



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

August 31, 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: BROWNS FERRY NUCLEAR PLANT – SECURITY BASELINE INSPECTION
REPORT 05000259/2021401 AND 05000260/2021401 AND 05000296/2021401

Dear Mr. Barstow:

On July 28, 2021, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Browns Ferry Nuclear Plant and 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. 05000259 and 05000260 and 05000296
License Nos. DPR-33 and DPR-52 and DPR-68

Enclosure:
As stated

cc w/ encl: Distribution via LISTSERV

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 Dated August 31, 2021

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OFFICE	RII/DRS	RII/DRS	RII/DRS	RII/DRS	
NAME	J. Tornow	J. Wallo	J. Justice	J. Worosilo	
DATE	8/23/2021	8/23/2021	8/30/2021	8/31/2021	

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

Docket Numbers: 05000259, 05000260 and 05000296

License Numbers: DPR-33, DPR-52 and DPR-68

Report Numbers: 05000259/2021401, 05000260/2021401 and 05000296/2021401

Enterprise Identifier: I-2021-401-0037

Licensee: Tennessee Valley Authority

Facility: Browns Ferry Nuclear Plant

Location: Athens, AL 35611

Inspection Dates: July 19, 2021 to July 28, 2021

Inspectors: J. Justice, Security Specialist
J. Tornow, Physical Security Inspector
J. Wallo, 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 Browns Ferry 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>.

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: 8 Requirements 02.06(a-d), 02.08(a,b,c,e,)
 - Tier III: 1 Requirement 02.10(a)

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)

71130.09 - Security Plan Changes

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

Review Security Plan Changes (IP Section 02.01) (1 Sample)

- (1) Since the last NRC inspection of this program area, Security Plan Revisions 19 and 20 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.

EXIT MEETINGS AND DEBRIEFS

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

- On July 28, 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
71130.02	Corrective Action Documents	1665183		
		1675425		
		1676957		
		1680501		
		1680782		
		1701255		
	Procedures	NSDP-7.6	Personnel Access Control	1
		NSDP-7.7	Vehicle Access Control	3
NSDP-8		Keys and Locks	8	
71130.05	Corrective Action Documents	1699358		
		1699412		
	Procedures	NSDP-27	Conduct of Security Drills and Exercises/Performance Evaluation Program	Rev. 0017
71130.09	Procedures		Browns Ferry Nuclear Plant Physical Security Plan	20
			Browns Ferry Nuclear Plant Physical Security Plan	19
71151	Procedures	NSDP-29	Tracking and Trending and NRC Performance Indicators	Rev. 0009