



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

May 16, 2013

Mr. George Hamrick, Vice President  
Carolina Power and Light Company  
Shearon Harris Nuclear Power Plant  
P. O. Box 165, Mail Code: Zone 1  
New Hill, North Carolina 27562-0165

**SUBJECT: SHEARON HARRIS NUCLEAR POWER PLANT – NOTIFICATION OF  
INSPECTION AND REQUEST FOR INFORMATION FOR NRC PROBLEM  
IDENTIFICATION AND RESOLUTION INSPECTION**

Dear Mr. Hamrick:

This letter is to notify you that the U.S. Nuclear Regulatory Commission (NRC) Region II staff will conduct a biennial problem identification and resolution (PI&R) inspection at your Shearon Harris reactor facility during the weeks of August 5 - 9 and August 19 - 23, 2013. This inspection will be conducted in accordance with Inspection Procedure 71152, Problem Identification and Resolution. This inspection 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.

The inspection team will be led by Mr. Wesley Deschaine. Mr. Deschaine confirmed with Ms. Shirelle Allen, of your staff, the arrangements for the two-week onsite inspection. Prior to the onsite inspection, Mr. Deschaine will discuss with your staff the following inspection support details: availability of knowledgeable plant engineering and licensing personnel to serve as points of contact; method of tracking inspector requests during the inspection; access to licensee computers; working space; arrangements for site access; and other applicable information.

The enclosure lists documents that will be needed prior to the inspection. Please have the referenced information available no later than July 15, 2011. The inspectors will try to minimize your administrative burden by specifically identifying only those documents required for inspection preparation.

In accordance with 10 CFR 2.390 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 Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

G. Hamrick

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Thank you for your cooperation in this matter. If you have any questions regarding the information requested or the inspection, please contact Mr. Deschaine at (423) 842-8001.

Sincerely,

**/RA/**

Curtis W. Rapp, Chief  
Reactor Projects Branch 7  
Division of Reactor Projects

Docket No.: 50-400  
License No.: NPF-63

Enclosure: INFORMATION REQUEST FOR SHEARON HARRIS NUCLEAR POWER  
PLANT PROBLEM IDENTIFICATION AND RESOLUTION INSPECTION

cc w/encl: (See page 3)

**"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."

G. Hamrick

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X PUBLICLY AVAILABLE      NON-PUBLICLY AVAILABLE      SENSITIVE      X NON-SENSITIVE  
ADAMS: X Yes      ACCESSION NUMBER: \_\_\_\_\_      X SUNSI REVIEW COMPLETE      x FORM 665 ATTACHED

OFFICE	RII:DRP	RII:DRP				
SIGNATURE	Via email	CWR:/RA/				
NAME	WDeschaine	CRapp				
DATE	05/15/2013	05/15/2013				
E-MAIL COPY?	YES      NO	YES      NO	YES      NO	YES      NO	YES      NO	YES      NO

OFFICIAL RECORD COPY DOCUMENT NAME: S:\DRP\RPB7PI&R\NOTIFICATION LETTERS\HARRIS NOTIFICATION LETTER 2013.DOCX

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(cc w/encl continued next page)

cc: w/encl. continued  
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G. Hamrick

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Letter to George T. Hamrick from Curtis W. Rapp dated May 16, 2013

SUBJECT: SHEARON HARRIS NUCLEAR POWER PLANT – NOTIFICATION OF  
INSPECTION AND REQUEST FOR INFORMATION FOR NRC PROBLEM  
IDENTIFICATION AND RESOLUTION INSPECTION

Distribution w/encl:

C. Evans, RII EICS

L. Evans, RII EICS

OE Mail

RIDSNNRRDIRS

PUBLIC

RidsNrrPMShearonHarris Resource

## INFORMATION REQUEST FOR SHEARON HARRIS NUCLEAR POWER PLANT PROBLEM IDENTIFICATION AND RESOLUTION INSPECTION (August 5 - 9 and August 19 - 23, 2013)

Note: Unless otherwise noted, the information requested below corresponds to documents generated since July 29, 2011. 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 and action request/nuclear condition report (AR/NCR) extension process

If any of the procedures requested above were revised after July 29, 2011, 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 AR/NCRs initiated including the following information for each AR/NCR:
  - a) AR/NCR Number
  - b) Brief, but complete problem description
  - c) Priority or level
  - d) Affected system
  - e) Affected component
  - f) Responsible plant department
  - g) AR/NCR completion status

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

AR/NCR #	Problem	Priority	System	Component	Org	Status
AR/NCR 001	"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/NCR 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/NCR	Initiation Date	Extensions	Due Date	Status
0034	CAPR	Revise Procedure NGK-003-4585	AR/NCR 0058	01/05/08	2	06/15/08	Closed

- 5. List of control room deficiencies with a brief description and corresponding AR/NCR and/or work order (WO) number
- 6. List of operator workarounds and operator burdens with a brief description and corresponding AR/NCR number
- 7. List of all currently extended AR/NCRs or overdue, sorted by initiation date, with the following information:
  - a) AR/NCR #
  - b) Priority or Significance
  - c) AR/NCR title and short description
- 8. List of all AR/NCRs that have been voided or cancelled. Please provide the following information for each AR/NCR:
  - a) AR/NCR Number
  - b) Brief, but complete problem description
  - c) Reason voided or cancelled
- 9. List of all structures, systems, and components (SSCs) which were classified as (a)(1) in accordance with the Maintenance Rule since July 29, 2011. 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

Enclosure



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	01/05/08	03/15/09	Closed

12. Corrective action closeout packages, including AR/NCRs with description of corrective actions, for all NRC findings and Licensee identified violations. Please include a cross reference linking NRC Finding numbers and LIVs to appropriate AR/NCR numbers.
13. Corrective action closeout packages, including AR/NCRs with description of corrective actions, for all licensee event reports (LERs) issued. Please include a cross reference linking LER number to appropriate AR/NCR 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/NCR #) 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 for those programs related to the Corrective Action Program (e.g. Operating Experience, Maintenance Rule, etc)
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 AR/NCRs initiated by department, human performance errors by department, and others as may be available

Enclosure

19. Copies of any minutes of meetings by the offsite safety review boards/groups. In addition, please provide a list of routine meetings involving the CAP to be held while team is onsite.
20. List of AR/NCRs related to equipment aging issues in the top ten risk significant systems since July 29, 2008 (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/NCR:
  - a) AR/NCR number
  - b) Priority
  - c) AR/NCR problem description
21. If performed, please provide any recent self-assessment of the site safety culture.
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 top ten risk significant systems