



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**  
REGION II  
245 PEACHTREE CENTER AVENUE NE, SUITE 1200  
ATLANTA, GEORGIA 30303-1257

March 4, 2011

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

**SUBJECT: ANNUAL ASSESSMENT LETTER FOR SEQUOYAH NUCLEAR PLANT UNITS  
1 AND 2 (REPORT 05000327/2011001 AND 05000328/2011001)**

Dear Mr.Krich:

On February 10, 2011, the NRC completed its end-of-cycle performance review of the Sequoyah Nuclear Plant. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from January 1, 2010, through December 31, 2010. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility. This performance review and enclosed inspection plan do not include security information. A separate letter will include the NRC's assessment of your performance in the Security Cornerstone and its security-related inspection plan.

The NRC determined that overall, Sequoyah Units 1 and 2 operated in a manner that preserved public health and safety and met all cornerstone objectives. The NRC determined the performance at Sequoyah Units 1 and 2 during the most recent quarter was within the Licensee Response Column of the NRC's Reactor Oversight Process (ROP) Action Matrix because all inspection findings had very low (i.e., green) safety significance, and all PIs indicated that your performance was within the nominal, expected range (i.e., green). Therefore, the NRC plans to conduct ROP baseline inspections at your facility

The enclosed inspection plan lists the inspections scheduled through June 30, 2012. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last nine months of the inspection plan are tentative and may be revised at the mid-cycle performance review. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes. We also plan on conducting an initial license exam at your facility in January, 2012.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter 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).

If circumstances arise which cause us to change this inspection plan, we will contact you to discuss the change as soon as possible. Please contact me at 404-997-4662 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

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Eugene F. Guthrie, Chief  
Reactor Projects Branch 6  
Division of Reactor Projects

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

Enclosure: Sequoyah Inspection/Activity Plan

cc w/encl: (See page 3)

cc w/encl:  
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Ann Harris  
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## Sequoyah

## Inspection / Activity Plan

03/01/2011 - 06/30/2012

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
1	04/11/2011	04/12/2011	<b>OL EXAM - INITIAL RETAKE EXAM WEEK</b> V23385	SEQUOYAH/APRIL 2011 RETAKE EXAM	1
2	05/09/2011	05/13/2011	<b>EB3 ISI - UNIT 2 INSERVICE INSPECTION</b> IP 7111108P	Inservice Inspection Activities - PWR	1
2	05/09/2011	05/13/2011	<b>EB3SGISI - UNIT 2 SG INSERVICE INSPECTION</b> IP 7111108P	Inservice Inspection Activities - PWR	1
1, 2	05/09/2011	05/13/2011	<b>PSB1-RP - RP RADIOLOGICAL HAZARD ASSESSMENT</b> IP 71124.01	Radiological Hazard Assessment and Exposure Controls	1
1, 2	08/01/2011	08/05/2011	<b>PI&amp;R - PROBLEM IDENTIFICATION AND RESOLUTION</b> IP 71152B	Identification and Resolution of Problems	5
1, 2	08/15/2011	08/19/2011	IP 71152B	Identification and Resolution of Problems	
1, 2	09/12/2011	09/16/2011	<b>PSB1-RP - RP PUBLIC RADIATION PROTECTION INSP</b> IP 71124.04	Occupational Dose Assessment	5
1, 2	09/12/2011	09/16/2011	IP 71124.05	Radiation Monitoring Instrumentation	
1, 2	09/12/2011	09/16/2011	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
1, 2	09/12/2011	09/16/2011	IP 71124.07	Radiological Environmental Monitoring Program	
1, 2	09/12/2011	09/16/2011	IP 71151	Performance Indicator Verification	
1, 2	11/14/2011	11/18/2011	<b>PSB1EP - EMERGENCY PREPAREDNESS INSPECTION</b> IP 7111402	Alert and Notification System Testing	1
1, 2	11/14/2011	11/18/2011	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1, 2	11/14/2011	11/18/2011	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1, 2	11/14/2011	11/18/2011	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1, 2	11/14/2011	11/18/2011	IP 71151	Performance Indicator Verification	
1	12/19/2011	12/23/2011	<b>OL EXAM - INITIAL EXAM PREP</b> V23354	SEQUOYAH/JANUARY 2012 EXAM AT POWER FACILITIES	6
1	01/16/2012	01/20/2012	<b>OL EXAM - INITIAL EXAM - WEEK 1</b> V23354	SEQUOYAH/JANUARY 2012 EXAM AT POWER FACILITIES	6
1, 2	01/16/2012	01/20/2012	<b>MODS - MODIFICATIONS INSPECTION</b> IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	3
1, 2	01/30/2012	02/03/2012	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
1	01/23/2012	01/27/2012	<b>OL EXAM - INITIAL EXAM - WEEK 2</b> V23354	SEQUOYAH/JANUARY 2012 EXAM AT POWER FACILITIES	4
1	03/05/2012	03/09/2012	<b>EB3 ISI - UNIT 1 INSERVICE INSPECTION</b> IP 7111108P	Inservice Inspection Activities - PWR	1

This report does not include INPO and OUTAGE activities.

This report shows only on-site and announced inspection procedures.

Sequoyah

Inspection / Activity Plan

03/01/2011 - 06/30/2012

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
1	03/12/2012 03/16/2012	EB3SGISI - UNIT 1 SG INSERVICE INSPECTION IP 7111108P	Inservice Inspection Activities - PWR	1

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 This report shows only on-site and announced inspection procedures.