



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

March 31, 2020

Mr. Jim Barstow
Vice President, Nuclear Regulatory
Affairs and Support Services
Tennessee Valley Authority
1101 Market Street, LP-1-A
Chattanooga, TN 37402-2801

SUBJECT: WATTS BAR NUCLEAR PLANT – SECURITY BASELINE INSPECTION
REPORT 05000390/2020410 AND 05000391/2020410

Dear Mr. Barstow:

On February 27, 2020, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Watts Bar Nuclear Plant and discussed the results of this inspection with R. Skaggs 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/

James C. Shehee, Chief
Plant Support Branch
Division of Reactor Safety

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

Enclosure:
Inspection Report

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SUBJECT: WATTS BAR NUCLEAR PLANT – SECURITY BASELINE INSPECTION
 REPORT 05000390/2020410 AND 05000391/2020410 dated March 31, 2020

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| OFFICE | RII/DRS | RII/DRS | RII/DRS | | |
| NAME | J. Wallo | J. Worosilo | J. Shehee | | |
| DATE | 3/ 31 /2020 | 3/ 31 /2020 | 3/ 31 /2020 | | |

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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: 05000390/2020410 and 05000391/2020410

Enterprise Identifier: I-2020-410-0015

Licensee: Tennessee Valley Authority

Facility: Watts Bar Nuclear Plant

Location: Spring City, TN

Inspection Dates: February 24, 2020 to February 27, 2020

Inspectors: J. Wallo, Senior Physical Security Inspector
J. Worosilo, Senior Project Engineer

Approved By: James C. Shehee, 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 Plant, 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

71130.01 - Access Authorization

Access Authorization (1 Sample)

- (1)
- Tier I: All requirements
 - Tier II: All requirements
 - Tier III: All requirements

71130.08 - Fitness For Duty Program

Fitness For Duty Program (1 Sample)

- (1)
- Tier I: All requirements
 - Tier II: All requirements
 - Tier III: All requirements

71130.09 - Security Plan Changes

The inspectors evaluated the security plan changes through completion of the following procedure elements (1) Security Plan Revisions 22 and 23 were implemented based on your determination, in accordance with 10 CFR 50.54(p)(2), that the changes resulted in no decrease in safeguards effectiveness of the security plan, and that the revised security plan continues to meet the requirements of 10 CFR 73.55(b). The inspectors conducted a review of the security plan changes to evaluate for potential decreases in safeguards effectiveness of the security plan. However, this review does not constitute formal NRC approval of the changes. Therefore, these changes remain subject to future NRC inspection in their entirety.

INSPECTION RESULTS

No findings were identified.

EXIT MEETINGS AND DEBRIEFS

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

- On February 27, 2020, the inspectors presented the security baseline inspection results to R. Skaggs and other members of the licensee staff.

DOCUMENTS REVIEWED

| Inspection Procedure | Type | Designation | Description or Title | Revision or Date |
|----------------------|-----------------------------|--|--|------------------|
| 71130.01 | Corrective Action Documents | | Various Condition Reports | |
| | Procedures | | NSDP-23 Plant Access/Badging Process | 19 |
| | | | NSDP-24 Access Authorization Program | 14 |
| | | | NSDP-38 Access Authorization - Reviewing Official | 10 |
| | | | NSDP-43 Adjudication Guidelines | 10 |
| | | | NSDP-51 TVA Nuclear Power Group Access Services Psychological Screening Manual | 1 |
| | | | NPG-SPP-14.5 Access Authorization | 19 |
| Self-Assessments | | Various Access Control Audits and Self-Assessments | | |
| 71130.08 | Corrective Action Documents | | Various Condition Reports | |
| | Procedures | | Fitness-for-Duty and Fatigue Management | 17 |
| | | | NPG-SPP-14.10 Fitness-for-Duty - Drug and Alcohol Testing Requirements | 4 |
| | | | NPG-SPP-14.11 Fitness-For-Duty - Medical Review Officer Procedure | 1 |
| | | | NPG-SPP-14.12 Fitness-for-Duty - Intoxylizers Requirements | 4 |
| | | | NPG-SPP-14.14 Fitness-for-Duty - Training and Field Support for the Fitness-for-Duty Program | 4 |
| | | | NPG-SPP-14.3 Fitness-for-Duty - Administrative Duties | 3 |
| Self-Assessments | | Various Fitness-for-Duty Program Audits and Self-Assessments | | |
| 71130.09 | Procedures | | Watts Bar Nuclear Plant Physical Security Plan and Description of Changes | 22 |
| | | | Watts Bar Nuclear Plant Physical Security Plan and Description of Changes | 23 |