



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

May 25, 2017

Mr. Joseph W. Shea  
Vice President, Nuclear Licensing  
Tennessee Valley Authority  
1101 Market Street, LP 3R-C  
Chattanooga, TN 37402-2801

**SUBJECT: SEQUOYAH NUCLEAR PLANT - NOTIFICATION OF INSPECTION AND  
REQUEST FOR DOCUMENTS**

Dear Mr. Shea:

During the week of July 10 – July 14, 2017, the Nuclear Regulatory Commission (NRC) will perform a baseline Radiation Safety Inspection at Sequoyah Nuclear Plant (NRC Inspection Procedures 71124.06, 71124.07, 71124.08, and 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 June 28, 2017.

We have discussed the schedule for these inspection activities with your staff and understand that our regulatory contact for this inspection will be John Johnson. 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 component of NRC's Agency Wide Documents Access and Management System (ADAMS). ADAMS is accessible from the NRC web site at <http://www.nrc.gov/reading-rm/adams.html>.

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

Sincerely,

/RA/

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

Docket Nos.: 50-327, 50-328  
License Nos.: DPR-77, DPR-79

Enclosure:  
Document Request List

cc: Distribution via Listserv

SUBJECT: SEQUOYAH NUCLEAR PLANT - NOTIFICATION OF INSPECTION AND REQUEST FOR DOCUMENTS DATED: May 25, 2017

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OFFICE	RII/PSB1	RII/ PSB1					
SIGNATURE	ADN	BRB1					
NAME	A. Nielson	B. Bonser					
DATE	5/ 24/2017	5/25/2017	5/ /2017	5/ /2017	5/ /2017	5/ /2017	5/ /2017
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY DOCUMENT NAME: G:\DRS\I\PSB1\RFI INFORMATION REQUEST  
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## **Document Request List**

Inspection Dates: July 10, 2017 – July 14, 2017

Documents Due to Region II by: June 28, 2017

Inspection Procedures:

IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment
IP 71124.07	Radiological Environmental Monitoring Program (REMP)
IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation
IP 71151	Performance Indicator Verification (Public Radiation Safety Cornerstone Only)

Lead Inspector: Adam Nielsen  
Sr. Health Physicist  
US NRC Region II  
(404) 997-4660  
Adam.Nielsen@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 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. List of primary contacts for each inspection area w/phone numbers
2. Corrective action program procedure(s)
3. Procedures for gathering and reporting NRC Performance Indicator (PI) data, including any applicable “desktop guides”

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

1. Offsite Dose Calculation Manual (ODCM)
2. Procedures for collection, analysis, release, and dose evaluations for gaseous and liquid effluents
3. List of changes made to radioactive effluent processing/discharge systems since February 1, 2015
4. List of “out of service” (OOS) time periods for any effluent monitors that required compensatory sampling since February 1, 2015
5. The last two calibration records for the following effluent monitors:
  - 2-RE-90-400, Shield Building Vent Normal/Accident Range Noble Gas
  - 0-RE-90-101B, Auxiliary Building Vent
  - 0-RE-90-122, Waste Disposal System Discharge Monitor
6. The last two calibrations of the Unit 2 Shield Building vent flow monitoring instrumentation (might be part of rad monitor calibration package)
7. The last two Inter-laboratory comparison program results (for onsite count lab)

Enclosure

8. The last two surveillances (in-place filter tests and charcoal tests) performed on the Unit 2 Containment Purge Air-Exhaust Filtration System
9. The last two gaseous effluent release permits and the last two liquid effluent release permits
10. Most recent audit, self-assessment, and/or review of the radioactive effluent monitoring program
11. List of Condition Reports (CR) generated since February 1, 2015, 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 (REMP)**

1. Collection schedule for REMP samples during the week of inspection and contact numbers for collection staff.
2. Procedures for:
  - a) collection and analysis of environmental samples
  - b) calibration and maintenance of REMP air and/or water samplers
  - c) calibration of meteorological monitoring instruments (wind speed & direction, air temperature, etc.)
  - d) periodic meteorological instrumentation surveillance requirements
3. The last two calibration records for REMP air and water sampling equipment (as applicable)
4. The last two calibration records for each meteorological monitoring instrument on the primary tower (wind speed, wind direction, and air temperature)
5. Most recent inter-laboratory comparison program results (environmental lab)
6. List of systems, structures, or components (SSCs), identified as credible mechanisms for the potential release of licensed material to the groundwater (Please include risk-ranking of the SSCs, as applicable)
7. List of any non-radioactive systems that have become contaminated since February 1, 2015
8. Copies of any reports to the NRC (via 10 CFR50.72 or other reporting requirements) regarding abnormal onsite spills/leaks of radioactive material since February 1, 2015
9. List of 10 CFR 50.75(g) entries made since February 1, 2015
10. Recent results of the groundwater monitoring program (at least the last two quarters)
11. Most recent audit, self-assessment, and/or review of REMP activities
12. Most recent audit of lab used to process REMP samples
13. List of CRs generated as a result of REMP activities since February 1, 2015. Include all CRs related to voluntary reporting of onsite spills/leaks of radioactive material. *(This should be a list of corrective action documents containing a CR number and brief description, not full CRs)*

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

1. All procedures related to transportation of radioactive material/waste, radwaste characterization, solid radwaste processing, and storage of Radioactive Material (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 November 1, 2015 (shipping logs)
5. List of all changes made to solid and liquid radwaste processing systems since November 1, 2015
6. List of all abandoned solid and liquid radwaste processing equipment
7. Last two 10 CFR Part 61 analyses for each waste stream, including QA data (e.g. in-house vs. vendor lab comparisons, current results vs. database, etc.)
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 November 1, 2015. *(This should be a list of corrective action documents containing a number and brief description, not full condition reports)*