



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

March 8, 2013

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

SUBJECT: PLAN FOR THE SCOPING AND SCREENING 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 (TVA or the applicant) 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 (NRC or the staff) 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 scoping and screening regulatory audit at SQN during the weeks of March 11, 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](mailto:Richard.Plasse@nrc.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Plasse for".

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**

**Scoping and Screening Review  
for the Sequoyah Nuclear Plant  
License Renewal Application**

**March 11, 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 documentation and methodology used by TVA to identify the systems, structures, and components to be included within the scope of license renewal and subject to an aging management review, in accordance with the requirements of 10 CFR 54.4(a) for scoping and 10 CFR 54.21 for screening.

### **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 for SQN is a review of the methodology used by TVA to identify the systems, structures, and components to be included within the scope of license renewal and subject to an aging management review, in accordance with the requirements of 10 CFR 54.4(a) for scoping and 10 CFR 54.21 for screening.

### **4. Information and Other Material Necessary for the Regulatory Audit**

The project team will review the scoping and screening process as documented in the license renewal application, implementing procedures, reports, and drawings. The project team will review:

- Engineering reports and procedures which contain requirements or guidelines for the implementation of scoping and screening methodology.
- 10 CFR 54.4(a)(1) plant evaluations and implementing procedures.
- 10 CFR 54.4(a)(2) plant evaluations and implementing procedures.
- 10 CFR 54.4(a)(3) plant evaluations, implementing procedures, and any specific analyses performed.
- Description of the design basis events included in the Updated Final Safety Analysis Report (UFSAR), and all other additional events (e.g., high energy line break, fire, high

wind, earthquakes, flooding, tornadoes), which were evaluated during the scoping process.

- License renewal drawings.
- System design basis documents and system and component level scoping and screening reports for the selected systems and structures.
- Documentation of quality assurance activities associated with license renewal application development.
- Documentation of training activities associated with license renewal application development.
- Assisted access to the plant equipment database and administrative controls procedure.
- Assisted access to the corrective action and operating experience programs database.

## 5. Team Assignments

Area of Review	Assigned Auditor
Scoping and Screening	Bill Rogers
Scoping and Screening	Angela Buford
Scoping and Screening	Don Brittner
Scoping and Screening	Rui Li
Scoping and Screening	Cimberly Nickell
Scoping and Screening	Ed Smith
Scoping and Screening	Evan Davidson

## 6. Logistics

The audit will be conducted at SQN during the week of March 11, 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 8, 2013

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

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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: **ML13057A873**

**\*concurred via email**

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DATE	3/8/13	3/4/13	3/8/13	3/8/13

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Letter to J. Carlin from R. Plasse dated March 08, 2013

SUBJECT:

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