

Hatch Nuclear Plant  
Southern Nuclear Operating Co., Inc.  
Radiation Safety Baseline Inspection  
Initial Information Request  
Inspection Report: 2022001

During the week of February 7-11, 2022, the U.S. Nuclear Regulatory Commission (NRC) will perform a baseline Radiation Safety Inspection at the E. I. Hatch Nuclear Plant (NRC Inspection Procedures 71124.01, 71124.08 & 71151).

To minimize the impact to your onsite resources during the inspection and ensure the inspectors have the necessary information to complete the inspection while on site, 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 January 28, 2022.

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 Engineering Branch 3 Chief, Binoy Desai at 404-997-4519.

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**

Occupational and Public Radiation Safety Cornerstones

Licensee: E. I. Hatch Nuclear Plant  
 Docket Number: 05000321 and 366  
 Inspection Dates: February 7-11, 2022  
 Documents Due to Region II by: January 28, 2022

Inspection Procedures (IPs):

|          |  |
|----------|--|
| 71124.01 | Radiological Hazard Assessment and Exposure Controls   |
| 71124.08 | Radioactive Solid Waste Processing and Radioactive Material Handling, Storage and Transportation |
| 71151    | Performance Indicator Verification (Public and Occupational)                                     |

**Note:** Please provide the current version of these documents in an electronic format if possible (The preferred file format is MSWord, or searchable “.pdf” files). To the extent possible, please organize the information in directories as requested below. Recent experience has demonstrated the most efficient method to transfer this information to the NRC is via Certrec. It is best to upload all the requested information in one large “zip” file. If there are questions regarding the documents requested, or method of transfer, please do not hesitate to contact the lead inspector.

Documentation for IPs 71124.01 and 71151 should be from **February 1, 2021**. Documentation for 71124.08 should be from **February 1 2020**. These dates are approximate to the last time these inspections were conducted. Also, provide only a listing and title for condition reports requested for each inspection procedure and inspectors will select a sample from these for in-depth review during the inspection].

If you have any questions, please call William Pursley at (404) 997-4517. Thank you in advance for your effort in putting together this material.

#### **General and Miscellaneous Information**

- List of primary site contact(s) for each inspection area including name(s) and telephone numbers.
- Corrective Action Program procedures.
- Plant Management and Radiation Protection organizational charts w/ contact numbers.
- Internal and external assessments and audits of the RP program since February 1, 2020 (excluding INPO).

#### **71124.01 - Radiological Hazard Assessment and Exposure Controls**

**(Last Inspected February 2021)**

1. List of Radiation Work Permits (RWPs) that will be active during the upcoming outage with dose and dose rate setpoints.
2. Procedures for 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 for personnel monitoring requirements including TLD placement and multi-badging.
4. Procedures for controlling release of personnel and materials from the RCA.
5. List of LHRAs and VHRAs including areas which are controlled as potential LHRAs or VHRAs during certain plant evolutions during routine operations or outages.
6. List of corrective action program documents related to HP controls where the cause was listed as human performance (radworker error) or human performance (HP technician error).

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

1. Procedures for the following:
  - Solid and liquid radwaste processing.
  - Transfer of radioactive waste resin and sludge discharges into shipping/disposal containers.
  - Waste stream sampling procedures, including: (1) waste concentration averaging; (2) use of scaling factors and calculations used to account for difficult-to-measure radionuclides; and (3) ensuring waste stream composition data accounts for changing operational parameters.
  - Shipping/transportation procedures.
  - Cask loading and closure procedures (licensee and vendor) applicable to last three cask transports.
  - List of radioactive material (RAM) storage areas, including satellite radiological controlled areas (RCAs).
  - Monitoring impact of long-term storage (e.g., buildup of gases produced by waste decomposition, chemical reactions, container deformation).
  - Process Control Program (PCP).
2. Most recent radio-chemical sample analysis results (i.e., 10 CFR Part 61 analysis) for each of the identified radioactive waste streams (e.g., dry active waste (DAW), ion exchange resins, mechanical filters, and sludges and activated materials)
3. List and documentation of any changes made to the radioactive waste processing systems (liquid and solid) and/or the PCP since January 2020 and associated 10 CFR 50.59 documentation, as appropriate.
4. Copies of applicable transport cask Certificate of Compliance for the last three transport cask shipments.
5. Log of RAM shipments (LSA I, II, III; SCO I, II, Type A, or Type B) for 2020 and 2021. (The inspectors will select 3-5 packages to review in detail.)
6. List of corrective action reports generated since February 1, 2020, involving radioactive waste and RAM/waste transportation.
7. Available for onsite review during the inspection:
  - Site drawing(s) showing the location of all stored RAMs and all stored radioactive waste.
  - Plant drawings adequate to permit the inspector to walkdown the liquid and solid radioactive waste processing systems, to verify current system configuration/operation agree with the descriptions contained in the Updated Final Safety Analysis Report, and in the PCP.
  - Documentation describing the status of any radioactive waste process equipment that is not operational, and/or is abandoned in place.

- Information concerning the site's waste disposal volume and waste reduction program.
- Training curriculum and primary lesson plans for qualifying persons, including vendors, for radwaste processing, packaging, and making shipments of RAMs and radioactive waste as specified by 49 CFR Part 172. Liquid and solid radwaste system diagrams and detailed system descriptions (e.g., information that might be contained in curricula for training new system engineers).

### **71151 – Performance Indicator (PI) Verification**

**(Last Inspected February 2021)**

1. Site procedures/manuals for gathering and reporting PI data.
2. Quarterly PI reports since February 2021, and copies of associated corrective action reports for any RETS/ODCM Radiological Effluent occurrences.
3. List of all corrective action documents since February 2021, 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 February 2021 which includes dose or dose rate alarm received, and the alarm setpoint(s).
5. List of condition reports generated since February 2021, using keywords abnormal/unmonitored effluent release, etc.

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

##### **Mailing Address:**

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##### **Email/Phone**

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