



Tennessee Valley Authority, Post Office Box 2000, Soddy Daisy, Tennessee 37384-2000

February 20, 2013

10 CFR 55.5  
10 CFR 55.49

Mr. Victor M. McCree  
U.S. Nuclear Regulatory Commission  
Marquis One Tower  
245 Peachtree Center Avenue, NE., Suite 1200  
Atlanta, Georgia 30303-1257

Attention: Mr. M. T. Widmann

Sequoyah Nuclear Plant, Units 1 and 2  
Facility Operating License Nos. DPR-77 and DPR-79  
NRC Docket Nos. 50-327 and 50-328

**Subject: Reactor Operator and Senior Reactor Operator Examination Outline**

**Reference:** Letter from NRC to TVA, "Sequoyah Nuclear Plant - Notification of Licensed Operator Initial Examination 05000327/2013301 and 05000328/2013301," dated January 10, 2013

As requested by the referenced letter, the enclosure to this letter provides the license examination operating test outline for the Sequoyah Nuclear Plant (SQN) Reactor Operator and Senior Reactor Operator operating test scheduled to be administered the weeks of May 13 and May 20, 2013. The operating test outline has been approved by an authorized SQN representative.

There are no commitments contained in this submittal. In accordance with 10 CFR 55.49 and NUREG-1021, "Operator Licensing Examination Standards for Power Reactors," appropriate measures have been taken to ensure examination integrity and security. Accordingly, it is requested that this letter and the enclosed documents be withheld from public disclosure until the examinations are completed.

TVA's principal contact regarding the license examinations is Mr. Michael Buckner, SQN Operations Training. If you have any questions, please contact Mr. Buckner at (423) 843-4208 or Mr. Tom Marshall at (423) 843-8919.

Sincerely,

A handwritten signature in black ink, appearing to read "John T. Carlin", written over a circular stamp.

John T. Carlin  
Site Vice President  
Sequoyah Nuclear Plant

**Enclosure: Reactor Operator and Senior Reactor Operator Examination Outline**

**Confidential Information - Withhold Under 10 CFR 2.390**

**ENCLOSURE**

**Tennessee Valley Authority  
Sequoyah Nuclear Plant (SQN)  
Units 1 and 2**

**Reactor Operator (RO) and Senior Reactor Operator (SRO) Examination Outline**

The following are included in this enclosure:

ES-201-2 Examination Outline Quality Checklist  
ES-201-3 Examination Security Agreement  
ES-301-1 Administrative Topics Outlines (2)  
ES-301-2 Control Room/In-Plant Systems Outlines (3)  
ES-301-5 Transient and Event Checklists (2)  
ES-D-1 Scenario Outlines (3)  
ES-401-4 Record of Rejected K/As for RO and SRO Exams



Tennessee Valley Authority, Post Office Box 2000, Soddy Daisy, Tennessee 37384-2000

March 20, 2013

10 CFR 55.5

Mr. Victor M. McCree  
U.S. Nuclear Regulatory Commission  
Marquis One Tower  
245 Peachtree Center Avenue, NE, Suite 1200  
Atlanta, Georgia 30303-1257

Attention: Mr. Malcolm T. Widmann

Sequoyah Nuclear Plant, Units 1 and 2  
Facility Operating License Nos. DPR-77 and DPR-79  
NRC Docket Nos. 50-327 and 50-328

**Subject: Reactor Operator and Senior Reactor Operator Initial Examinations**

**Reference:** Letter from NRC to TVA, "Sequoyah Nuclear Plant - Notification of  
Licensed  
Operator Initial Examination 05000327/2013301 and 05000328/2013301,"  
dated January 10, 2013

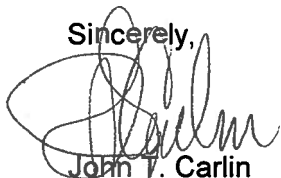
As requested by the referenced letter, the enclosure to this letter provides the information for the Tennessee Valley Authority's (TVA) Sequoyah Nuclear Plant (SQN) Reactor Operator and Senior Reactor Operator initial examinations scheduled to be administered the weeks of May 13 and 20, 2013. The written part of the examination is scheduled to be administered the week of May 20, 2013.

There are no commitments contained in this submittal. In accordance with 10 CFR 55.49 and NUREG-1021, "Operator Licensing Examination Standards for Power Reactors," appropriate measures have been taken to ensure examination integrity and security. Accordingly, it is requested that the letter and enclosed documents be withheld from public disclosure until the examinations are completed.

U.S. Nuclear Regulatory Commission  
Page 2  
March 20, 2013

TVA's principal contact regarding the license examinations is Mr. Michael Buckner, SQN Operations Training. Should you require additional information regarding this matter, please contact Mr. Buckner at (423) 843-4208 or Mr. Michael McBrearty at (423) 843 - 7170.

Sincerely,

A handwritten signature in black ink, appearing to read "John T. Carlin", written over the word "Sincerely,".

John T. Carlin  
Site Vice President  
Sequoyah Nuclear Plant

Enclosure:     Operating Examinations for Reactor Operator (RO) and Senior Reactor Operator (SRO) Candidates

**ENCLOSURE**

**TENNESSEE VALLEY AUTHORITY  
SEQUOYAH NUCLEAR PLANT  
UNITS 1 AND 2**

**OPERATING EXAMINATIONS FOR REACTOR OPERATOR (RO)  
AND SENIOR REACTOR OPERATOR (SRO) CANDIDATES**

- **Written Examination - RO and SRO Portions Including Student Reference Material and Answer Key**
- **Job Performance Measures for RO and SRO Examinations**
- **ES-D-1 - Scenario Outline (3)**
- **ES-D-2 - Required Operator Actions (3)**
- **ES-201-2 - Examination Quality Checklist**
- **ES-201-3 - Examination Security Agreement Update**
- **ES-301-1 - Administrative Topics Outline (2)**
- **ES-301-2 - Control Room/In-Plant Systems Outline (3)**
- **ES-301-3 - Operating Test Quality Checklist**
- **ES-301-4 - Simulator Scenario Quality Checklist**
- **ES-301-5 - Transient and Event Checklists (2)**
- **ES-301-6 - Competencies Checklist**
- **ES-401- 4 - Record of rejected K/A**
- **ES-401-6 - Written Examination Quality Checklist**
- **Requested reference materials referenced in ES-201, Attachment 3, as agreed with the Chief Examiner**



Tennessee Valley Authority, Post Office Box 2000, Soddy Daisy, Tennessee 37384-2000

May 6, 2013

10 CFR 55.5

Mr. Victor M. McCree  
U.S. Nuclear Regulatory Commission  
Marquis One Tower  
245 Peachtree Center Avenue, NE, Suite 1200  
Atlanta, Georgia 30303-1257

Attention: Mr. Malcolm T. Widmann

Sequoyah Nuclear Plant, Units 1 and 2  
Facility Operating License Nos. DPR-77 and DPR-79  
NRC Docket Nos. 50-327 and 50-328

Subject: **Updated Reactor Operator and Senior Reactor Operator Initial Examinations**

Reference: 1. Letter to NRC from TVA, "Reactor Operator and Senior Reactor Operator Initial Examinations," dated March 20, 2013  
  
2. Letter from NRC to TVA, "Sequoyah Nuclear Plant - Notification of Licensed Operator Initial Examination 05000327/2013301 and 05000328/2013301," dated January 10, 2013

As requested by the NRC Region II Chief Examiner, this submittal contains updated information for the scheduled examinations, and replaces in entirety information submitted in reference 1.

Reference 2 requested information for the Tennessee Valley Authority's (TVA) Sequoyah Nuclear Plant (SQN) Reactor Operator and Senior Reactor Operator initial examinations scheduled to be administered the weeks of May 13 and 20, 2013. The written part of the examination is scheduled to be administered the week of May 20, 2013.

There are no commitments contained in this submittal. In accordance with 10 CFR 55.49 and NUREG-1021, "Operator Licensing Examination Standards for Power Reactors," appropriate measures have been taken to ensure examination integrity and security. Accordingly, it is requested that the letter and enclosed documents be withheld from public disclosure until the examinations are completed.

U.S. Nuclear Regulatory Commission  
Page 2  
May 6, 2013

TVA's principal contact regarding the license examinations is Mr. Michael Buckner, SQN Operations Training. Should you require additional information regarding this matter, please contact Mr. Buckner at (423) 843-4208 or Mr. Michael McBrearty at (423) 843-7170.

Sincerely,

A handwritten signature in black ink, appearing to read 'John T. Carlin', with a stylized flourish at the end.

John T. Carlin  
Site Vice President  
Sequoyah Nuclear Plant

Enclosure: Updated Operating Examinations for Reactor Operator (RO) and Senior Reactor Operator (SRO) Candidates

U.S. Nuclear Regulatory Commission  
Page 3  
May 6, 2013

JTJ: SKD

Enclosure

bcc: (w/o Enclosure):

G. M. Cook  
S. M. Connors  
S. M. Douglas  
C. D. Hawes  
H. Lee  
M. W. McBrearty  
J. W. Shea  
P. R. Simmons  
K. Smith  
EDMS

**The information contained within this document is the Property of the Tennessee Valley Authority and has been determined to be sensitive. Any further distribution of its contents will be on a need to know basis only as determined by the originator of the document or the recipient.**

**S E N S I T I V E I N F O R M A T I O N**



**ENCLOSURE**

**TENNESSEE VALLEY AUTHORITY  
SEQUOYAH NUCLEAR PLANT  
UNITS 1 AND 2**

**UPDATED OPERATING EXAMINATIONS FOR REACTOR OPERATOR (RO)  
AND SENIOR REACTOR OPERATOR (SRO) CANDIDATES**

- **ES-201-2 - Examination Quality Checklist**
- **ES-201-3 - Examination Security Agreement Update**
- **Final Job Performance Measures and Scenarios**
- **ES-301-1 - Administrative Topics Outline**
- **ES-301-2 - Control Room/In-Plant Systems Outline**
- **ES-301-3 - Operating Test Quality Checklist**
- **ES-301-4 - Simulator Scenario Quality Checklist**
- **ES-301-5 - Transient and Event Checklists**
- **ES-301-6 - Competencies Checklist**
- **ES-D1 - Scenario Outline (3)**



Tennessee Valley Authority, Post Office Box 2000, Soddy Daisy, Tennessee 37384-2000

May 16, 2013

10 CFR 55.5

Mr. Victor M. McCree  
U.S. Nuclear Regulatory Commission  
Marquis One Tower  
245 Peachtree Center Avenue, NE., Suite 1200  
Atlanta, Georgia 30303-1257

Attention: Mr. Malcolm T. Widmann

Sequoyah Nuclear Plant, Units 1 and 2  
Facility Operating License Nos. DPR-77 and DPR-79  
NRC Docket Nos. 50-327 and 50-328

Subject: **Updated Reactor Operator and Senior Reactor Operator Initial Examinations**

Reference: 1. Letter to NRC from TVA, "Updated Reactor Operator and Senior Reactor Operator Initial Examinations," dated May 6, 2013

2. Letter to NRC from TVA, "Reactor Operator and Senior Reactor Operator Initial Examinations," dated March 20, 2013

3. Letter from NRC to TVA, "Sequoyah Nuclear Plant - Notification of Licensed Operator Initial Examination 05000327/2013301 and 05000328/2013301," dated January 10, 2013

As requested by the NRC Region II Chief Examiner, this submittal contains updated information for the scheduled examinations, and supplements information submitted in Reference 1, specifically the written examination.

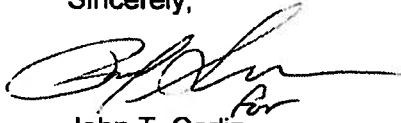
Reference 3 requested information for the Tennessee Valley Authority's (TVA) Sequoyah Nuclear Plant (SQN) Reactor Operator and Senior Reactor Operator initial examinations scheduled to be administered the weeks of May 13 and 20, 2013. The written portion of the examination is scheduled to be administered the week of May 20, 2013. Initial information was provided to the NRC in Reference 2.

There are no commitments contained in this submittal. In accordance with 10 CFR 55.49 and NUREG-1021, "Operator Licensing Examination Standards for Power Reactors," appropriate measures have been taken to ensure examination integrity and security. Accordingly, it is requested that the letter and enclosed documents be withheld from public disclosure until the examinations are completed.

U.S. Nuclear Regulatory Commission  
Page 2  
May 16, 2013

TVA's principal contact regarding the license examinations is Mr. Michael Buckner, SQN Operations Training. Should you require additional information regarding this matter, please contact Mr. Buckner at (423) 843-4208 or Mr. Michael McBrearty, SQN Licensing Manager at (423) 843-7170.

Sincerely,

A handwritten signature in black ink, appearing to read "John T. Carlin".

John T. Carlin  
Site Vice President  
Sequoyah Nuclear Plant

Enclosure: Updated Operating Examinations for Reactor Operator (RO) and Senior  
Reactor Operator (SRO) Candidates

U.S. Nuclear Regulatory Commission  
Page 3  
May 16, 2013

JTJ: SKD  
Enclosure  
bcc: (w/o Enclosure):  
    G. M. Cook  
    S. M. Connors  
    S. M. Douglas  
    C. D. Hawes  
    H. Lee  
    M. W. McBrearty  
    J. W. Shea  
    P. R. Simmons  
    K. Smith  
    EDMS

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**S E N S I T I V E I N F O R M A T I O N**

**ENCLOSURE**

**TENNESSEE VALLEY AUTHORITY  
SEQUOYAH NUCLEAR PLANT  
UNITS 1 AND 2**

**UPDATED OPERATING EXAMINATIONS FOR REACTOR OPERATOR (RO)  
AND SENIOR REACTOR OPERATOR (SRO) CANDIDATES**

- **Written Examination - RO and SRO Portions Including Student Reference Material and Answer Key**

**Personally Identifiable Information - Withhold Under 10 CFR 2.390**



Tennessee Valley Authority, Post Office Box 2000, Soddy Daisy, Tennessee 37384-2000

May 30, 2013

10 CFR 55.40

Mr. Malcolm Widmann, Chief Branch 1  
U.S. Nuclear Regulatory Commission  
Marquis One Tower  
245 Peachtree Center Avenue, NE., Suite 1200  
Atlanta, Georgia 30303-1257

Sequoyah Nuclear Plant, Units 1 and 2  
Facility Operating License Nos. DPR-77 and DPR-79  
NRC Docket Nos. 50-327 and 50-328

**Subject: Reactor Operator and Senior Reactor Operator Initial Examinations -  
Post Examination Documentation**

**Reference:** NRC letter to TVA, "Operator Licensing Written Examination Approval  
05000327/2013301 and 05000328/2013301," dated May 22, 2013

As authorized by the referenced letter, the Tennessee Valley Authority (TVA) administered a written examination to a group of licensed operator applicants on May 23, 2013. In accordance with Examination Standard (ES) 501, "Initial Post-Examination Activities," of NUREG-1021, "Operator Licensing Examination Standards for Power Reactors," the enclosures to this letter provide information related to the examination as listed:

Enclosure 1 - the graded written examinations (i.e., each applicant's original answer and examination cover sheets) plus a clean copy of each applicant's answer sheet (ES-403, "Grading Initial Site-Specific Written Examinations").

Enclosure 2 - the master examination(s) and answer key(s), annotated to indicate any changes made while administering and grading the examination(s) (ES-402, "Administering Initial Written Examinations," and ES-403).

Enclosure 3 - any questions asked by and answers given to the applicants during the written examination (ES-402).

U.S. Nuclear Regulatory Commission  
Page 2  
May 30, 2013

Enclosure 4 - any substantive comments made by the applicants following the written examination, with an explanation concerning why the comment was accepted or rejected (ES-402).

Enclosure 5 - the written examination seating chart (ES-402).

Enclosure 6 - completed Form ES-403-1, "Written Examination Grading Quality Checklist" (ES-403 and Section D.1).

Enclosure 7 - the results of any written examination performance analysis that was performed, with recommended substantive changes (ES-403).

Enclosure 8 - original Form(s) ES-201-3, "Examination Security Agreement," with a pre- and post-examination signature by every individual who had detailed knowledge of any part of the operating tests or written examination before they were administered.

Because of the administratively confidential nature of the enclosed material, it is requested that the information contained in the enclosures be withheld from public disclosure in accordance with 10 CFR 2.390(a)(6). There are no commitments contained in this submittal. TVA's principal contact regarding Operations Training matters is Michael Buckner. Should you require additional information regarding this matter, please contact Mr. Buckner at (423) 843-4208 or contact Michael McBrearty, Site Licensing Manager at (423) 843-7170.

Sincerely,

A handwritten signature in black ink, appearing to read "John T. Carlin", with a stylized flourish at the end.

John T. Carlin  
Site Vice-President  
Sequoyah Nuclear Plant

U.S. Nuclear Regulatory Commission  
Page 3  
May 30, 2013

JTJ: SKD

Enclosure

bcc: (w/o Enclosure):

G. M. Cook

S. M. Connors

S. M. Douglas

C. D. Hawes

H. Lee

M. W. McBrearty

J. W. Shea

P. R. Simmons

K. Smith (with enclosures)

EDMS