



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
WASHINGTON, D.C. 20555-0001

March 11, 2013

Mr. John T. Carlin
Site Vice President
Tennessee Valley Authority
P.O. Box 2000
Soddy-Daisy, TN 37384

SUBJECT: PLAN FOR THE AGING MANAGEMENT PROGRAM REGULATORY AUDIT
REGARDING THE SEQUOYAH NUCLEAR PLANT, UNITS 1 AND 2, LICENSE
RENEWAL APPLICATION REVIEW (TAC NOS. MF0481 AND MF0482)

Dear Mr. Carlin:

By letter dated January 7, 2013, Tennessee Valley Authority submitted an application for renewal of operating licenses DPR-77 and DPR-79 for the Sequoyah Nuclear Plant (SQN), Units 1 and 2. The staff of the U.S. Nuclear Regulatory Commission is reviewing this application in accordance with the guidance in NUREG-1800, "Standard Review Plan for Review of License Renewal Applications for Nuclear Power Plants."

The staff plans to conduct its aging management program regulatory audit at SQN during the weeks of March 18 and March 25, 2013, in accordance with the enclosed regulatory audit plan. If you have any questions, please contact me by telephone at 301-415-1427 or by e-mail at Richard.Plasse@nrc.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "R. Plasse", is located below the "Sincerely," text.

Richard Plasse, Project Manager
Division of License Renewal
Office of Nuclear Reactor Regulation

Docket Nos. 50-327 and 50-328

Enclosure:
Audit Plan

cc w/encl: Listserv



Audit Plan

**Aging Management Program Review
for the Sequoyah Nuclear Plant
License Renewal Application**

March 18, 2013

**Division of License Renewal
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission**

ENCLOSURE

License Renewal Aging Management Program Audit Plan Sequoyah Nuclear Plant

1. Background

By letter dated January 7, 2013, Tennessee Valley Authority (TVA or the applicant), submitted to the U.S. Nuclear Regulatory Commission (NRC or the staff) its application for renewal of operating licenses nos. DPR-77 and DPR-79, for the Sequoyah Nuclear Plant (SQN), Units 1 and 2. The applicant requested renewal of operating licenses for an additional 20 years beyond the 40-year current license terms, which expire on September 17, 2020, for Unit 1, and September 15, 2021, for Unit 2. The staff from the Division of License Renewal will lead a regulatory audit to gain a better understanding of the applicant's aging management programs (AMPs), aging management reviews, and associated bases and documentation as applicable.

2. Regulatory Audit Bases

License renewal requirements are specified in Title 10 of the *Code of Federal Regulations* (CFR) Part 54 (10 CFR Part 54), "Requirements for Renewal of Operating Licenses for Nuclear Power Plants." Guidance is provided in NUREG-1800, Rev. 2, "Standard Review Plan for Review of License Renewal Applications for Nuclear Power Plants" (SRP-LR), dated December 2010, and NUREG-1801, Rev. 2, "Generic Aging Lessons Learned (GALL) Report," dated December 2010.

3. Regulatory Audit Scope

The scope of this regulatory audit is to: (a) examine the applicant's AMPs for SQN; and (b) verify the applicant's claims of consistency with the corresponding GALL Report AMPs. Enhancements to AMPs will be evaluated on a case-by-case basis. Exceptions to the GALL Report AMP elements will be evaluated separately as part of the NRC staff's review of the license renewal application (LRA), and will be documented in the staff's Safety Evaluation Report.

The SRP-LR allows an applicant's LRA to reference its AMPs as being consistent with the AMPs described in the GALL Report. By referencing the GALL Report AMPs in this manner, the applicant is concluding that its AMPs correspond to those AMPs and that no further staff review should be required. If an applicant credits an AMP for being consistent with a GALL Report program, it is incumbent on the applicant to ensure that the plant program contains all of the elements of the referenced GALL Report program. The applicant's determination shall be documented and maintained in an auditable, retrievable form.

During this audit, the staff will audit program elements 1-6 (scope, preventive actions, parameters monitored or inspected, detection of aging effects, monitoring and trending, and acceptance criteria), and program element 10, (operating experience), of the applicant's AMPs claimed to be consistent with the GALL Report against the equivalent elements of the associated AMP described in the GALL Report, unless otherwise indicated. Program elements 7-9 (corrective actions, confirmation process, and administrative controls) are audited by another NRC project team during the scoping and screening methodology audit, and are evaluated separately. In addition, the staff will verify that the conditions at the plant are bounded by the conditions for which the GALL Report program was evaluated.

The staff will also examine the applicant's program bases documents and related references for these AMPs, perform selected in-plant walkdowns, and interview applicant representatives to obtain additional clarification related to the AMPs.

4. Information and Other Material Necessary for the Regulatory Audit

The project team will review the LRA, the AMP basis documents, and other applicant supporting documents as appropriate.

The project team would like for at least one hard-copy set of AMPs, AMP basis documents, and all other relevant documentation to be available in the team's work room.

Work space and team support logistics:

- One general team work area with seating and laptop space for the audit team.
- Break-out rooms for question/answer/small group sessions and meetings, so that work in the main room will not be disrupted.
- Telephone access for in-plant and/or outside business-related calls. The break-out rooms should also have speaker phone capability for conference calls.
- Access to printers.
- Access to a copier.

5. Team Assignments

Staff participation is projected as follows. Some deletions, additions, or substitutions may occur on an as-needed basis:

Week of March 18, 2013

Area of Review	Assigned Auditor
Project Manager	Richard Plasse Mark Yoo
Branch Chief	Bo Pham Shahram Ghesemian Dennis Morey
Mechanical	Don Brittner Alice Erickson Bart Fu Roger Kalikian Seung Min Ching Ng On Yee William Gardner James Gavula Kimberly Green William Holston Cimberly Nickell John Wise Aloysius Obodoako Christopher Hunt

Week of March 25, 2013

Area of Review	Assigned Auditor
Project Manager	Richard Plasse
Branch Chief	Michael Marshall
Structural	Abdul Sheikh
Electrical	Duc Nguyen Rui Li Booma Venkataraman

6. Logistics

The audit will be conducted at SQN during the weeks of March 18 and March 25, 2013. Entrance and exit briefings will be held at the beginning and end of this audit, respectively.

7. Special Requests

The staff requests the applicant to make available their condition report database for independent searches by the regulatory audit team.

8. Deliverables

An audit report should be issued to the applicant within 90 days from the end of the audit.

March 11, 2013

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Site Vice President
Tennessee Valley Authority
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Sincerely,

/RA/

Richard Plasse, Project Manager
Division of License Renewal
Office of Nuclear Reactor Regulation

Docket Nos. 50-327 and 50-328

Enclosure:
Audit Plan

cc w/encl: Listserv

DISTRIBUTION: See next page

ADAMS Accession Number: **ML13067A201**

***concurred via email**

OFFICE	PM:RPB1:DLR	LA:RPB2:DLR*	BC:RPB1:DLR	PM:RPB1:DLR
NAME	RPlasse (MYoo for)	IKing	DMorey (PMilano for)	RPlasse (MYoo for)
DATE	3/11/13	3/8/13	3/11/13	3/11/13

OFFICIAL RECORD COPY

Letter to J. Carlin from R. Plasse dated March 11, 2013

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