



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
REGION II
SAM NUNN ATLANTA FEDERAL CENTER
61 FORSYTH STREET, SW, SUITE 23T85
ATLANTA, GEORGIA 30303-8931

April 26, 2013

Mr. Joseph W. Shea
Vice President, Nuclear Licensing
Tennessee Valley Authority
3R Lookout Place
1101 Market Street
Chattanooga, TN 37402-2801

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

Dear Mr. Shea:

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 Sequoyah Nuclear Plant during the weeks of June 10-14 and June 24-28, 2013. The inspection team will be led by Mr. Necota Staples, a Senior Project Inspector from the NRC's Region II office. This inspection will be conducted in accordance with the baseline inspection procedure, Procedure 71152, Problem Identification and Resolution, issued on January 31, 2013.

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 April 23, 2013, Mr. Staples confirmed with Mr. John Johnson of your staff, arrangements for 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 April 29, 2013. Contact Mr. Staples 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. Staples 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 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).

Thank you for your cooperation in this matter. If you have any questions regarding the information requested or the inspection, please contact Mr. Staples at (404) 997-4644.

Sincerely,

/RA/

George T. Hopper, Chief
Reactor Projects Branch 7
Division of Reactor Projects

Docket Nos.: 50-327, 50-328
License Nos.: DPR-77, DPR-79

Enclosure: Information Request for Sequoyah Nuclear Plant Problem Identification & 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."

If additional documents are needed, they will be requested when identified. Prior to the onsite inspection, Mr. Staples 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.

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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. Staples at (404) 997-4645.

Sincerely,

/RA/

George T. Hopper, Chief
Reactor Projects Branch 7
Division of Reactor Projects

Docket Nos.: 50-327, 50-328
License Nos.: NPF-77, NPF-79

Enclosure: INFORMATION REQUEST FOR SEQUOYAH NUCLEAR PLANT PROBLEM
IDENTIFICATION AND RESOLUTION INSPECTION

cc w/encl: (See page 3)

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☒ PUBLICLY AVAILABLE

☐ NON-PUBLICLY AVAILABLE

☐ SENSITIVE

☒ NON-SENSITIVE

ADAMS: ☒ Yes

ACCESSION NUMBER: _____

☒ SUNSI REVIEW COMPLETE ☒ FORM

665 ATTACHED

OFFICE	RII:DRP	RII:DRP				
SIGNATURE	RRR:/RA/ for	GTH:/RA				
NAME	NStaples	GHopper				
DATE	4/25/2013	4/25/2013	4/ /2013	4/ /2013	4/ /2013	4/ /2013
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY DOCUMENT NAME: G:\DRP\RPB6\SEQUOYAH\LETTERS\2013
NOTIFICATION LETTERS\SEQUOYAH NOTIFICATION LETTER 2013.DOC

J. Shea

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cc w/encl:
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Site Vice President
Sequoyah Nuclear Plant
Tennessee Valley Authority
Electronic Mail Distribution

P. R. Simmons
Plant Manager
Sequoyah Nuclear Plant
Tennessee Valley Authority
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J. W. Proffitt
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Tennessee Valley Authority
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Tennessee Department of Environment & Conservation
Division of Radiological Health
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U.S. Nuclear Regulatory Commission
Sequoyah Nuclear Plant
2600 Igou Ferry Road
Soddy Daisy, TN 37379-3624

Ann Harris
341 Swing Loop
Rockwood, TN 37854

J. Shea

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Letter to Joseph Shea from George T. Hopper dated April 26, 2013.

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

Distribution w/encl:

C. Evans, RII EICS

L. Douglas, RII EICS

OE Mail

RIDSNRRDIRS

PUBLIC

RidsNrrPMSequoyah Resource

**INFORMATION REQUEST FOR SEQUOYAH NUCLEAR PLANT PROBLEM
IDENTIFICATION AND RESOLUTION INSPECTION (JUNE 10 - 14 AND JUNE 24-28, 2013)**

Note: Unless otherwise noted, the information requested below corresponds to documents generated since August 1, 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 Condition Report (PER) extension process

If any of the procedures requested above were revised after March 01, 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 PERs initiated including the following information for each PER:
 - a) PER number
 - b) Brief, but complete problem description
 - c) Priority or level
 - d) Affected system
 - e) Affected component
 - f) Responsible plant department
 - g) PER completion status

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

PER #	Problem	Priority	System	Component	Org	Status
PER200 8000001	"A" RHR Pump failed flow criteria per SR 5.0.5.4	2	RHR	2-RHR- PMP-A	ENG	Open

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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 PER 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	PER	Initiation Date	Extensions	Due Date	Status
PER200800001	CAPR	Revise Procedure NGK-003-4585	PER200800001	03/05/11	2	04/15/11	Awaiting CARB Review

- 5. List of control room deficiencies with a brief description and corresponding PER and/or work order (WO) number
- 6. List of operator workarounds and operator burdens with a brief description and corresponding PER number
- 7. List of all currently extended or overdue PERs, sorted by initiation date, with the following information:
 - a) PER number
 - b) Priority or Significance
 - c) PER title and short description
- 8. List of all PERs that have been voided, cancelled, or deleted. Please provide the following information for each PER:
 - a) PER 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 March 2011. Please include the following information for each system in (a)(1):
 - a) Date of classification in (a)(1)

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- 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	03/15/11	Closed

12. Corrective action closeout packages, including PERs 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 PER numbers
13. Corrective action closeout packages, including PERs with description of corrective actions, for all licensee event reports (LERs) issued. Please include a cross reference linking LER number to appropriate PER 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., PER 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

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18. Copy of the latest Corrective Action Program statistics (if exists) such as the number of PERs initiated by department, human performance errors by department, and others as may be available
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 PERs related to equipment aging issues in the top ten risk significant systems since March 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 PER:
 - a) PER number
 - b) Priority
 - c) PER 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
26. A description of any alternative corrective action process within the organization that may not be controlled within the guidance of the Corrective Action Program (i.e., Radiological Protection, Security, Training, Warehouse)

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