

**NUCLEAR CRITICALITY SAFETY  
RADIATION PROTECTION  
INSPECTION DOCUMENT REQUEST**

**SITE:** GNF-A

**INSPECTION REPORT NUMBER:** 2022-001

**PRE-INSPECTION VISIT:**

NA

**INSPECTION DATES:**

March 7 - 10, 2022

**NRC INSPECTORS:**

Lead: Timothy Sippel,  
Lindsey Cooke,  
Gregg Goff,

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[Gregory.Goff.@nrc.gov](mailto:Gregory.Goff.@nrc.gov)

**ACCOMPANYING PERSONNEL:**

None

**ASSOCIATED PROCEDURES:**

88015 – Nuclear Criticality Safety (NCS)

88030 – Radiation Protection (RP) (includes Radioactive Waste, RW)

**IDENTIFIED LICENSEE CONTACTS:**

Licensing:	Phillip (Phil) Ollis,	<a href="mailto:Phillip.Ollis@ge.com">Phillip.Ollis@ge.com</a>
EHS Manager:	Jonathan Rohner,	<a href="mailto:Jonathan.Rohner@ge.com">Jonathan.Rohner@ge.com</a>
NCS:	Lon Paulson,	<a href="mailto:Lon.Paulson@ge.com">Lon.Paulson@ge.com</a>
RP:	Thomas Jones,	<a href="mailto:Thomas.Jones@ge.com">Thomas.Jones@ge.com</a>

**Note:** This is a broad list of the documents the NRC inspectors will be interested in obtaining and reviewing during the inspection visit. The current version of these documents is expected unless specified otherwise. The lead inspector can answer questions regarding specific information needs with licensee staff and may request additional documents.

**DOCUMENTATION REQUESTED**

**1. Information Requested for NCS Inspection (Sippel)**

- a. Any new and/or revised CSAs completed since the last NCS inspection (in August)
- b. Any new or revised NCS procedures, manuals, and guidance since the last NCS inspection
- c. CSAs and QRAs for Node 702 Radwaste, as well as any TDs and IROFS specification documents for the NCS IROFS in Radwaste.
- d. For the NCS IROFS in Radwaste please also provide any routine testing, maintenance or calibration procedures; including records of the two most recently completed.
- e. The most recent audit of the NCS program (if any since the last NCS inspection)
- f. Any new and/or revised validation reports completed since the last NCS inspection
- g. List of NCS and CAAS-related Corrective Action Program entries and any related NCS safety analyses or evaluations since the last NCS inspection
- h. NCS audit reports since the last NCS inspection, schedule for walkdowns and inspections in 2022

- i. Qualification and training records for any NCS staff that have completed a NCS qualification since the last NCS inspection.
- j. List of any planned CAAS tests; NCS audits; NCS NDA activities; NCS related IROFS tests, PMs, or calibrations scheduled for the inspection week; other NCS related activities occurring during the inspection week

**2. Information Requested for RP Inspection (includes Radioactive Waste) (Cooke, Goff)**

- a. Organizational chart with respect to personnel involved radiation protection (RP) and radioactive waste (RW). Please include their contact information. Please note any personnel changes within the last 12 months.
- b. Procedures pertaining to the RP Program and RW Management Program, including:
  - i. Radiation Protection (RP) Program Implementation and Radioactive Waste Management (RWM)
  - ii. RP Program Review and/or ALARA Program Review and RWM Program Review
  - iii. RP and RWM Procedures which were revised in the past year
  - iv. RP and RW Operating Procedures
  - v. RP and RW Management Procedures
  - vi. Radiation/Radiological Work Permits (RWPs)
  - vii. Radiological Postings and Access Controls
  - viii. Radiation and Contamination Surveys
  - ix. Respiratory Protection Program
  - x. Airborne Radioactivity Monitoring
  - xi. Dosimetry Program
  - xii. Personnel OSLD/TLD Monitoring Program
  - xiii. Unplanned Contamination/Safety Significant Radiological Events Instrumentation & Equipment
  - xiv. Calibration and set point verification for exit monitors such as hand-and-foot monitors (HFMs) and personnel contamination monitors (PCMs)
  - xv. Instrumentation & Equipment
  - xvi. Radioactive Source Control (Sealed Sources)
  - xviii. Container Labeling
  - xxiv. Occupational Dose Results
  - xxi. Posting of Notices to Workers
  - xxii. Calibration and set point verification for exit monitors such as hand-and-foot monitors (HFMs) and personnel contamination monitors (PCMs)
  - xxiii. Maintenance records for criticality accident alarm system detectors (may overlap)
  - xiv. Leak test survey records of sealed sources
- c. Radiological dose reports and records for dose results for workers, minors, and the public.
- d. Records for internal dose results.
- e. Records for bioassay program.
- f. Records of any significant radiological events within the last 24 months.
- g. Training records of the most recent examples of training/qualifications records for radiological technicians (rad techs) and rad waste handlers and qualifications records for the instructors.
- h. A list of training and qualification/OJT requirements (qualification card or curriculum) for personnel performing RP related activities. Please provide about three samples of the most recent training exams for rad tech personnel.

- i. The latest annual summary report on personnel exposures, ALARA program results and future goals/efforts, samples of original supporting documentation, and conformation of plant management review.
- j. Listing of corrective actions related to RP for the previous 12 months.
- k. Radiation Safety Committee meeting minutes for the previous 12 months, if applicable.
- l. Copy of the most recent self-assessment and/or audits report in the areas of Radiation Protection and Radioactive Waste.
- m. Contact information for key personnel expected to support the Radiation Protection Inspection and Radioactive Waste.
- n. The latest Annual ALARA Report
- o. During the inspection week please provide an updated schedule showing RP and RWM activities planned for the week

***This letter contains mandatory information collections that are subject to the Paperwork Reduction Act of 1995 (44 U.S.C. 3501 et seq.). The Office of Management and Budget (OMB) approved these information collections (approval number 3150-0009). Send comments regarding this information collection to the Information Services Branch, Office of the Chief Information Officer, Mail Stop: O-1F13, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by e-mail to [Infocollects.Resource@nrc.gov](mailto:Infocollects.Resource@nrc.gov), and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0009) Office of Management and Budget, Washington, DC 20503.***