



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

July 26, 2012

Mr. Tom E. Tynan
Vice President
Southern Nuclear Operating Company, Inc.
Vogtle Electric Generating Plant
7821 River Road
Waynesboro, GA 30830

**SUBJECT: RADIATION PROTECTION INSPECTION – VOGTLE ELECTRIC
GENERATING PLANT**

Dear Mr. Tynan:

During the weeks of September 17 – 21, and October 1 - 5, 2012, 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 Radiation Safety Sections of 71151). In order to minimize the impact to your on-site 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 August 29, 2012.

We have discussed the schedule for these inspection activities with your staff and understand that our regulatory contact for this inspection will be George Gunn of your organization. If there are any questions about this inspection or the material requested, please contact the lead inspector, Adam Nielsen, at (404) 997-4660, or the Plant Support Branch 1 Chief, Brian Bonser, at (404) 997-4653.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," 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 document system (ADAMS. ADAMS is accessible from the NRC Website at <http://www.nrc.gov/reading-rm/adams.html>) (the Public Electronic Reading Room).

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Sincerely,

/ RA R. Hamilton For/

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

Docket No. 50-424, 50-425
License No. NPF-68, NPF-81

Enclosure:
Document Request List

cc w/encl. (See page 3)

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Docket No. 50-424, 50-425
License No. NPF-68, NPF-81

Enclosure:
Document Request List

cc w/encl. (See page 3)

Distribution w/encl.

C. Evans, RII EICS (Part 72 Only)
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OE Mail (email address if applicable)
RIDSNNRRDIRS
PUBLIC
RidsNrrPMVogtle Resource

☒ PUBLICLY AVAILABLE

☐ NON-PUBLICLY AVAILABLE

☐ SENSITIVE

☒ NON-SENSITIVE

ADAMS: X Yes

ACCESSION NUMBER: ML12209A287

X SUNSI REVIEW COMPLETE X FORM 665 ATTACHED

OFFICE	RII: DRS/PSB1	RII: DRS/PSB1			
SIGNATURE	RA/AN	RA/BB			
NAME	A. NIELSEN	B. BONSER			
DATE	07/26/2012	07/26/2012			
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	

OFFICIAL RECORD COPY DOCUMENT NAME: G:\DRS\INPSB1\INFORMATION REQUEST LETTERS\VOGTLE\VOG_12-05_RP_DOCREQUEST REV1.DOCX

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Amy Whaley
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Document Request List

Inspection Dates: September 17 – 21, and October 1 - 5, 2012

Documents Due to Region II by: August 29, 2012

Inspection Procedures:	IP 71124.01	Radiological Hazard Assessment and Exposure Controls
	IP 71124.02	Occupational ALARA 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: Adam Nielsen
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adam.nielsen@nrc.gov

Note: The current version of these documents is expected unless specified otherwise. Electronic media is preferred if readily available (The preferred file format is Word, WordPerfect, or searchable “.pdf” files on CDROM). *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. 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. Electronic copy of UFSAR chapters 11 and 12 (radwaste and radiation protection).
3. Corrective action program procedure.
4. Outage schedule of major activities (Gantt chart if available).

71124.01 - Radiological Hazard Assessment and Exposure Controls

1. List of outage RWPs.
2. Procedures related to HP controls (e.g. Posting, labeling, surveys, RWPs, contamination control, HRA/LHRA/VHRA control, key control, control of divers, special controls during fuel offload, hot spots, etc.).
3. Procedures related to release of personnel and materials (e.g. release surveys, decontamination, guidance for alarm follow up, etc.).
4. List of Nationally Tracked Sources and any change-of-ownership transactions.
5. List of all non-fuel items stored in spent fuel pool.
6. Most recent self-assessment or audit covering HP controls
7. LIST of CRs related to HP controls (e.g. radworker error, HP technician error, posting issues, HRA/LHRA/VHRA issues, survey problems, etc.) issued since September 2011.
This should be a list of corrective action documents containing a CR number and brief description, not full CRs.

Enclosure

71124.02 - Occupational ALARA Planning and Controls

1. All procedures related to ALARA (e.g. temporary shielding, ALARA planning, source term reduction, etc.).
2. List of top 5 dose jobs for the upcoming refueling outage and ALARA planning packages, if available.
3. List of temporary shielding requests generated for the upcoming outage.
4. Crudburst/cleanup and trending point data for last two outages.
5. Source term reduction strategic plan, if available.
6. Most recent self-assessment or audit of ALARA program.
7. Most recent annual ALARA report and most recent refueling outage report, if available
8. Annual ALARA goals for 2011 and 2012, and the methodology utilized to make the projections.
9. Completed ALARA packages (including post-job reviews) for 5 work activities completed during the previous outage which had the greatest collective dose.
10. LIST of CRs related to ALARA since March 2010. *This should be a list of corrective action documents containing a CR number and brief description, not full CRs.*

71124.03 - In-Plant Airborne Radioactivity Control and Mitigation

1. Procedures related to airborne monitoring and control (e.g. use of containment purge, use of portable HEPA/charcoal units, temporary ventilation enclosures, use of CAMs, air sampling guidance, Alpha air sampling, etc.).
2. Procedures related to the use of respiratory protection devices, (e.g. SCBA, TEDE-ALARA guidance, PAPRs, storage, maintenance, training, QA, fit-testing, etc.).
3. All records of grade D air certification for supplied air system and SCBA filling equipment since March 2010.
4. SCBA qualification records
 - a) Vendor training certificates for all individuals qualified to repair SCBA.
 - b) List of all licensed operators qualified to use SCBA.
 - c) List of all maintenance personnel qualified to use SCBA.
 - d) List of all HP personnel qualified to use SCBA.
5. Documentation for last 2 surveillances performed on SCBA stored for emergency use.
6. Most recent audit or self-assessment covering airborne controls and respiratory protection.
7. LIST of CRs related to airborne monitoring and respiratory protection since March 2010. *This should be a list of corrective action documents containing a CR number and brief description, not full CRs.*

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, storage/care of personal dosimeters, use of electronic dosimeters, *in-vivo* and *in-vitro* internal dose assessment, skin dose assessment, QC for whole body counter, use of passive monitoring if applicable, declared pregnant workers).
2. NVLAP accreditation documentation for current dosimetry used by site.
3. LIST of all positive whole body counts, in vitro, or air sampling analyses which resulted in an assigned CEDE equal to or exceeding 10 millirem since March 2010. *[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].*
4. LIST of all personnel contamination events identified since March 2010. Include full documentation for any PCEs requiring skin dose assessment. *[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, however please include full dose assessment documentation as applicable].

5. Most recent audit or self-assessment of the dosimetry program and the most recent audit of the lab that processes site dosimetry.
6. LIST of CRs generated since March 2010, for internal or external dosimetry issues/events. *This should be a list of corrective action documents containing a CR number and brief description, not full CRs.*

71124.05 - Radiation Monitoring Instrumentation

1. Procedures/Guidance Documents for:
 - a) use of portable instrument calibrators (e.g. Shepherd calibrator).
 - b) calibration and functional test/source checks of portable radiation detection instrumentation.
 - c) calibration and functional tests of small article monitor (SAM), personnel contamination monitor (PCM), portal monitor (PM), whole body counting (WBC) equipment; and continuous air monitors (CAMs).
 - d) determination of set-points for Area Radiation Monitor (ARM), CAM, PCM, PM and SAM equipment.
 - e) collection and analysis of high-range, post accident effluent samples.
 - f) QA program for count room instruments.
2. The last 2 calibration records for the following monitors:
 - a) 1RE-12444A, B, C, D, E, Plant Vent Post Accident Monitor.
 - b) 1RE-0018, Waste Liquid Effluent.
 - c) 1RE-5 Containment High-range Area Monitor.
 - d) 1RE-0011, Seal Table Room Area Monitor.
 - e) Whole Body Counter in Dosimetry area.
 - f) All SAMs at main RCA exit point.
 - g) All PCMs at main RCA exit point.
 - h) All PMs at main RCA exit point.
3. Documentation for the sources used to calibrate the above requested monitors showing traceability to a national standard (NIST/NBS) and to the primary calibration, as applicable.
4. The last 2 surveillances performed on the Post-accident Sampling System (PASS).
5. The last test record of the instrument calibrator (Shepherd validation testing/dose rate curves).
6. Last 2 system health reports for the Radiation Monitoring system.
7. Copies of all audits, self-assessments, and/or reviews of radiation monitoring equipment and portable radiation survey instruments generated since September 2011. The records should include any reviews conducted of vendor facilities, e.g., outside calibration laboratories, as applicable.
8. LIST of CRs generated since September 2011, 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 a CR number and brief description, not full CRs.*

PI Verification (occupational and public cornerstones)

1. Procedure for gathering and reporting PI data.
2. List of all CRs related to effluent dose/ODCM issues since September 2011. *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 and unintended dose issues since September 2011. *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 release permits showing year-to-date doses to the public.
5. LIST of electronic dosimeter alarms since September 2011, (dose and dose rate).