

Diaz, Jose

To: robert.page@dominionenergy.com
Cc: Rivera, Jonathan; William Pursley
Subject: NAPS RP Inspection August 2021
Attachments: 2021003 North Anna Nuclear Power Station Document Request Letter.pdf

Importance: High

Bob,

As discussed over the phone call today, here is the promised document request letter. Thanks for your support. Feel free to call me at 404-997-4736 or e-mail me at jose.diaz@nrc.gov if you have any questions.

Respectfully,

José

José M. Díaz Vélez, Sr. Health Physicist

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U. S. Nuclear Regulatory Commission

Region II Office

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Atlanta, Georgia 30303-1257

North Anna Power Stations Units 1 and 2

Radiation Safety Baseline Inspection

Initial Information Request

Inspection Reports: 05000338/2021003 and 05000339/2021003

During the week of August 2nd - 6th, 2021, the U.S. Nuclear Regulatory Commission (NRC) will perform a baseline Radiation Safety Inspection at the North Anna Nuclear Plant (NRC Inspection Procedures 71124.02, 71124.06, 71124.07 and 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 July 12, 2021.*

If there are any questions about this inspection or the material requested, please contact the lead inspector, Jose M. Diaz-Velez at 404-997-4736, 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: North Anna Power Station Units 1 and 2
NAPS Licensing Contact: Robert Page (540) 894-2575
robert.page@dominionenergy.com
Docket Number: 05000338 and 05000339
Inspection Dates: August 2nd –6th, 2021
Documents Due to Region II by: July 12, 2021

NRC Inspection Procedures (IPs):

71124.02	<u>Occupational ALARA Planning and Controls</u>
71124.06	<u>Radioactive Gaseous and Liquid Effluent Treatment</u>
71124.07	<u>Radiological Environmental Monitoring Program</u>
71151	<u>Performance Indicator Verification</u>

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 and if possible, use a descriptive name for the files provided. 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 inspection procedures 71124.02, should be from April 4, 2018. Documentation for inspection procedures 71124.06, 71124.07, and 71151 should be from August 9, 2019. These dates are approximate to the last time these inspections were conducted. Also, provide only a listing and title for NCRs 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 José M. Díaz-Vélez 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), e-mail 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 September 2019. (excluding INPO).

71124.02 - Occupational ALARA Planning and Controls

(Last Inspected April 4, 2018)

1. Site and/or corporate ALARA Program and all associated procedures for maintaining dose ALARA including permanent and temporary shielding processes.
2. 2020, 2021-YTD ALARA Committee meeting minutes with attendance rosters.
3. 2019 & 2020 (if available) annual ALARA reports.
4. Completed ALARA packages for the last outage for five work activities that had the greatest collective dose, and/or presented significant radiological risk.
5. ALARA goals for 2021.
6. Plant source term reduction strategy and results achieved since April 4, 2018.
7. Self-assessment or audits of the ALARA Program performed since April 4, 2018.
8. List of CAP report numbers and brief descriptions generated since April 4, 2018 related to the ALARA program.

71124.06 - Radioactive Gaseous and Liquid Effluent Treatment

(Last Inspected August 9, 2019)

1. Copy of Offsite Dose Calculation Manual (ODCM) including a list of changes made in the latest revision.
2. Latest Land Use Census and any changes since August 9, 2019.
3. Procedures for gaseous and liquid effluents to include collection, analysis, release, alarm setpoints, dose evaluations, and QC for counting instrumentation
4. List of changes made to radioactive effluent processing/discharge systems since August 9, 2019.
5. List of "out of service" (OOS) effluent monitors >30 days and duration since August 9, 2019.
6. The last two calibration records for the following effluent monitors:
 - a. 1-GW-RM-178-1 (Process Vent Particulate, Process Vent Gas)
 - b. 1/2-RM-RMS-159/259 (Containment Particulate)
 - c. 1/2-RM-RMS-160/260 (Containment Gas)
 - d. 1-LW-RM-110,111 (Liquid Waste Disposal)
 - e. 1-SW-RM-108 (Service-water discharge to tunnel)
7. Documentation for the radioactive sources used to calibrate the instruments in the item above
8. The last two surveillances (in-place filter tests and charcoal tests) performed on the Plant Vent Exhaust Filtration System
9. Emergency Operating Procedures associated with EALs that rely on radiation monitoring readouts for emergency classifications or protective action recommendations.
10. The last two gaseous effluent release permits and liquid effluent release permits
11. List of all unmonitored spills, leaks, or unexpected liquid/gaseous discharges since August 9, 2019.
12. The last two Inter-laboratory comparison program results (for onsite count lab)
13. Most recent 10 CFR 61 analyses that include hard-to-detect radionuclides.
14. Most recent audit, self-assessment, and/or review of the radioactive effluent monitoring program
15. List of CRs generated since August 9, 2019, because of gaseous and liquid effluent processing and/or ODCM related activities. This should be a list of corrective action documents containing a CR number and brief description, not full CRs

71124.07 - Radiological Environmental Monitoring Program

(Last Inspected August 9, 2019)

1. Procedures for radiological environmental monitoring including but not limited to:
2. Collection, preparation and analysis of all environmental samples
3. Calibration and maintenance of REMP air and/or water samplers
4. Calibration of meteorological monitoring instruments
5. Periodic meteorological instrumentation surveillance requirements
6. Land use census
7. Calibration and quality control of for sample counting instruments
8. Procedures associated with NEI/industry groundwater protection initiative
9. Collection schedule for REMP samples during the week of inspection and contact information for collection staff.
10. Last two calibration records for REMP air and water sampling equipment
11. Last two calibration records for meteorological monitoring instrumentation on the primary tower (wind speed & direction, and air temperature)
12. Data recovery report for meteorological monitoring instruments since August 9, 2019
13. Most recent inter-laboratory comparison program results
14. List of systems, structures and components identified as credible mechanisms for the potential release of licensed material to the groundwater (e.g. SSC risk ranking matrix)
15. List of any non-radioactive system that has become contaminated since August 9, 2019
16. Summary of any leaks and/or spills that have occurred since August 9, 2019 (a copy of 10.75g file)
17. Copies of any reports to the NRC regarding abnormal onsite spills/leaks or radioactive material since August 9, 2019
18. Groundwater monitoring results since August 9, 2019
19. Environmental TLD results since August 9, 2019
20. List of onsite surface water bodies (e.g. ponds, retention basins, lakes) that contain or can potentially contain radioactivity
21. Most recent audit/self-assessments of REMP activities including vendor activities
22. List of all CAP documents related to REMP activities or groundwater, including leaks or spills since August 9, 2019

71151 - Performance Indicator (PI) Verification (Public)

(Last Inspected August 9, 2019)

1. Site procedures/manuals for gathering and reporting PI data.
2. Monthly/Quarterly PI reports filed since August 9, 2019, and copies of associated corrective action reports for any RETS/ODCM Radiological Effluent occurrences.
3. List of condition reports (e.g. NCRs, CRs, ARs etc.) generated since August 2019, using keywords abnormal/ unmonitored effluent release, etc.