 2018**.

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.

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

This document 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.

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

Licensee: Vogtle Electric Generating Plant
Docket Numbers: 05000424 and 425
Inspection Dates: **September 17 – 21 and October 1 - 5, 2018**
Documents Due to Region II by: **September 6, 2018**

Inspection Procedures (IPs): 71124.01 Radiological Hazard Assessment and Exposure Controls
71124.02 Occupational ALARA Planning and Controls
71124.03 In-Plant Airborne Radioactivity Control and Mitigation
71124.04 Occupational Dose Assessment
71124.05 Radiation Monitoring Instrumentation
71151 Performance Indicator Verification

Lead Inspector: William Pursley
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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.

Documentation for the inspection procedures from March 1, 2016 to the present is requested for all procedures, except 71124.01, which should be from September 1, 2017 to present, 71124.05 which should be from November 1, 2016 to present and 71151 which should be from November 1, 2017 to present. This reflects the last time these areas were inspected. We would prefer as much of the information as possible in electronic form. An index to 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. Listing of primary site contact(s) for each inspection area including name(s) and telephone numbers.
2. List of Radiation Protection (RP) Procedures
3. Schedule of major maintenance/work activities during the weeks of the inspection.
4. Most recent 10 CFR Part 61 analytical results for plant radioactive waste streams.
5. All internal and external RP program assessments since March 1, 2016.
6. Corrective Action Program (CAP) procedure(s)

71124.01 - Radiological Hazard Assessment and Exposure Controls
(Last Inspected September 2017)

1. List of active routine and 1R21 outage Radiation Work Permits (RWPs).
2. Copies of RP Procedures for access and key controls, posting, labeling, surveys, RWPs and ED setpoints, contamination control, release of material and personnel from the RCA, diving, high risk activities and any RP procedures for specific plant evolutions (eg. Crudburst, Resin Transfer, Rx Head Movement, etc.).
3. Copies of the last two routine surveys from the ISFSI facility, U1 & U2 RHR rooms and Containment Penetration Rooms.
4. Copy of radioactive source inventory, most recent leak test survey and any National Source Tracking System (NSTS) transactions since September 1 2017.
5. List of all non-fuel items stored in spent fuel pool.
6. List of CAP report numbers and brief descriptions for issues related to RP controls, radworker or RP tech human performance, posting and surveys generated since September 1, 2017.

71124.02 - ALARA Planning and Controls
(Last Inspected March of 2016)

1. Site and/or corporate ALARA Program and all associated procedures for maintaining dose ALARA including permanent and temporary shielding processes.
2. List of top five dose jobs for 1R21 and associated ALARA planning packages.
3. ALARA planning and reviews conducted for the last ISFSI campaign
4. 2017 annual ALARA report and most recent refueling outage report.
5. Completed ALARA packages for the last outage for five work activities that had the greatest collective dose, and/or presented significant radiological risk.
6. ALARA goals for 2018.
7. ALARA Committee meeting minutes associated with 1R21.
8. Plant source term reduction strategy and results achieved since March 1, 2016.
9. List of CAP report numbers and brief descriptions generated since March 1, 2016 related to the ALARA program.

71124.03 - In-Plant Airborne Radioactivity Control and Mitigation
(Last Inspected March of 2016)

1. Site and corporate procedures/manuals associated with airborne radiation monitoring instrumentation use, maintenance and setpoint determination.
2. Site and corporate procedures/manuals for all plant respiratory protection equipment in use.
3. Copies of vendor certifications for plant personnel qualified to service SCBA equipment if applicable.
4. Records of certification of air quality for equipment used to provide breathing air for air-supplied respirators and/or filling SCBA bottles since March 1, 2016.
5. Two most recent surveillances on the installed ventilation systems for the Technical Support Center and the U-1 Fuel Handling Building including flow verifications and filter

efficiencies as well as the basis for setpoints for the radiation monitors in these systems/facilities:

6. List of CAP report numbers and brief descriptions generated since March 1, 2016 involving airborne radiation monitoring, plant ventilation equipment used to identify or mitigate plant airborne radioactive material and respiratory protection equipment.

71124.04: Occupational Dose Assessment

(Last Inspected March of 2016)

1. Site and corporate Procedures/Guidance Documents for internal and external dose monitoring/evaluation.
2. The plants prospective evaluation, if applicable, determining if monitoring is required by 10CFR 20.1502.
3. The last two DLR/ED correlations.
4. On site passive area radiation monitoring data/evaluations demonstrating compliance with 10 CFR 20.1502 for unmonitored personnel.
5. Most recent evaluations of neutron spectra for the ISFSI and containment at power.
6. List of individuals and exposures for individuals receiving >500 mrem TEDE, >100 mrem neutron, >10 mrem CEDE and >500 mrem SDE in 2017 or 2018.
7. National Voluntary Laboratory Accreditation Program (NVLAP) accreditation documentation for current dosimetry used by the site.
8. List of all personnel contamination events, dispersed contamination/discrete particles, identified since March 1, 2016. *[Note: only a listing should be provided for use by the inspectors to select a sample of issues for in-depth review during the onsite inspection].*
9. List CAP document numbers and brief descriptions generated since March 1, 2016, for internal or external dosimetry issues/events.

71124.05 - Radiation Monitoring Instrumentation

(Last Inspected November of 2016)

1. Provide a list of current portable instruments including electronic dosimetry on site and the procedures/guidance documents for their use, issue and calibration.
2. Procedures/Guidance documents for use and calibration of countroom and fixed contamination monitoring equipment and the site's evaluation of the internal dose sensitivity of the exit portal monitors.
3. Procedures/Guidance and the most recent calibration of the portable instrument calibrator.
4. The last two records of WBC calibration.
5. Interlaboratory crosscheck results for countroom equipment
6. The last two calibration records for the Unit One Containment High-range Area Monitor and calibration source documentation including paperwork showing traceability to a National Institute of Standards & Technology (NIST) standard and/or traceability to the primary calibration, as applicable.
7. List of the area radiation monitors and setpoints currently in service. Several will be selected for on-site review of the calibration records.
8. Source certificates/documentation for the radioactive sources used to calibrate the monitors requested for item 7 above showing NIST traceability.

9. Latest system health report for the Radiation Monitoring system.
10. List of CAP report numbers and brief descriptions generated since November 1, 2016, related to portable and fixed instruments, area radiation monitors, CAMs, WBCs, and count room instruments.

71151 – Performance Indicator (PI) Verification

1. Site procedures/manuals for gathering and reporting PI data.
2. Monthly/Quarterly PI reports since November 1, 2017, and copies of associated corrective action reports for any RETS/ODCM Radiological Effluent occurrences.
3. List of all corrective action documents since November 1, 2017, using keywords such as: HRA, LHRA, VHRA, unintended dose, unlocked door, etc.
4. List of all electronic dosimeter (ED) dose rate alarms and ED dose alarms since November 1, 2017 which includes dose or dose rate alarm received, and the alarm setpoint(s).
5. List of condition reports (e.g. NCRs, CRs, ARs etc.) generated since November 1, 2017, using keywords abnormal/ unmonitored effluent release, etc.

Inspector Contact Information:

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US NRC Region II
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Pursley, William

From: Pursley, William
Sent: Friday, July 27, 2018 6:32 PM
To: 'Dixon, Jim R. (Vogtle RP)'; Walden, Kevin C.
Cc: 'MIWILLIA@southernco.com'
Subject: VOG 201804 RP Document Request.pdf
Attachments: VOG 201804 RP Document Request.pdf

Jim/Kevin,

Attached is the information request for the upcoming Plant Vogtle RP Occupational Baseline Inspection beginning Sept 17. In addition to myself, Bob Kellner will be with me the first week. Adam Nielsen and Jeff Griffis will be with me the second week. 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.

Regards,

Bill

William Pursley
USNRC RII Health Physicist
404 997-4517