



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II
245 PEACHTREE CENTER AVENUE N.E., SUITE 1200
ATLANTA, GEORGIA 30303-1200

January 24, 2024

Edward Pigott
Site Vice President
Duke Energy Carolinas, LLC
McGuire Nuclear Station
12700 Hagers Ferry Road
Huntersville, NC 28078-8985

SUBJECT: MCGUIRE NUCLEAR STATION – NOTIFICATION OF INSPECTION AND
REQUEST FOR INFORMATION FOR NRC PROBLEM IDENTIFICATION AND
RESOLUTION INSPECTION

Dear Edward Pigott:

The purpose of this letter is to notify you that the U.S. Nuclear Regulatory Commission (NRC) Region II staff will conduct a problem identification and resolution (PI&R) inspection at your McGuire Nuclear Station during the weeks of April 22, and May 6, 2024. The inspection team will be led by Robert Mathis, a Senior Construction Inspector, from the NRC's Region II office. This inspection will be conducted in accordance with the baseline inspection procedure 71152, "Problem Identification and Resolution," issued October 31, 2023.

The biennial PI&R inspection and assessment of the licensee's corrective action program (CAP) complements and expands upon the resident baseline inspections of routine daily screening of all corrective action program issues, quarterly focused issue reviews, and semiannual trend PI&R reviews.

On January 16, 2024, Robert Mathis confirmed, with Jeff Sanders of your staff, the two-week onsite inspection.

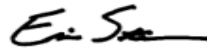
The enclosure lists documents that will be needed prior to the inspection. Please have the referenced information available no later than March 22, 2024. Contact Robert Mathis with any questions concerning the requested information. The inspectors will try to minimize your administrative burden by specifically identifying only those documents required for inspection preparation.

If additional documents are needed, they will be requested when identified. Prior to the onsite inspection, Robert Mathis will discuss with your staff the following inspection support administrative details: availability of knowledgeable plant engineering and licensing personnel to serve as points of contact during the inspection, method of tracking inspector requests during the inspection, access to licensee computers, working space, arrangements for site access, and other applicable information.

In accordance with Title 10 of the *Code of Federal Regulations* 2.390, "Public Inspections, Exemptions, Requests for Withholding," of the NRC's "Rules of Practice," a copy of this letter will be available electronically for public inspection in the NRC's Public Document Room or from the Publicly Available Records (PARS) component of the NRC's Agencywide Documents Access and Management System (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Thank you for your cooperation in this matter. If you have any questions regarding the information requested or the inspection, please contact Robert Mathis at (404) 997-4617.

Sincerely,



Signed by Stamm, Eric
on 01/24/24

Eric J. Stamm, Chief
Reactor Projects Branch 1
Division of Reactor Projects

Docket Nos. 05000369 and 05000370
License Nos. NPF-9 and NPF-17

Enclosure:
Information Request for McGuire Nuclear Station
Problem Identification and Resolution Inspection

cc: Distribution via Listserv

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.

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SUBJECT: MCGUIRE NUCLEAR STATION – NOTIFICATION OF INSPECTION AND REQUEST FOR INFORMATION FOR NRC PROBLEM IDENTIFICATION AND RESOLUTION INSPECTION – DATED JANUARY 24, 2024

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NAME	S. Temple	R. Mathis	E. Stamm		
DATE	1/19/2024	1/19/2024	1/24/2024		

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**INFORMATION REQUEST FOR THE MCGUIRE NUCLEAR STATION
 PROBLEM IDENTIFICATION AND RESOLUTION INSPECTION
 (April 22 – 26 and May 6 – 11, 2024)**

Note: Unless otherwise noted, the information requested below corresponds to documents generated since June 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))

If any of the procedures requested above were revised after June 2022, please provide (or have available) copies of all subsequent revisions during the onsite inspection

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. Please provide by **February 23, 2024**.
3. List of all nuclear condition reports (NCRs) initiated including the following information for each NCR:
 - a) NCR number
 - b) brief, but complete problem description
 - c) priority or level
 - d) affected system
 - e) affected component
 - f) responsible plant department
 - g) NCR 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

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:
 - a) corrective action number
 - b) corrective action type (e.g., corrective action to prevent recurrence, enhancement, maintenance rule evaluation, etc.)
 - c) brief, but complete corrective action description
 - d) associated CR/action request (AR) number
 - e) corrective action initiation date
 - f) number of extensions
 - g) corrective action due date
 - h) 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

5. List of control room deficiencies with a brief description and corresponding CR/AR and/or WO/WR number
6. List of operator workarounds and operator burdens with a brief description and corresponding CR/AR number and/or WO/WR number
7. List of all currently extended or overdue NCRs, sorted by initiation date, with the following information:
 - a) NCR number
 - b) priority or significance
 - c) NCR title and short description
8. List of all NCRs that have been voided, cancelled, or deleted. Please provide the following information for each NCR:
 - a) NCR number
 - b) brief, but complete problem description
 - c) reason voided, cancelled, or deleted
9. List of all structures, systems, and components (SSCs) which were classified as (a)(1) in accordance with the maintenance rule since June 2022. 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
10. List of Maintenance Preventable Functional Failures of risk significant systems with actions completed and current status.

11. 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

12. Corrective action closeout packages, including NCRs 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 NCR numbers.

13. Corrective action closeout packages, including NCRs with description of corrective actions, for all licensee event reports (LERs) submitted. Please include a cross reference relating LER number to appropriate CR number.

14. 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 aforementioned OpE information.

15. Copies of all quality assurance audits and/or assessments issued, including the last two audits/assessments of the CAP

16. Copies of all department self-assessments

17. 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

18. Copy of the latest CAP statistics (if exists) such as the number of NCRs initiated by department, human performance errors by department, and others as may be available

19. 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

20. List of NCRs related to equipment aging issues in the top ten risk significant systems since **June 2019** (e.g., system erosion and/or corrosion problems; electronic component aging or obsolescence of circuit boards, power supplies, relays, etc.; environmental qualification). Please provide the following information for each NCR, in a format compatible with spreadsheet software and ensure the list is sortable and searchable:
 - a) CR number
 - b) priority
 - c) CR problem description
21. If performed, provide all self-assessments of the site safety culture completed
22. 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
23. List of all cause evaluations with a brief description
24. Copy of probabilistic risk assessment importance measures report, if available
25. System health reports, system design basis documents, maintenance rule functions and status, and system description information for the top ten risk significant systems. Please provide by **February 23, 2024**.