



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
REGION II
245 PEACHTREE CENTER AVENUE NE, SUITE 1200
ATLANTA, GEORGIA 30303-1257

February 29, 2016

Mr. Steven D. Capps
Site Vice President
Duke Energy Carolinas, LLC
McGuire Nuclear Station
MG01VP/12700 Hagers Ferry Road
Huntersville, NC 28078

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

Dear Mr. Capps:

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 McGuire Nuclear Station during the weeks of May 2 - 6 and May 16 - 20, 2016. The inspection team will be led by Mr. Ellery Coffman, a Resident Inspector, from the NRC's Region II office. Mr. Coffman will also conduct a two day pre-inspection visit beginning March 28, 2016. This inspection will be conducted in accordance with the baseline Inspection Procedure 71152, Problem Identification and Resolution, effective on February 26, 2015.

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 February 25, 2016, Mr. Coffman confirmed with Mr. L. Hentz and Mr. J. Robertson of your staff, arrangements for the two-week onsite inspection and the two day pre-inspection visit.

The enclosure lists documents that will be needed prior to the inspection. Please have the referenced information available no later than March 24, 2016. Contact Mr. Coffman 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, Mr. Coffman 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.

S. Capps

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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 and its enclosure 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 Mr. Coffman at (803) 345-5683.

Sincerely,

/RA/

Anthony D. Masters, Chief
Reactor Projects Branch 7
Division of Reactor Projects

Docket Nos.: 50-369, 50-370
License Nos.: NPF-9, NPF-17

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

cc: w/Encl: 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.

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.

S. Capps

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X PUBLICLY AVAILABLE NON-PUBLICLY AVAILABLE SENSITIVE X NON-SENSITIVE
ADAMS: XYes ACCESSION NUMBER: ML16061A025 X SUNSI REVIEW COMPLETE X FORM 665 ATTACHED

OFFICE	RII:DRP	RII:DRP					
SIGNATURE	Via Email/RA/ETC1	ADM2					
NAME	E. Coffman	A. Masters					
DATE	2/25/2016	2/29/2016					
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY DOCUMENT NAME

S. Capps

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Letter to Steven D. Capps from Anthony Masters dated February 29, 2016.

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

Distribution w/encl:

D. Gamberoni, RII

L. Gibson, RII

OE Mail

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PUBLIC

RidsNrrPMMcGuire Resource

INFORMATION REQUEST FOR MCGUIRE NUCLEAR STATION PROBLEM IDENTIFICATION AND RESOLUTION INSPECTION (MAY 2 – 6, 2016 AND MAY 16 - 20, 2016)

Note: Unless otherwise noted, the information requested below corresponds to documents generated since June 26, 2014. 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. This should include procedures related to:
 - a) Corrective action process
 - b) Cause evaluation
 - 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

If any of the procedures requested above were revised after June 26, 2014, please provide (or have available) copies of all 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
3. List of all Action Requests initiated including the following information on each AR:
 - a) AR number
 - b) Brief, but complete problem description
 - c) Priority or level
 - d) Affected system
 - e) Affected component
 - f) Responsible plant department
 - g) AR completion status

If possible, provide this list in a format compatible with spreadsheet software (example shown below).

AR #	Problem	Priority	System	Component	Org	Status
AR001	"A" RHR Pump failed flow criteria per SR 5.0.5.4	2	RHR	2-RHR-PMP-A	ENG	Open

Enclosure

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 AR number
- e) Corrective action initiation date
- f) Number of extensions
- g) Corrective action due date
- h) Completion status

If possible, provide this list in a format compatible with spreadsheet software (example shown below).

Corrective Action #	Type	Description	AR	Initiation Date	Extensions	Due Date	Status
001	CAPR	Revise Procedure NGK-003-4585	AR0058	01/05/12	2	06/15/12	Awaiting CARB review

5. List of control room deficiencies with a brief description and corresponding AR and/or work order (WO) number
6. List of operator workarounds and operator burdens with a brief description and corresponding AR number
7. List of all currently extended or overdue ARs, sorted by initiation date, with the following information:
 - a) AR number
 - b) Priority or Significance
 - c) AR title and short description
8. List of all ARs that have been voided, cancelled, or deleted. Please provide the following information for each AR:
 - a) AR 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 2014. 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 (MPFF) of risk significant systems. Please include actions completed and current status.
11. List of corrective maintenance work orders. Please include the following information for each work order:
 - a) WO number
 - b) Brief, but complete work description
 - c) Affected system and components
 - d) Date of initiation
 - e) Date of completion (if completed)

If possible, provide this list in a format compatible with spreadsheet software (example shown below).

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	03/15/12	Closed

12. Corrective action closeout packages, including ARs with description of corrective actions, for all NRC findings and Licensee identified violations (LIVs). Please include a cross reference linking NRC Finding numbers and LIVs to appropriate AR numbers.
13. Corrective action closeout packages, including ARs with description of corrective actions, for all licensee event reports (LERs) issued. Please include a cross reference linking LER number to appropriate AR number.
14. List of all NRC generic communications (e.g., Information Notices, Generic Letters, etc.) and industry operating experience (OE) 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 number) for the documents that evaluated the aforementioned OE information.
15. Copies of all quality assurance audits and/or assessments issued, including the last two audits/assessments of the corrective action program.
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 Corrective Action Program statistics (if exists) such as the number of ARs initiated by department, human performance errors by department, and others as may be available.
19. Please provide a list of routine meetings involving the CAP to be held while team is onsite.
20. List of ARs related to equipment aging issues in the top ten risk significant systems since May 2013 (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 AR:
 - a) AR number
 - b) Priority
 - c) AR problem description
21. If performed, please provide any recent self-assessment of the site safety culture completed.
22. Copies of corrective action program 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 root 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, and system description information for the selected systems.