

ML22056A380

From: [Nielsen, Adam](#)
To: [Barker, Charles Andrew](#)
Cc: [Bell, Jack](#); [Pursley, William](#); [Diaz, Jose](#); [Childs, Natasha](#)
Subject: Document request for upcoming RP inspection
Date: Friday, February 25, 2022 10:22:00 AM
Attachments: [WB 2022-02 RP Doc Request.pdf](#)

Please see the attached document request for our baseline RP inspection scheduled for April 11 – April 15. This inspection will also cover the radiation safety aspects of your steam generator replacement activities.

We would like to have the information available for review by April 1 if possible. If you have any questions, please contact me via email or at (404) 997-4660.

Thanks,
Adam Nielsen
Sr. Health Physicist
US NRC Region II

Watts Bar Nuclear Plant
Radiation Safety Baseline Inspection
Initial Information Request
Inspection Report: 2022002

During the week of April 11 – April 15, 2022, the NRC will perform a baseline Radiation Safety Inspection at the Watts Bar Nuclear Plant (NRC Inspection Procedures 71124.01, 71124.08, and 71151). In addition to the baseline inspection, the NRC will evaluate the radiation safety aspects of steam generator replacement activities during the 2R4 refueling outage using Inspection Procedure 50001.

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 are requesting in advance documents needed for this activity. It is important that all of these documents are up-to-date, and complete, thereby minimizing the number of additional documents requested during the preparation, and/or the onsite portions of the inspection. The NRC requests that these documents be provided to the inspectors no later than April 1, 2022.

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 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

Inspection Dates: April 11 – April 15, 2022

Documents Due to Region II: April 1, 2022

Inspection Procedures:	IP 71124.01	Radiological Hazard Assessment and Exposure Controls
	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation
	IP 71151	Performance Indicator Verification (Occupational and Public Cornerstones)
	IP 50001	Steam Generator Replacement Inspection

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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. 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)

71124.01 - Radiological Hazard Assessment and Exposure Controls

1. Timeline of major outage activities for U2R4 (e.g. Gantt chart or similar list)
2. Procedures related to RP 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 followup, etc.)
4. Procedures for ALARA, including use of temporary shielding
5. List of outage RWPs
6. List of all non-fuel items stored in spent fuel pool
7. Most recent self-assessment or audit covering RP controls
8. Outage ALARA report from the previous (most recent) refueling outage
9. ALARA planning packages for the top 5 highest dose jobs for the U2R4 refueling outage, including SGRP job tasks
10. List of CRs related to RP controls/ALARA (e.g. radworker error, RP technician error, ALARA issues, posting issues, HRA/LHRA/VHRA issues, survey problems, etc.) since November 20, 2021.

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 RAM and radwaste
2. Process Control Program
3. Site procedures related to 10 CFR 37 controls
4. List and locations of all Category 1 and Category 2 sources
5. Last two leak testing records for all Category 1 and Category 2 sealed sources
6. Liquid and solid radwaste system diagrams showing major components
7. List of all RAM/Radwaste shipments made since November 7, 2020 (shipping logs)
8. List of all changes made to solid and liquid radwaste processing systems since November 7, 2020
9. List of all abandoned solid and liquid radwaste processing equipment
10. 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.)
11. Most recent self-assessment or audit of Shipping/radwaste processing and RAM storage programs
12. List of condition reports related to shipping, radwaste processing, RAM storage, or Part 37 controls since November 7, 2020

71151 – Performance Indicator (PI) Verification (Occupational and Public Cornerstones)

1. Procedures for gathering and reporting NRC PI data
2. List of electronic dosimeter alarms since November 20, 2021 (dose and dose rate)
3. List of CRs related to ODCM/effluent monitoring issues since November 20, 2021
4. 2021 Annual Radioactive Effluent Report (if available). Or calendar year 2021 gaseous and liquid effluent dose summary if the report is not complete yet
5. Effluent dose summary showing 2022 year-to-date dose

50001 – Steam Generator Replacement Inspection

1. Airborne effluent monitoring plan for breaches in containment
2. Radioactive waste management plan, including plan for storage and/or transport of disused steam generators