

**From:** [Bob Kellner](#)  
**To:** [Andrews, Sherry E](#)  
**Subject:** Upcoming Catawba NRC Radiation Safety Inspection - May 2024  
**Date:** Tuesday, March 5, 2024 9:27:00 AM  
**Attachments:** [CAT 2024-002 RP Inspection Document Request.pdf](#)

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Sherry,

Thank you for confirming that you will be the licensing contact for the NRC Radiation Safety Inspection at Catawba scheduled of the week of May 6 - 10, 2024.

Attached is the Information Request for the inspection. The request includes a list of the documents we routinely request for Inspection Procedures (IPs) 71124.04 - Occupational Dose Assessment and 71124.05 - Instruments. If you plan to upload the requested documents to CERTREC, using software to 'zip' the numerous files into a single file prior to upload has proven to be very efficient.

As mentioned previously, the plan is to be onsite the week of May 6-10, 2024. As of right now, Adam Nielsen and I will be the inspectors of record. However, we plan to have a R-II inspector who is working on qualifications, David Restrepo, accompanying us for the inspection. Adam and I should have access at Catawba, but David does not. He does have to other Duke facilities, but he will need to get SOCA access at Catawba.

Please let me know if you have any questions.

Regards,

Bob

***Robert Kellner***

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Catawba Nuclear Station  
Radiation Safety Baseline Inspection  
Initial Information Request  
Inspection Report: 2024002

During the week of May 6-10, 2024, the NRC will perform a baseline Radiation Safety Inspection at the Catawba Nuclear Plant (NRC Inspection Procedures 71124.04 and 71124.05).

Experience has shown that this inspection is resource-intensive for both the NRC inspectors and your staff. 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 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 26, 2024.

If there are any questions about this inspection or the material requested, please contact the lead inspector, Robert Kellner at 404-997-4508, or the Engineering Branch 3 Branch 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

Inspection Dates: May 6 - 10, 2024

Documents Due to Region II by: April 26, 2024

Inspection Procedures: IP 71124.04 Occupational Dose Assessment  
IP 71124.05 Radiation Monitoring Instrumentation

Lead Inspector and Mailing Address:

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Senior Health Physicist	Region II
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**Note:** Current version of these documents is expected unless specified otherwise. Secure file server access (Certrec, SharePoint, etc.), or electronic media (CD/DVD), is preferred. To the extent possible, please organize the information as it is arranged below. Experience has shown that poorly organized files can lead to a less efficient inspection and places additional burden on licensee staff. During the inspection, the inspectors may request additional documents. To the extent possible, please organize the information as it is arranged below. Pay 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.

Documentation is requested from **September 1, 2022**, to present for IPs IP 71124.04 and 71124.05. We would prefer as much of the information as possible in electronic form. An index of the files is also helpful. For those items requesting a list of documents/areas, the inspector will may select documents/areas from the list for on-site review.

### Miscellaneous

1. Plant Management, Radiation Protection, and Chemistry organizational charts
2. List of primary contacts for each inspection area w/phone numbers
3. Corrective Action Program (CAP) procedure(s)
4. List of radiation protection procedures, including title and number
5. Most recent 10 CFR 61 analysis for the DAW waste stream

### 71124.04 - Occupational Dose Assessment (Last inspected September 2022)

1. Procedures related to occupational dose assessment (e.g., dosimetry issuance and use, unusual dosimetry occurrences, multi-badging/extremity dosimetry/badge relocation, Effective Dose Equivalent, personnel contamination events, storage/care of personal dosimeters, in-vivo and in-vitro internal dose assessment, skin dose assessment, QC for whole body counter, use of passive monitoring if applicable, declared pregnant workers)

2. NVLAP accreditation documentation for CY 2022, 2023, and the current year for worker dosimetry used by the site.
3. List of all positive whole-body counts, in vitro, or air sampling analyses which resulted in a CEDE equal to or exceeding 10 millirem since September 1, 2022. [*Note: only a listing should be provided for use by the inspectors to select a sample of issues for review during the onsite inspection*]
4. List of all Level III personnel contamination events identified since September 1, 2022. [*Note: only a listing should be provided for use by the inspectors to select a sample of issues for review during the onsite inspection.*]
5. Most recent neutron characterization (including the ISFSI area)
6. Most recent alpha characterization
7. Last 18 months of area TLD results for general plant areas (not REMP TLDs)
8. Copies of current WBC libraries (e.g., routine, medical, investigative, etc.)
9. Most recent audit or self-assessment of the dosimetry program and/or the most recent audit of the lab that processes site dosimetry
10. List of CRs generated since September 1, 2022, for internal or external dosimetry issues/events. *This should be a list of corrective action documents containing a CR number and brief description, not full CRs.*

71124.05 - Radiation Monitoring Instrumentation  
(Last inspected September 2022)

1. Radiation Protection, Chemistry, and Maintenance procedures/guidance documents, as applicable, for the following:
  - a) Calibration and functional test/source checks of portable radiation detection instruments
  - b) Calibration and functional tests of small article monitor, personnel contamination monitor, portal monitor, counting room equipment, electronic alarming dosimeters, whole body counting equipment, and continuous air monitors
  - c) Collection and analysis of high-range, post-accident effluent samples
  - d) Determination of set-points for area radiation monitor, CAM, PCM, PM, and SAM equipment used for area and personnel monitoring equipment
  - e) QA program (inter-laboratory comparison program) for count room instruments
2. The last 2 calibration records for each of the following instruments:
  - a) U-2 Containment High-Range Radiation Monitors (2EMF53A/B)
  - b) Control Room Radiation Monitor (1EMF12)
  - c) Liquid Radwaste Discharge Monitor (0EMF49)
  - d) U-2 Unit Vent (2EMF35 and 2 EMF36) [Normal-Range Particulate and Noble Gas Effluent Monitor]
  - e) U-2 Unit Vent (2EMF54) [High Range Noble Gas Effluent Monitor]
3. Documentation showing traceability to NIST and/or the primary calibration for the radioactive sources used to calibrate the instruments in item in item 2 above.
4. Chart or procedure listing EALs associated with radiation monitors
5. Emergency plan documents identifying which radiation monitors are used to determine emergency action levels (EALs).
6. Provide a current list of in service (available for use) SAMs, PCMs, PMs, air samplers, continuous air monitors (CAMs), portable radiation detection instruments, counting room (RP and Chemistry), and Whole-Body Counters. [*Note: The list will be used to select monitors for evaluation during the onsite inspection.*]
7. Most recent test record of the instrument calibrator and devices used to perform periodic documented dose rate instrument 'Performance Source Checks' (e.g., Shepherd validation testing/dose rate curves).

8. Design documents and/or calculations showing how the alarm setpoints for the following instruments are determined:
  - a) PCMs and PMs at the RCA and Protected Area exit points
  - b) CAMs
9. Results of the counting room and whole-body counter Inter-Laboratory Comparison Program for 2022, 2023, and the current year.
10. Most recent Radiation Monitoring System engineering performance review/evaluation or system health report, if applicable.
11. Most recent audit or self-assessment covering RP instruments (portables, RCA exit point, WBC, count room). Include any reviews conducted of vendor facilities, as applicable.
12. List of CAP documents (CR, NRC, AR, etc.) related to portable instruments, area monitors, CAMs, RCA release point monitors, WBCs, and count room instruments generated since September 1, 2022. *This should be a list of corrective action documents containing a CAP document number and a brief description, not complete documents.*

Assistance Requested During On-Site Inspection

- Identification of any installed radiation monitoring calibration activities planned during the inspection week that may be available for inspector observation.

Inspector Contact Information:

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