

**INFORMATION REQUEST FOR THE QUAD CITIES NUCLEAR STATION BIENNIAL
PROBLEM IDENTIFICATION AND RESOLUTION INSPECTION
(September 9 to 27, 2024)**

Note: Unless otherwise noted, the information requested below corresponds to documents generated since September 1, 2022. Please provide the requested documents in electronic format. If the information is not available in electronic format, please contact the inspection team leader to coordinate other available methods to provide the information.

1. Copies of the corporate and site level procedures and sub-tier procedures associated with the corrective action program (CAP). This should include procedures related to:
 - a) corrective action program/process
 - b) cause evaluations
 - c) operating experience program
 - d) employee concerns program
 - e) self-assessment program
 - f) maintenance rule program and implementing procedures
 - g) operability determination process
 - h) degraded/non-conforming condition process (e.g., RIS 2005-20)
 - i) system health process or equivalent equipment reliability improvement programs
 - j) preventive maintenance deferral process
 - k) work management program/process (i.e., worker orders (WOs) and work requests (WRs))

Please also provide a copy of your Nuclear Quality Assurance Program Manual.

If any of the procedures requested above were revised after September 2022, please provide (or have available) copies of all revisions during the onsite inspection. If uploaded, please provide the earlier revisions in a separate folder to separate them from the current procedure.

2. List of top ten risk significant systems, top ten risk significant components for each one of the top ten risk significant systems, and top ten risk significant operator manual actions.
3. List of all condition reports (CRs) initiated including the following information for each CR:
 - a) CR number
 - b) brief, but complete problem description
 - c) priority or level
 - d) affected system
 - e) affected component
 - f) responsible plant department
 - g) CR completion status

Provide this list in a format compatible with spreadsheet software (example shown below) and ensure the list is searchable and can be filtered by system, priority, and organization.

CR #	Description	Priority	System	Component	Org	Status
CR001	"A" RHR Pump failed flow criteria per SR 5.0.5.4...	2	RHR	2-RHR-PMP-A	ENG	Open

4. List of outstanding corrective actions including the following information for each action:

- corrective action number
- corrective action type (e.g., corrective action to prevent recurrence, enhancement, maintenance rule evaluation, etc.)
- brief, but complete corrective action description.
- associated CR/action request (AR) number
- corrective action initiation date
- number of extensions
- corrective action due date
- completion status

Provide this list in a format compatible with spreadsheet software (example shown below), and ensure the list is searchable and can be filtered by system and organization.

Corrective Action #	Type	Description	AR	Initiation Date	Extensions	Due Date	Status
CR0034	CAPR	Revise Procedure NGK-003-4585...	AR0058	01/05/22	2	06/15/23	Awaiting review

- Those CRs generated in response to the September 2022 biennial NRC PI&R inspection.
- List of control room deficiencies with a brief description and corresponding CR/AR and/or WO/WR number.
- List of operator workarounds and operator burdens with a brief description and corresponding CR/AR number and/or WO/WR number.
- List of all currently extended or overdue CRs, sorted by initiation date, with the following information:
 - CR number
 - priority or significance
 - CR title and short description

9. List of all CRs that have been voided, cancelled, or deleted. Please provide the following information for each CR:
 - a) CR number
 - b) brief, but complete problem description
 - c) reason voided, cancelled, or deleted.
10. List of all structures, systems, and components (SSCs) which were classified as (a)(1) in accordance with the maintenance rule. Please include the following information for each system in (a)(1):
 - a) date of classification in (a)(1)
 - b) reason for being placed in (a)(1)
 - c) planned actions and their status
11. List of Maintenance Preventable Functional Failures of risk significant systems with actions completed and status.
12. List of corrective maintenance WOs and WRs and any WOs and WRs considered "high risk." Please include the following information for each:
 - a) WO/WR number
 - b) brief, but complete work description
 - c) affected system and components
 - d) date of initiation
 - e) date of completion (if completed)
 - f) associated CR (if applicable)

Provide this list in a format compatible with spreadsheet software (example shown below) and ensure the list is searchable and can be filtered by system.

Work Order #	Description	System	Component	Initiation Date	Due Date	Status
WO01345	Replace breaker 2A-BKR-08-BB4 for 2A SI Pump	SI	2A-SI-PMP, BKR-08-BB4	01/05/11	03/15/22	Closed

13. Corrective action closeout packages, including CRs with description of corrective actions, for all NRC findings and licensee-identified violations (LIVs). Please include a cross reference relating NRC finding and LIVs to appropriate CR numbers.
14. Corrective action closeout packages, including CRs with description of corrective actions, for all licensee event reports (LERs) submitted. Please include a cross reference relating LER number to appropriate CR number.
15. List of all NRC generic communications (e.g., Information Notices, Generic Letters, etc.) and industry operating experience (OpE) documents (e.g., Part 21 reports, vendor information letters, information from other sites, etc.) evaluated

by the site for applicability to the station, regardless of the determination of applicability. Please include the reference number (e.g., AR/NCR/WO/WR number) for the documents that evaluated the OpE information.

16. Copies of all quality assurance audits and/or assessments issued, including the last two audits/assessments of the CAP.
17. Copies of all department self-assessments
18. Copy of the most recent integrated plant trend report, departmental trend report(s), and corrective action trend report, including any human performance and equipment reliability trends
19. Copy of the latest CAP statistics (if exists) such as the number of CRs initiated by department, human performance errors by department, and others as may be available
20. List of routine meetings involving the CAP (including but not limited to CAP screening, maintenance rule, operating experience, etc.,) to be held during the onsite inspection weeks
21. List of CRs related to the station blackout (SBO) diesels since September 2019. Please provide the following information for each CR, in a format compatible with spreadsheet software and ensure the list is sortable and searchable:
 - a) CR number
 - b) priority
 - c) CR problem description
 - d) Status (open/closed)

Please also provide copies of any a(1) action plans associated with the SBO diesels during this period and the current system health reports.

22. If performed, provide all completed self-assessments of the site safety-culture and a searchable list of all CRs related to safety-culture. Please also upload copies of any CRs initiated in response to the 93100 inspection conducted in July 2023.
23. Copies of CAP documents related to cross-cutting issues (human performance, problem identification and resolution, and safety conscious work environment) identified via trending, self-assessments, safety review committee or other oversight methods
24. List of all cause evaluations with a brief description
25. System health reports, system design basis documents, maintenance rule functions and status, and system description information for the top ten risk significant systems.

From: [Nirodh Shah](#)
To: [Swart, Richard J:\(Constellation Nuclear\)](#)
Cc: [Christopher Hunt](#); [Robert Ruiz](#); [Takuma Okamoto](#); [Zach Coffman](#); [Molly Keefe-Forsyth](#); [Rebecca Sigmon](#); [Alan Dahbur](#); [Thomas Briley](#); [Christopher Highley](#); [Matthew Hardgrove](#)
Subject: Quad Cities PI&R inspection: logistics and initial Request for Information (RFI)
Date: Friday, July 12, 2024 10:20:00 AM
Attachments: [QC 2024 PIR RFI.docx](#)

Hi Richard! I apologize for not getting back to you earlier, but your e-mail arrived while I was out-of-the-office. I have attached the initial RFI and have some logistical information for the inspection.

For the RFI, most of the information is for the two-year period following the September 2022, PI&R inspection, except for the five-year review of the station blackout diesels, for which we want info going back to September 2019. In the past, you have uploaded the requested information to a Constellation SharePoint site for remote access by the inspectors. I am unsure if you are still using that site or another cloud based service, regardless, I am requesting that you provide the access credentials, items 1 and 2 from the RFI, and a list of assigned licensee counterparts with contact info by July 26, so we can verify remote accessibility. The remainder of the RFI can be uploaded by August 19, to allow for adequate review and preparation by the team. Please note, for any Condition Reports (CR) we request, please provide the FULL report, i.e., the report documenting the issue, the assigned actions and status, and the due dates. If the CR has an associated cause evaluation cause (work group, root, apparent, etc.) then please upload that as well. If this is an issue, please reach out to me.

The inspection will be conducted from September 9 through 27. We will be on-site the weeks of September 9 and 23 and working remotely during the week of September 16. Since most of us will be traveling by car, I would like to schedule the entrance meeting the afternoon of September 9 and the exit meeting the morning of September 27. I would like us to be placed in a room with a dry erase board, access to Wi-Fi, and at least one licensee computer set up to access your CAP and other internal databases (similar to what the residents are provided). If possible, I would also like us to be located near our licensee counterparts. When I arrive on Monday, September 9, we can go over other logistics such as daily meetings, etc. The report number for this inspection will be 2024-011.

The team members will consist of myself as Team Lead, Zach Coffman (QC resident), Alan Dahbur, Thomas Briley, Molly Keefe-Forsyth, and Rebecca Sigmon. I believe all of us, except for Tom, have Constellation badges. Molly and Rebecca will participate during the first week, to review site safety culture and follow-up on the 93100-inspection conducted in July 2023. This will include performing work group interviews, reviewing safety-culture issues and assessments and meeting with the Employee Concerns program coordinator. Accompanying them, will be Chris Highly, Senior Resident Inspector at Columbia, and Matt Hardgrove, who is a regional inspector from our Region I office. Both individuals are currently undergoing training to become certified safety culture inspectors, like Molly and Rebecca, and will only participate

during the first inspection week. I am unsure if they have Constellation badges.

I am looking forward to this inspection and thank you for your support! Please reach out to me with any questions or issues.

Thanks!

N. Shah
Senior Project Engineer
Reactor Programs Branch 1
Division of Operating Reactors, Region III