



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

April 20, 2016

Mr. David R. Vineyard  
Southern Nuclear Operating Company, Inc.  
Edwin I. Hatch Nuclear Plant  
11028 Hatch Parkway North  
Baxley, GA 31513

**SUBJECT: EDWIN I. HATCH NUCLEAR PLANT – NOTIFICATION OF INSPECTION AND  
REQUEST FOR INFORMATION**

Dear Mr. Vineyard:

During the week of June 6-10, 2016, the U.S. Nuclear Regulatory Commission (NRC) will perform a baseline Occupational Radiation Safety Inspection at the Edwin I. Hatch Nuclear Plant. The inspection will consist of 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 have enclosed a request for documents needed for this inspection. It is important that all of these documents are up-to-date, and complete, in order to minimize the number of additional documents requested during the preparation, and/or the on-site portions of the inspection. The NRC requests that these documents be provided to the NRC staff on or before April 23, 2016.

We have discussed the schedule for these inspection activities with your staff, and understand that our regulatory onsite contact for this inspection will be Mr. Jimmy Collins of your organization. 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," of the NRC's "Agency Rules of Practice and Procedure," 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 Agencywide Documents Access and Management System (ADAMS); 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 3150-0044, 3150-0135, 3150-0014, 3150-0011, and 3150-0008. 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 R. Bonser, Chief  
Plant Support Branch 1  
Division of Reactor Safety

Docket Nos. 50-321 and 50-366  
License Nos. DPR-57 and NPF-5

Enclosure:  
Document Request List

cc: Distribution via Listserv

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Sincerely,

**/RA/**

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

Docket Nos. 50-321 and 50-366  
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☐ NON-PUBLICLY AVAILABLE

☐ SENSITIVE

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ADAMS: ☒ Yes      ACCESSION NUMBER: \_\_\_\_\_

☐ SUNSI REVIEW COMPLETE    ☐ FORM 665 ATTACHED

OFFICE	RII:DRS	RII:DRS					
SIGNATURE	<b>WSP1</b>	<b>BRB1</b>					
NAME	WPURSLEY	BBONSER					
DATE	4/20/2016	4/ 20/2016	4/ /2016	4/ /2016	4/ /2016	4/ /2016	4/ /2016
E-MAIL COPY?	YES   NO	YES   NO	YES   NO	YES   NO	YES   NO	YES   NO	YES   NO

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REQUEST 2016-002 (DRAFT).DOCX

### **Document Request List**

Inspection Dates: June 6–10, 2016

Documents Due to Region II by: May 23, 2016

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

Lead Inspector: William Pursley  
Health Physicist  
US NRC Region II  
404-997-4517  
William.Pursley@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 change from item to item. If there are questions regarding the documents requested, please do not hesitate to contact the lead inspector.

### **Assistance Requested During Onsite Inspection**

- Advance notification of any liquid or gaseous effluent releases, including the associated pre-release sampling, analysis, and permit generation.
- Assistance in plant walkdowns of the liquid and gaseous effluent systems.
- Assistance in plant walkdowns of the liquid and gaseous effluent radiation monitoring instrumentation.
- Assistance with walkdowns of meteorological equipment.
- Assistance with observations of Radiological Environmental Monitoring Programs (REMP) sample collection and processing.

### **General Information Request**

1. List of primary contacts for each inspection area w/phone numbers.
2. Plant Management, Radiation Protection, and Chemistry organizational charts w/ contact numbers.
3. Current revision of the Offsite Dose Calculation Manual (ODCM).
4. 2015 Annual Radiological Effluents Release Report (ARERR).

Enclosure

5. 2015 Annual Radiological Environmental Operating Report (AREOR).
6. Most recent 10 CFR Part 61 analytical results.
7. Corrective Action Program procedures.
8. Audits and self-assessments performed since January 2014 that encompass the areas of (1) the REMP program and implementation, (2) gaseous and liquid effluent monitoring program, and (3) gaseous and liquid effluent monitoring instrumentation (installed, and counting room instruments).

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

1. List of permitted effluent release points, including any release points from onsite surface water bodies (as applicable).
2. Procedures/Guidance Documents for:
  - a) Collection, analysis, release, and dose evaluations for gaseous and/or liquid effluents, including guidance for both batch and continuous modes
  - b) Determination of set-points for main plant gaseous and liquid effluent discharge pathways
  - c) Effluent radiation monitor alarm setpoint bases and calculational methods
  - d) Effluent radiation monitor calibration and source checks
  - e) Plant vent stack flow rate calibration
  - f) Countroom High Purity Germanium Detector calibration and QC checks
3. List of changes made to radioactive effluent processing/discharge systems since January 2014.
4. List of any non-radioactive systems that have become contaminated since January 2014.
5. Copies of any reports to the NRC (via 10 CFR 50.72 or other reporting requirements) regarding abnormal onsite spills/leaks of RAM since January 2014.
6. List of the main liquid and gaseous effluent pathway process monitors listed as out-of-service (OOS) since January 2014 including any special reports submitted to the NRC as a result of effluent monitor operability. *[Note do not include monitors listed as OOS for less than 24 hours.]*
7. Last two system health reports for the Radiation Monitoring system.
8. Most recent inter-laboratory comparison program results for onsite and offsite laboratories used to quantify effluent releases.
9. Results of the last two surveillance tests performed on the standby gas treatment system HEPA/charcoal filtration units.
10. The most recent calibration record for the following radiation monitors:
  - a. HNP-1 RxBldg Vent Plenum Rad Monitor
  - b. Main Stack Rad Monitor
  - c. Off-Gas Recombiner Building Rad Monitor
  - d. Process Liquid Rad Monitor
11. Documentation for the radioactive sources used to calibrate the above requested monitors showing traceability to a national standard, National Institute of Standards and Technology (NIST), and traceability to the primary calibration, as applicable.

#### **71124.07 - Radiological Environmental Monitoring Program**

##### **Prior to the Onsite Inspection**

1. Provide Procedures/Guidance Documents for:

- a. collection and analysis of environmental samples
  - b. calibration and maintenance of REMP air and/or water samplers
  - c. calibration of meteorological monitoring instrument loop (wind speed and direction, air temperature sensors currently in use)
  - d. monthly/quarterly meteorological instrumentation surveillance requirements (control room and local tower activities)
  - e. groundwater monitoring program
2. Records for the last two calibrations of the following:
  - a. REMP air and water sampling equipment (as applicable)
  - b. meteorological monitoring instruments (wind speed and direction, air temperature)
3. Detailed inter-laboratory comparison program results (environmental lab) since January 2014.
4. List of systems, structures, or components identified as credible mechanism(s) having the potential for release of licensed material to the groundwater environs.
5. List of 10 CFR 50.75(g) entries made since January 2014.
6. Recent results of the groundwater monitoring program (last two quarters).
7. List of significant REMP changes (sample locations, sample frequency, type of samples, etc.) documented within the ODCM since January 2014.
8. List of condition reports (CRs) generated as a result of REMP activities since January 2014.  
*[Note: Only titles/summary statement should be provided for use by the inspectors to select a sample of issues for in-depth review.]*

#### **71151 – Performance Indicator Verification (Occupational and Public Cornerstones)**

1. Procedure for gathering and reporting performance indicator data.
2. Station PI report data summaries since January 2015.
3. LIST of all NCRs related to locked high radiation area/very high radiation area issues, or significant (>100 mrem) unintended doses since January 2015. *[This should be a list of corrective action documents containing an AR 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 (dose and dose rate) since January 2015.

#### **Lead Inspector Contact Information:**

William Pursley

404-997-4517

[William.Pursley@nrc.gov](mailto:William.Pursley@nrc.gov)

#### **Mailing Address:**

U.S. Nuclear Regulatory Commission

Region II

ATTN: William Pursley

245 Peachtree Center Ave., NE

Suite 1200

Atlanta, GA 30303

## **LIST OF ACRONYMS**

AREORs	Annual Radiological Environmental Operating Reports
ARERRs	Annual Radiological Effluent Release Reports
IP	Inspection Procedure
ODCM	Offsite Dose Calculation Manual
OOS	Out of Service
PI	Performance Indicators
PIP	Problem Investigative Process
REMP	Radiological Environmental Monitoring Programs
RETS/ODCM	Radiological Effluent Technical Specifications/Offsite Dose Calculation Manual
SSCs	Systems, Structure or Components
UFSAR	Updated Final Safety Analysis Report