Dykes, Carmen

From: Dykes, Carmen
Sent: Wednesday, April 01, 2020 3:57 PM
To: Andrews, Sherry E
Cc: Desai, Binoy; Nielsen, Adam; Diaz, Jose
Subject: RP Baseline Inspection May 11 2020 Request for Information
Attachments: CNS 2020002 RFI.pdf

Sherry,

Per our conversation I am attaching the request for information for the upcoming RP Baseline inspection in May to this email. Due to the current situation caused by COVID-19 we are operating on alternative protocols that call for limited to no travel. We will not be traveling to Catawba Nuclear Station for the scheduled May 11, RP Baseline Inspection. We will perform a limited inspection at that time, only performing parts of the inspection procedures (IPs) that can be completed with an in office review, and postpone a majority of the inspection.

Please pay attention to Inspection procedure 71124.05 because that is the IP we will focus on during that time. We have put in a complete request for information because we do not know how long the alternative operating procedures will last and we would like to be ready to perform other parts of the baseline inspection at any time and possibly complete other parts of the inspection in the office as determined possible or necessary.

Like discussed on the phone we understand your station is also operating under alternative protocols and we do not intend to add unnecessary burden at this time so, if there are any problems with collecting some of the requested information especially for inspection procedures other than 71124.05 please do not hesitate to contact myself or my branch chief, Binoy Desai at 404-997-4619, (or have any other CNS staff contact us) with concerns or questions.

As always if you have any questions or concerns please feel free to contact me.

Carmen Dykes
Health Physicist
Division of Reactor Safety
Engineering Branch 3

U. S. Nuclear Regulatory Commission
Region II
245 Peachtree Center Avenue, NE
Suite 1200
Atlanta, GA 30303-1257

Phone: 404-997-4401
Email: Carmen.Dykes@nrc.gov

ML20120A041

Catawba Nuclear Station
Radiation Safety Baseline Inspection
Initial Information Request
Inspection Report: 2020002

During the week of May 11 thru May 15, 2020, the NRC will perform a baseline Radiation Safety Inspection at Catawba Nuclear Station (NRC Inspection Procedures 71124.01, 71124.03, 71124.04, 71124.05 and the radiation safety sections of 71151).

Experience has shown that this inspection can be 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 the documents are up-to-date and complete to help minimize the number of additional documents requested during the preparation and onsite portions of the inspection. The NRC requests that these documents be provided to the inspectors no later than May 4, 2020.

I understand normal business operations have been impacted at the present time due to the country's response to Covid-19. If there is any problem retrieving any of the information requested due to reduced staff or alternative business operations please contact the lead inspector for further discussion. If there are any questions about this inspection or the material requested, please contact the lead inspector, Carmen Dykes at 404-997-4401, or the Branch Chief of Engineering Branch 3, 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

Licensee: Catawba Nuclear Station

Docket Numbers: 05000413 and 05000414

Inspection Dates: May 11 – May 15, 2020
Documents Requested by: May 4, 2020

Inspection Procedures (IPs):

71124.01	Radiological Hazard Assessment and Exposure Controls
71124.03	In-Plant Airborne Radioactivity Control and Mitigation
71124.04	Occupational Dose Assessment
71124.05	Radiation Monitoring Instrumentation
71151	Performance Indicator Verification

Lead Inspector:
Carmen Dykes
Health Physicist
US NRC Region II 404-997-4401
Carmen.Dykes@nrc.gov

Note: The current version of these documents is expected unless specified otherwise. Electronic media is preferred and the use of a file share site such as CERTREC. Please organize the information as it is requested to the extent possible. The date ranges for the items requested 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. Company organizational chart with emphasis on related departments
2. Listing of primary site contact(s) for each inspection area including name(s) and telephone numbers.
3. List of Radiation Protection (RP) Procedures
4. Schedule of major maintenance/work activities during the weeks of the inspection
5. Most recent 10 CFR Part 61 analytical results for plant radioactive waste streams
6. All internal and external RP program assessments since May 1, 2018.
7. Corrective Action Program (CAP) procedure(s)

71124.01 - Radiological Hazard Assessment and Exposure Controls
(Last Inspected September 2019)

1. Procedures for access and key controls, posting, labeling, surveys, RWPs and ED setpoints, contamination control, release of material and personnel from the RCA, diving, high risk activities and any RP procedures for specific plant evolutions (eg. Crudburst, Resin Transfer, Rx Head Movement, etc.)
2. List of Radiation Work Permits (RWPs) with setpoints from the past year thru the current outage
3. List of locations, or plant maps indicating the location of all LHRAs and VHRAs including areas with the potential to change due to operations.
4. Copies of the last two routine surveys from the ISFSI facility, U1 & U2 RHR rooms and Containment Penetration Rooms
5. Copy of radioactive source inventory, most recent leak test survey and any National Source Tracking System (NSTS) transactions since September 1, 2019
6. Most recent sealed source inventory
7. List of all non-fuel items stored in spent fuel pool
8. List of CAP report numbers and brief descriptions for issues related to RP controls, radworker or RP tech human performance, posting and surveys generated since September 1, 2019.

71124.03 - In-Plant Airborne Radioactivity Control and Mitigation
(Last Inspected May 1, 2018)

1. Procedures associated with airborne radiation monitoring and control (i.e. use of purge systems, portable HEPA/charcoal units, CAMS, air sampling guidance, Alpha air sampling, etc.)
2. Procedures related to plant respiratory protection equipment and maintenance (i.e. SCBAs, PAPRs, quality assurance, etc.)
3. Copies of vendor certifications for plant personnel qualified to service SCBA equipment if applicable.
4. The last two grade D air testing certificates for each supplied air system and SCBA filing station.
5. Two most recent surveillances on the installed ventilation systems for the Auxiliary Building Ventilation and the Main Control Room System including flow verifications and filter efficiencies as well as the basis for setpoints for the radiation monitors in these systems/facilities:
6. Most recent audit or self-assessment covering airborne controls and respiratory protection
7. List of CAP report numbers and brief descriptions generated since May 1, 2018 involving airborne radiation monitoring, plant ventilation equipment used to identify or mitigate plant airborne radioactive material and respiratory protection equipment.

71124.04: Occupational Dose Assessment
(Last Inspected May 2018)

1. Procedures related to internal and external dose monitoring and/or assessment.
2. The plants prospective evaluation, if applicable, determining if monitoring is required by 10CFR 20.1502.
3. The last two DLR/ED correlations.
4. On site passive area radiation monitoring data/evaluations demonstrating compliance with 10 CFR 20.1502 for unmonitored personnel.
5. Most recent evaluations of neutron spectra for the ISFSI and containment at power.
6. Copy of the current facility alpha characterization and prospective dose evaluation, if available.
7. List of individuals and exposures for individuals receiving >500 mrem TEDE, >100 mrem neutron, >10 mrem CEDE and >500 mrem SDE in from May 2018 and December 2019.
8. National Voluntary Laboratory Accreditation Program (NVLAP) accreditation documentation for current dosimetry used by the site.
9. List of all personnel contamination events, dispersed contamination/discrete particles, identified since May 1, 2018. [Note: only a listing should be provided for use by the inspectors to select a sample of issues for in-depth review during the onsite inspection].
10. List CAP document numbers and brief descriptions generated since May 1, 2018, for internal or external dosimetry issues/events.

71124.05 - Radiation Monitoring Instrumentation
(Last Inspected May 2018)

1. Procedures/Guidance documents for the use, calibration, functional tests and or source checks of the following
    a. count room radiological analysis equipment
    b. fixed contamination monitoring equipment, portable radiation detection instruments
    c. small article/tool equipment monitor
    d. personnel contamination monitor, portal monitor, whole body counting equipment,
    e. continuous air monitors
    f. collection and analysis of high-range, post-accident effluent samples
    g. effluent monitors (gaseous & liquid)
    h. QA program and calibrations for count room instruments
2. Provide a list of current portable instruments including electronic dosimetry on site.
3. Provide a list of liquid and effluent monitors with a log of out of service time periods
4. A list of count room instrumentation used for analyzing radiological samples.
5. Interlaboratory crosscheck results for count room equipment

6. The last two calibration records for the following monitors calibration source documentation including paperwork showing traceability to a National Institute of Standards & Technology (NIST) standard and/or traceability to the primary calibration, as applicable.
    a. Main Steam Line Loop A (2EMF26)
    b. Waste Monitor Tank Building Liquid Discharge Monitor (EMF 57)
    c. Containment high range monitor (EMF53)
    d. Refueling Bridge in the Spent Fuel Buildings (2EMF15)
    e. Auxiliary Building ventilation monitor (EMF41)
7. The last two records of WBC calibration and the documentation for radioactive sources used
8. List of the area radiation monitors and setpoints currently in service and out of service.
9. List of personnel monitors and small article/tool monitors and their locations
10. Chart or procedure listing EALs associated with radiation monitors
11. List of CAP report numbers and brief descriptions generated since May 1, 2018, related to portable and fixed instruments, area radiation monitors, CAMs, WBCs, count room instruments and effluent monitors.

71151 – Performance Indicator (PI) Verification
(Last Inspected September 2019)

1. Site procedures/manuals for gathering and reporting PI data.
2. Related PI reports since September 1, 2019, and copies of associated corrective action reports for any RETS/ODCM Radiological Effluent occurrences.
3. List of all corrective action documents since September 1, 2019, 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 September 1, 2019 which includes dose or dose rate alarm received, and the alarm setpoint(s).
5. List of condition reports (e.g. NCRs, CRs, ARs etc.) generated since September 1, 2019, using keywords abnormal/ unmonitored effluent release, etc.