



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

November 2, 2021

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

SUBJECT: WATTS BAR NUCLEAR STATION – SECURITY BASELINE INSPECTION
REPORT 05000390/2021402 AND 05000391/2021402

Dear Mr. Barstow:

On October 15, 2021, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Watts Bar Nuclear Station. On October 19, 2021, the NRC inspectors discussed the results of this inspection with you 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,

/RA/

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

Docket Nos. 05000390 and 05000391
License Nos. NPF-90 and NPF-96

Enclosure:
As stated

cc w/ encl: Distribution via LISTSERV®

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 REPORT 05000390/2021402 AND 05000391/2021402 –
 DATED November 2, 2021

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| OFFICE | RII/DRS | RII/DRS | | | |
| NAME | J. Wallo | J. Tornow | J. Worosilo | | |
| DATE | 10/28/2021 | 10/28/2021 | 11/02/2021 | | |

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

Docket Numbers: 05000390 and 05000391

License Numbers: NPF-90 and NPF-96

Report Numbers: 05000390/2021402 and 05000391/2021402

Enterprise Identifier: I-2021-402-0071

Licensee: Tennessee Valley Authority

Facility: Watts Bar Nuclear Station

Location: Spring City, TN

Inspection Dates: October 12, 2021 to October 19, 2021

Inspectors: J. Wallo, Senior Physical Security Inspector
J. Tornow, 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 Watts Bar Nuclear Station, 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

None.

INSPECTION SCOPES

Unless otherwise noted, baseline security inspections were conducted in accordance with the appropriate portions of the inspection procedures (IPs) in effect at the beginning of the inspection. Samples were declared complete when the IP requirements most appropriate to the inspection activity were met consistent with Inspection Manual Chapter 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. Publicly available IPs are located at: <http://www.nrc.gov/reading-rm/doc-collections/insp-manual/inspection-procedure/index.html>.

SAFEGUARDS

71130.05 - Protective Strategy Evaluation

The inspectors evaluated the licensee's protective strategy through completion of the following procedure elements:

Protective Strategy Evaluation (2 Samples)

- (1) Tier I: All Requirements
Tier II: 14 Requirements (02.05 a, 02.06 a, d, f, g, h, i, j, m, n, 02.07 a, b, c, and e)
- (2) Tier III: 4 Requirements (02.08, 02.09 a, b and 02.11 a)

INSPECTION RESULTS

No findings were identified.

EXIT MEETINGS AND DEBRIEFS

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

- On October 19, 2021, the inspectors presented the security baseline inspection results to James Barstow and other members of the licensee staff.

DOCUMENTS REVIEWED

| Inspection Procedure | Type | Designation | Description or Title | Revision or Date |
|----------------------|---|-------------|---|------------------|
| 71130.05 | Corrective Action Documents | 1727881 | Protective Strategy Details | 10/14/2021 |
| 71130.05 | Corrective Action Documents | 1728142 | Lessons Learned from the WBN Security Tabletop drills | 10/14/2021 |
| 71130.05 | Corrective Action Documents | 1729105 | Checklist Not Used | 10/14/2021 |
| 71130.05 | Corrective Action Documents Resulting from Inspection | 1729098 | Simulated Bridge Phone / Cyber Security | 10/14/2021 |
| 71130.05 | Procedures | | Watts Bar Physical Security Plan | 26 |
| 71130.05 | Procedures | NSDP-27 | Conduct of Security Drills and Exercises/Performance Evaluation Program | 17 |
| 71130.05 | Procedures | NSDP-27.3 | TVA Nuclear Composite Adversary Force | 0 |
| 71130.05 | Procedures | NSDP-7.4 | TVA Nuclear Security Law Enforcement Plan | 0 |