



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION II**

245 PEACHTREE CENTER AVENUE NE, SUITE 1200  
ATLANTA, GEORGIA 30303-1257

August 29, 2018

Mr. Joseph W. Shea  
Vice President, Nuclear Regulatory Affairs  
and Support Services  
Tennessee Valley Authority  
1101 Market Street, LP 4A  
Chattanooga, TN 37402-2801

**SUBJECT: ASSESSMENT FOLLOWUP LETTER AND UPDATED INSPECTION PLAN FOR  
SEQUOYAH NUCLEAR PLANT UNITS 1 AND 2 (REPORT 05000327,  
05000328/2018005)**

Dear Mr. Shea:

As a result of our quarterly review of plant performance, which was completed on August 1, 2018, the U.S. Nuclear Regulatory Commission (NRC) updated its assessment of Sequoyah Nuclear Plant, Units 1 and 2. The NRC's evaluation consisted of a review of performance indicators and inspection results. This letter informs you of the NRC's assessment of your facility. This letter supplements, but does not supersede, the annual assessment letter issued on February 28, 2018 (Agencywide Documents Access and Management System (ADAMS), Accession No. ML18059A143).

On May 3, 2018, the NRC completed a review of your corrective actions for the greater-than-green inspection finding in the Security cornerstone, using Inspection Procedure 95001, "Supplemental Inspection for One or Two White Inputs in a Strategic Performance Area." Based on the results of this inspection, the NRC has concluded that you have adequately completed a root cause analysis of the issue, and have identified appropriate corrective actions to prevent recurrence of the issue. No findings were identified concerning the root cause evaluation and corrective actions. The NRC's inspection was documented in NRC inspection report (IR) 05000327, 328/2018440, which is publically available in ADAMS, Accession No. ML18123A121.

After reviewing Sequoyah Nuclear Plant's performance in addressing the greater-than-Green inspection finding subject of this Inspection Procedure 95001, "Supplemental Inspection for One or Two White Inputs in a Strategic Performance Area," the NRC concluded your actions met the objectives of this inspection procedure. Therefore, in accordance with the guidance in Inspection Manual Chapter (IMC) 0305, "Operating Reactor Assessment Program," the greater-than-green finding will only be considered in assessing plant performance for a total of four quarters. As a result, the NRC determined the performance at Sequoyah Nuclear Plant, Units 1 and 2, to be in the Licensee Response Column (Column 1) of the ROP Action Matrix as of July 1, 2018.

The enclosed inspection plan lists the inspections scheduled through June 30, 2020, for the Sequoyah Nuclear Plant. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last twelve months of the inspection plan are tentative and may be revised. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes.

In addition to the ROP baseline inspections at your facility, we also plan to conduct Initial License Examinations, Unit 2 Post-Approval License Renewal Phase 1, and Units 1 and 2 Post-Approval License Renewal Phase 2.

This letter, its enclosure, and your response (if any) will be made available for public inspection and copying at <http://www.nrc.gov/reading-rm/adams.html> and at the NRC Public Document Room in accordance with 10 CFR 2.390, "Public Inspections, Exemptions, and Requests for Withholding."

Please contact me at (404) 997-4465 with any questions you may have regarding this letter.

Sincerely,

**/RA/**

Anthony D. Masters, Chief  
Reactor Projects Branch 5  
Division of Reactor Projects

Docket Nos.: 05000327, 05000328

License Nos.: DPR-77, DPR-79

Enclosure:  
Sequoyah Inspection/Activity Plan  
(09/01/2018- 06/30/2020)

cc Distribution via ListServ

J. Shea

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SUBJECT: ASSESSMENT FOLLOWUP LETTER AND UPDATED INSPECTION PLAN FOR  
SEQUOYAH NUCLEAR PLANT UNITS 1 AND 2 (REPORT 05000327,  
05000328/2018005) August 29, 2018

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**ADAMS Accession No. ML18241A073**

OFFICE	RII/DRP	RII/DRP	RII/DRP	RII/DRP	
NAME	SNinh	AWilson	DHardage /RA WXD1 for/	AMasters	
DATE	8/18/2018	8/27/2018	8/21/2018	8/28/2018	

**OFFICIAL AGENCY RECORD**

# IP 22 Inspection Activity Plan Report

## Sequoyah

09/01/2018 - 06/30/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>SEQUOYAH REQUAL INSPECTION</b>						2
1, 2	10/08/2018	10/12/2018	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance (Biennial)	
<b>UNIT 2 POST-APPROVAL LR PHASE 1</b>						2
2	11/12/2018	11/16/2018	IP 71003	000687	Post-Approval Site Inspection for License Renewal	
<b>UNIT 2 SG IN-SERVICE INSPECTION</b>						1
2	11/12/2018	11/16/2018	IP 71111.08P	000702	Inservice Inspection Activities - PWR	
<b>UNIT 2 IN-SERVICE INSPECTION</b>						1
2	11/12/2018	11/16/2018	IP 71111.08P	000702	Inservice Inspection Activities - PWR	
<b>RP OCCUPATIONAL RAD SAFETY BASELINE INSPECTION - WEEK 1</b>						3
1, 2	11/12/2018	11/16/2018	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	11/12/2018	11/16/2018	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1, 2	11/12/2018	11/16/2018	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	11/12/2018	11/16/2018	IP 71124.04	000728	Occupational Dose Assessment	
1, 2	11/12/2018	11/16/2018	IP 71124.05	000729	Radiation Monitoring Instrumentation	
<b>RP OCCUPATIONAL RAD SAFETY BASELINE INSPECTION - WEEK 2</b>						2
1, 2	11/26/2018	11/30/2018	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	11/26/2018	11/30/2018	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1, 2	11/26/2018	11/30/2018	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	11/26/2018	11/30/2018	IP 71124.04	000728	Occupational Dose Assessment	
1, 2	11/26/2018	11/30/2018	IP 71124.05	000729	Radiation Monitoring Instrumentation	
<b>DESIGN BASES ASSURANCE INSPECTION (TEAM)</b>						6
1, 2	01/28/2019	02/01/2019	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
1, 2	02/25/2019	03/01/2019	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
1, 2	03/11/2019	03/15/2019	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
<b>SECURITY BASELINE INSPECTION</b>						3
1, 2	01/28/2019	02/01/2019	IP 71130.02	000734	Access Control	
1, 2	01/28/2019	02/01/2019	IP 71130.05	000737	Protective Strategy Evaluation	
1, 2	01/28/2019	02/01/2019	IP 71151	001338	Performance Indicator Verification	

This report does not include INPO and OUTAGE activities.

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

# IP 22 Inspection Activity Plan Report

## Sequoyah

09/01/2018 - 06/30/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>SECURITY BASELINE INSPECTION</b>						2
1, 2	04/01/2019	04/05/2019	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
1, 2	04/01/2019	04/05/2019	IP 71130.07	000739	Security Training	
<b>PROBLEM IDENTIFICATION AND RESOLUTION</b>						2
1, 2	06/03/2019	06/07/2019	IP 71152B	000747	Problem Identification and Resolution	
1, 2	06/17/2019	06/21/2019	IP 71152B	000747	Problem Identification and Resolution	
<b>RP PUBLIC RAD SAFETY BASELINE INSPECTION</b>						2
1, 2	07/15/2019	07/19/2019	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
1, 2	07/15/2019	07/19/2019	IP 71124.07	000731	Radiological Environmental Monitoring Program	
<b>RP OCCUPATIONAL RAD SAFETY RAD HAZARDS &amp; TRANSPORTATION BASELINE INSPECTION</b>						2
1, 2	10/07/2019	10/11/2019	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	10/07/2019	10/11/2019	IP 71124.08	000732	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
<b>UNIT 1 IN-SERVICE INSPECTION</b>						1
1	10/14/2019	10/18/2019	IP 71111.08P	000702	Inservice Inspection Activities - PWR	
<b>UNIT 1 SG IN-SERVICE INSPECTION</b>						1
1	10/14/2019	10/18/2019	IP 71111.08P	000702	Inservice Inspection Activities - PWR	
<b>EMERGENCY PREPAREDNESS PROGRAM INSPECTION</b>						2
1, 2	12/09/2019	12/13/2019	IP 71114.02	000717	Alert and Notification System Testing	
1, 2	12/09/2019	12/13/2019	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
1, 2	12/09/2019	12/13/2019	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1, 2	12/09/2019	12/13/2019	IP 71114.05	000720	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1, 2	12/09/2019	12/13/2019	IP 71151	001397	Performance Indicator Verification	
<b>TVA CORPORATE OFFICE FFD/AA/SGI INSPECTION</b>						2
1, 2	01/06/2020	01/10/2020	IP 71130.01	000733	Access Authorization	
1, 2	01/06/2020	01/10/2020	IP 71130.06	000738	Protection of Safeguards Information	
1, 2	01/06/2020	01/10/2020	IP 71130.08	000740	Fitness For Duty Program	
<b>SEQUOYAH INITIAL LICENSE EXAM</b>						5
1, 2	01/13/2020	01/17/2020	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	

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## Sequoyah

09/01/2018 - 06/30/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>SEQUOYAH INITIAL LICENSE EXAM</b>						5
1, 2	02/17/2020	03/06/2020	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
<b>POST-APPROVAL LR PHASE 2</b>						5
1, 2	01/20/2020	01/24/2020	IP 71003	000687	Post-Approval Site Inspection for License Renewal	
1, 2	02/03/2020	02/07/2020	IP 71003	000687	Post-Approval Site Inspection for License Renewal	
<b>SECURITY BASELINE INSPECTION</b>						2
1, 2	01/27/2020	01/31/2020	IP 71130.01	000733	Access Authorization	
1, 2	01/27/2020	01/31/2020	IP 71130.02	000734	Access Control	
1, 2	01/27/2020	01/31/2020	IP 71130.06	000738	Protection of Safeguards Information	
1, 2	01/27/2020	01/31/2020	IP 71130.08	000740	Fitness For Duty Program	
1, 2	01/27/2020	01/31/2020	IP 71151	001338	Performance Indicator Verification	
<b>DESIGN BASES ASSURANCE INSPECTION (PROGRAM)</b>						3
1, 2	02/24/2020	02/28/2020	IP 71111.21N	000714	Design Bases Assurance Inspection (Programs)	
1, 2	03/09/2020	03/13/2020	IP 71111.21N	000714	Design Bases Assurance Inspection (Programs)	
<b>RP OCCUPATIONAL RAD SAFETY BASELINE INSPECTION - WEEK 1</b>						2
1, 2	04/20/2020	04/24/2020	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	04/20/2020	04/24/2020	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1, 2	04/20/2020	04/24/2020	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	04/20/2020	04/24/2020	IP 71124.04	000729	Occupational Dose Assessment	
1, 2	04/20/2020	04/24/2020	IP 71124.05	000729	Radiation Monitoring Instrumentation	
<b>UNIT 2 IN-SERVICE/SG IN-SERVICE INSPECTION</b>						2
2	04/27/2020	05/01/2020	IP 71111.08P	000702	Inservice Inspection Activities - PWR	
<b>RP OCCUPATIONAL RAD SAFETY BASELINE INSPECTION - WEEK 2</b>						3
1, 2	05/11/2020	05/15/2020	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1, 2	05/11/2020	05/15/2020	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1, 2	05/11/2020	05/15/2020	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	05/11/2020	05/15/2020	IP 71124.04	000729	Occupational Dose Assessment	
1, 2	05/11/2020	05/15/2020	IP 71124.05	000729	Radiation Monitoring Instrumentation	

# IP 22 Inspection Activity Plan Report

## Sequoyah

09/01/2018 - 06/30/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>TRIENNIAL FIRE PROTECTION INSPECTION</b>						4
1, 2	06/08/2020	06/12/2020	IP 71111.05T	000696	Fire Protection (Triennial)	
1, 2	06/22/2020	06/26/2020	IP 71111.05T	000696	Fire Protection (Triennial)	