



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
REGION II
245 PEACHTREE CENTER AVENUE N.E., SUITE 1200
ATLANTA, GEORGIA 30303-1200

March 12, 2024

James Barstow, Vice President
Nuclear Regulatory Affairs and
Support Services
Tennessee Valley Authority
1101 Market Street
LP 4A-C
Chattanooga, TN 37402

SUBJECT: SEQUOYAH, UNITS 1 AND 2 – SECURITY BASELINE INSPECTION REPORT
05000327/2024401 AND 05000328/2024401

Dear James Barstow:

On March 7, 2024, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Sequoyah, Units 1 and 2 and discussed the results of this inspection with Thomas F. Marshall and other members of your staff. The results of this inspection are documented in the enclosed report.

No findings or violations of more than minor significance were identified during this inspection.

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 Title 10 of the *Code of Federal Regulations* 2.390, "Public Inspections, Exemptions, Requests for Withholding."

Sincerely,

A handwritten signature in cursive script that reads "Jannette Worosilo".

Signed by Worosilo, Jannette
on 03/12/24

Jannette G. Worosilo, Chief
Plant Support Branch
Division of Reactor Safety

Docket Nos. 05000327 and 05000328
License Nos. DPR-77 and DPR-79

Enclosure:
As stated

cc w/ encl: Distribution via LISTSERV

SUBJECT: SEQUOYAH, UNITS 1 AND 2 – SECURITY BASELINE INSPECTION REPORT
05000327/2024401 AND 05000328/2024401 – DATED MARCH 12, 2024

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NAME	R. Womack	J. Worosilo			
DATE	3/12/2024	3/12/2024			

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**U.S. NUCLEAR REGULATORY COMMISSION
Inspection Report**

Docket Numbers: 05000327 and 05000328

License Numbers: DPR-77 and DPR-79

Report Numbers: 05000327/2024401 and 05000328/2024401

Enterprise Identifier: I-2024-401-0046

Licensee: Tennessee Valley Authority

Facility: Sequoyah, Units 1 and 2

Location: Soddy Daisy, TN

Inspection Dates: March 4 to March 7, 2024

Inspectors: R. Womack, Senior Physical Security Inspector

Approved By: Jannette G. Worosilo, Chief
Plant Support Branch
Division of Reactor Safety

Enclosure

SUMMARY

The U.S. Nuclear Regulatory Commission (NRC) continued monitoring the licensee's performance by conducting a security baseline inspection at Sequoyah, Units 1 and 2, in accordance with the Reactor Oversight Process. The Reactor Oversight Process is the NRC's program for overseeing the safe operation of commercial nuclear power reactors. Refer to <https://www.nrc.gov/reactors/operating/oversight.html> for more information.

List of Findings and Violations

No findings or violations of more than minor significance were identified.

Additional Tracking Items

Type	Issue Number	Title	Report Section	Status
LER	05000327,05000328/2023-S002-00	LER 2023-S-02-00, Sequoyah Nuclear Plant, Units 1 and 2 - Temporary Suspension of Security Measures Due to Tornado Warning	71153	Closed

INSPECTION SCOPES

Inspections were conducted using the appropriate portions of the inspection procedures (IPs) in effect at the beginning of the inspection unless otherwise noted. Currently approved IPs with their attached revision histories are located on the public website at <http://www.nrc.gov/reading-rm/doc-collections/insp-manual/inspection-procedure/index.html>. Samples were declared complete when the IP requirements most appropriate to the inspection activity were met consistent with Inspection Manual Chapter (IMC) 2201, "Security Inspection Program for Commercial Nuclear Power Reactors." The inspectors reviewed selected procedures and records, observed activities, and interviewed personnel to assess licensee performance and compliance with Commission rules and regulations, license conditions, site procedures, and standards.

SAFEGUARDS

71130.02 - Access Control

The inspectors evaluated the access control program through completion of the following inspection elements:

Access Control (1 Sample)

- (1) Tier I: All Requirements
Tier II: 02.06 a., d.; 02.08 a., d.-f., h., i.
Tier III: 02.09

71130.09 - Security Plan Changes

The inspectors evaluated the security plan changes through completion of the following procedure elements:

Security Plan Changes (1 Partial)

- (1) (Partial)
The opportunity to apply this procedure was not available in accordance with IMC 0306. This sample was not available because the licensee did not conduct the activity covered by this IP. Specifically, the licensee has not initiated a physical security plan change in accordance with 10 CFR 50.54(p)(2) since the last performance of this IP.

OTHER ACTIVITIES – BASELINE

71151 - Performance Indicator Verification

The inspectors verified licensee performance indicators submittals listed below:

PP01: Protected Area Security Equipment Performance Index Sample (IP Section 02.17) (1 Sample)

- (1) Unit 1: February 1, 2023, through February 29, 2024
Unit 2: February 1, 2023, through February 29, 2024

71153 - Follow Up of Events and Notices of Enforcement Discretion

The inspectors evaluated the following licensee event report (LER)

Follow Up of Events and Notices of Enforcement Discretion (1 Sample)

- (1) LER 50-327 and 328/2023-S02-00, "Temporary Suspension of Security Measures Due to Tornado Warning," ADAMS accession: ML23143A341

The inspectors determined that the cause of the condition described in the LER was not reasonably within the licensee's ability to foresee and correct and therefore was not reasonably preventable. No performance deficiency nor violation of NRC requirements was identified

INSPECTION RESULTS

No findings were identified.

EXIT MEETINGS AND DEBRIEFS

The inspectors verified no proprietary information was retained or documented in this report.

- On March 7, 2024, the inspectors presented the security baseline inspection results to Thomas F. Marshall and other members of the licensee staff.

DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71130.02	Corrective Action Documents	1891339		11/13/2023
		1893558		11/29/2023
		1914482		03/06/2024
	Corrective Action Documents Resulting from Inspection	1914606		03/06/2024
		1914619		03/04/2024
		1914886		03/06/2024
		1914892		03/06/2024
	Miscellaneous	1915190		03/06/2024
		23-01-021	Safeguards Event Report	03/16/2023
		23-02-032	Safeguards Event Report	04/05/2023
		23-02-038	Safeguards Event Report	05/22/2023
		23-04-070	Safeguards Event Report	11/13/2023
		24-01-012	Safeguards Event Report	01/31/2024
		TVA 42015	Vehicle Search Review/Audit	January 2024
	Procedures	TVA 42015	Vehicle Search Review/Audit	February 2024
		NPG-SPP-22.201	Oversight of the Human Performance Program	Revision 14
		NSDP-4	Security Organization, Expectations and Standards	Revision 27
		NSDP-7.1	Security Shift Supervision	Revision 4
		NSDP-7.6	Personnel Access Control	Revision 6
		NSDP-7.6	Personnel Access Control	Revision 5
NSDP-7.7		Vehicle Access Control	Revision 7	
Self-Assessments	NSDP-8	Keys and Locks	Revision 9	
L17 231120 800	Audit Report SSA2308: Physical Security, Contingency Plan, and Safeguards Information - Sequoyah Nuclear Plant (SQN)	11/27/2023		
71151	Miscellaneous	PP01 - Protected Area Security Equipment	PI Summary Report	February 2023 through February 2024
	Procedures	NSDP-29	Tracking and Trending and NRC Performance Indicators	Revision 11

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
	Self-Assessments	1903776	IP 71151 Performance Indicator Verification, IP 71130.02 Access Control, IP 71130.09 Security Plan Changes NRC Pre-Inspection Self-Assessment	02/14/2024
71153	Miscellaneous	23-02-030	Safeguards Event Report	04/01/2023
		NSDP-7.5-3	TVA 41945, Severe Weather Warning Checklist	04/01/2023
		OPDP-1	SQN Unit 1 Operations Log - Day Shift	04/01/2023
	Procedures	AOP-N.02	Tornado Watch / Warning	Revision 46
		NSDP-7.5	Special Situations Affecting Security	Revision 4