

From: [Greene, Natasha](#)
To: Lucille.Stone@WCNOC.com
Cc: [Baca, Bernadette](#); [Warrick, Greg](#); [Thomas, Fabian](#); [Melfi, Jim](#); [Galemore, Susan](#); [Hammon-Karl, Tracy](#)
Subject: WC2019004 Wishlist!
Date: Wednesday, July 31, 2019 3:51:31 PM
Attachments: [WC2019004 2RS13PI Wishlist.docx](#)

Hello Lu!

Please see the attached document request list (i.e., wishlist) for the upcoming radiation safety inspection scheduled for **September 30 through October 4, 2019** at your site. Currently, the inspectors scheduled for this inspection are Natasha Greene and Bernadette Baca. I am the inspection team lead. The inspection will focus on Inspection Procedures (IP) 71124.01, 71124.03, and 71151.

All requested documents should be uploaded on or before **Monday, September 9, 2019**.

If there are any questions and/or concerns regarding these requests, please feel free to contact me directly. When available, please inform me of the scheduled Entrance/Exit meeting time and location. We currently expect to conduct an Entrance on Monday, late afternoon, and an Exit early on Friday morning. Also, please inform me of any required docs/actions needed to acquire/maintain site access for the scheduled inspectors. Thank you!

NOTE:

The information requested for an in-office review may be provided in either electronic or paper media or a combination of these. Information provided in electronic media may be in the form of uploads for an online secured document management service, e-mail attachments, or CD. The agency's text editing software is MS Word; however, we have document viewing capability for Adobe Acrobat (.pdf) text files. Information requested to be reviewed onsite during the inspection week should be paper media.

P.S. If you are not the correct contact for this inspection, please pass it on to the appropriate staff member and 'CC' me. I request in advance that these documents remain accessible for a period of at least 30 days post the Exit meeting date.

Thanks :-),

Natasha A. Greene, PhD

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*** *Dedicated to protecting the health and safety of the people and the environment.* ***

**The following items are requested for the
Occupational Radiation Safety Inspection
at Wolf Creek**

Dates of Inspection: 09/30/2019 to 10/04/2019

Integrated Report 2019004

Inspection areas are listed in the attachments below.

Please provide the requested information on or before **Monday, September 09, 2019**.

Please submit this information using the same lettering system as below. For example, all contacts and phone numbers for Inspection Procedure 71124.01 should be in a file/folder titled "1-A," applicable organization charts in file/folder "1-B," etc.

The information should be provided in electronic format or a secure document management service. If information is placed on *a secured document management system*, please ensure the inspection exit date entered is at least 30 days later than the onsite inspection dates, so the inspectors will have access to the information while writing the report.

In addition to the corrective action document lists provided for each inspection procedure listed below, please provide updated lists of corrective action documents at the entrance meeting. The dates for these lists should range from the end dates of the original lists to the day of the entrance meeting.

If more than one inspection procedure is to be conducted and the information requests appear to be redundant, there is no need to provide duplicate copies. Enter a note explaining in which file the information can be found.

If you have any questions or comments, please contact Natasha Greene at 817-200-1154 or via e-mail at Natasha.Greene@nrc.gov.

PAPERWORK REDUCTION ACT STATEMENT

This letter 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, control number 3150-0011.

1. Radiological Hazard Assessment and Exposure Controls (71124.01) and Performance Indicator Verification (71151)

Date of Last Inspection: **April 9, 2018**

- A. List of contacts and telephone numbers for the Radiation Protection Organization Staff and Technicians, as well as the Licensing/Regulatory Affairs staff. Please include area code and prefix. If work cell numbers are appropriate, then please include them as well.
- B. Applicable organization charts including position or job titles. Please include as appropriate for your site, Site Management, RP, Chemistry, Maintenance (I&C), Engineering, and Emergency Protection. (Recent pictures are appreciated.)
- C. Copies of audits, self-assessments, LARs, and LERs written since the last inspection date, related to this inspection area
- D. Procedure indexes for the radiation protection procedures and other related disciplines.
- E. Please provide procedures related to the following areas noted below. Additional procedures may be requested by number after the inspector reviews the procedure indexes.
 - 1. Radiation Protection Program
 - 2. Radiation Protection Conduct of Operations, if not included in #1.
 - 3. Personnel Dosimetry
 - 4. Posting of Radiological Areas
 - 5. High Radiation Area Controls
 - 6. RCA Access Controls and Radiation Worker Instructions
 - 7. Conduct of Radiological Surveys
 - 8. Radioactive Source Inventory and Control
 - 9. Fuel Pool Inventory Access and Control
- F. Please provide a list of NRC Regulatory Guides and NUREGs that you are currently committed to relative to this program. Please include the revision and/or date for the commitment and where this may be located in your current licensing basis documents.
- G. Please provide a summary list of corrective action documents (including corporate and sub-tiered systems) since the last inspection date.
 - 1. Initiated by the radiation protection organization
 - 2. Assigned to the radiation protection organization

NOTE: These lists should include a description of the condition that provides sufficient detail that the inspectors can ascertain the regulatory impact, the significance level assigned to the condition, the status of the action (e.g., open, working, closed, etc.) and the search criteria used. Please provide in document formats which are "sortable" and "searchable" so that inspectors can quickly and efficiently determine appropriate sampling and perform word searches, as needed. (Excel spreadsheets are the preferred format.) If codes are used, please provide a legend for each column where a code is used.

- H. List of radiologically significant work activities scheduled to be conducted during the inspection period. (If the inspection is scheduled during an outage, please also include a list of work activities greater than 1 rem, scheduled during the outage with the dose estimate for the work activity.) Please include the radiological risk assigned to each activity.
- I. Provide a summary of any changes to plant operation that have resulted or could result in a significant new radiological hazard. For each change, please provide the assessment conducted on the potential impact and any monitoring done to evaluate it.
- J. List of active radiation work permits and those specifically planned for the on-site inspection week.
- K. Please provide a list of air samples taken to verify engineering controls and a separate list for breathing air samples in airborne radiation areas or high contamination work areas. Please include the RWP the breathing air sampling supports.
- L. Please provide the current radioactive source inventory, listing all radioactive sources that are required to be leak tested. Indicate which sources are deemed 10 CFR Part 20, Appendix E, Category 1 or Category 2. Please indicate the radioisotope, initial and current activity (w/assay date), and storage location for each applicable source.
- M. Please provide the last two leak test results for all required/applicable radioactive sources. Please specifically indicate the sources that have failed its leak test within the last two years. Provide any applicable condition reports.
- N. A list of all non-fuel items stored in the spent fuel pools, and if available, their appropriate dose rates (Contact / @ 30cm)
- O. A list of radiological controlled area entries greater than 100 millirem, since the last inspection date. The list should include the date of entry, some form of worker identification, the radiation work permit used by the worker, dose accrued by the worker, and the electronic dosimeter dose alarm set-point used during the entry (for Occupational Radiation Safety Performance Indicator verification in accordance with IP 71151).
- P. A list describing VHRAs and TS HRAs (> 1 rem/hour) that are current and historical. Include their current status, locations, and control measures.
- Q. Temporary effluent monitor locations and calibrations (AMS-4) used to monitor normally closed doors or off-normal release points (e.g., equipment hatch or turbine heater bay doors). Include any CRs associated with this monitoring or instrumentation.

3. In-Plant Airborne Radioactivity Control and Mitigation (71124.03)

Date of Last Inspection: **May 8, 2017**

- A. List of contacts and telephone numbers for the following areas. Please include area code and prefix. If work cell numbers are appropriate, then please include them as well.
 - 1. Respiratory Protection Program
 - 2. Self-contained breathing apparatus
 - 3. Ventilation Systems for breathing air (not effluents)
 - 4. Licensing/Regulatory Affairs
- B. Applicable organization charts including position or job titles. Please include as appropriate for your site, Site Management, RP, Chemistry, Maintenance (I&C), Engineering, and Emergency Protection. (Recent pictures are appreciated.)
- C. Copies of audits, self-assessments, vendor or NUPIC audits for contractor support (SCBA), LARs, and LERs, written since the date of last inspection related to:
 - 1. Installed air filtration systems
 - 2. Self-contained breathing apparatuses
- D. Procedure index for Radiation Protection, Maintenance, I&C, and other related disciplines.
 - 1. Use, operation, and maintenance of installed and portable continuous air monitors
 - 2. Use operation, and maintenance of installed air filtration units for breathing air (e.g., for airline respirators, emergency ventilation systems).
 - 3. Use, operation, and maintenance of temporary air filtration units and vacuums
 - 4. Respiratory protection and other related disciplines.
- E. Please provide specific procedures related to the following areas noted below. Additional Specific Procedures may be requested by number after the inspector reviews the procedure indexes.
 - 1. Respiratory protection program
 - 2. Use and maintenance of self-contained breathing apparatuses
 - 3. Air quality testing for SCBAs or other compressed or supplied air systems
 - 4. Use and testing of installed plant air cleaning systems used for breathing air, such as control room emergency ventilation, technical support center, operations support center, and emergency operations facility (When containment purge is not used as an effluent system, then it can be considered as a breathing air system used prior to outages during RCS breach and flood up.)
- F. Please provide a list of NRC Regulatory Guides and NUREGs that you are currently committed to relative to this program. Please include the revision and/or date for the commitment and where this may be located in your current licensing basis documents.
- G. Please provide a summary list of corrective action documents (including corporate and sub-tiered systems) written since the date of last inspection, related to the Airborne Monitoring program including:
 - 1. In-plant continuous air monitors (installed or portable), not effluent monitors

2. Self-contained breathing apparatus
3. Air Cleaning systems (not effluent)
4. Respiratory protection program

NOTE: These lists should include a description of the condition that provides sufficient detail that the inspectors can ascertain the regulatory impact, the significance level assigned to the condition, the status of the action (e.g., open, working, closed, etc.) and the search criteria used. Please provide in document formats which are "sortable" and "searchable" so that inspectors can quickly and efficiently determine appropriate sampling and perform word searches, as needed. (Excel spreadsheets are the preferred format.) If codes are used, please provide a legend for each column where a code is used.

- H. List of SCBA qualified personnel - reactor operators and emergency response personnel. For the control room individuals, please indicate their normally scheduled shift and specific mask size, as well as note if they are permitted/fitted for eyewear.
- I. Inspection records for self-contained breathing apparatuses (SCBAs) staged in the plant for use since the date of last inspection.
- J. SCBA training and qualification records for control room operators, shift supervisors, STAs, and OSC personnel for the last year.

A selection of personnel may be asked to demonstrate proficiency in donning, doffing, and performance of functionality check for respiratory devices
- K. List of respirators (available for use) by type (APR, SCBA, PAPR, etc.), manufacturer, model, quantity by size, and location. Be prepared to demonstrate that these respirators are NIOSH certified.

Include in the list the specific quantities and sizes staged for emergency use.
- L. Provide one-line drawings of the supplied air and air cleaning systems identified in E.3 and E.4 above.
- M. List work activities requiring respiratory protection and the type of respirator used (include PAPRs)
- N. Please have available, on-site, the records demonstrating the compressed air for SCBAs or supplied air for a breathing air system is at least Grade D.
- O. A list of the technical specification-required air cleaning systems with the two most recent surveillance test dates of in-place filter testing (of HEPA filters and charcoal adsorbers) and laboratory testing (of charcoal efficiency) and the work order numbers associated with the surveillances (and their system number/name).