



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
WASHINGTON, D.C. 20555-0001

June 25, 2025

Ken Peters
Executive Vice President and Chief Nuclear Officer
Vistra Operations Company LLC
6322 N FM 56
P.O. Box 1002
Glen Rose, TX 76043

SUBJECT: BEAVER VALLEY POWER STATION, UNITS 1 & 2 – SECURITY BASELINE
INSPECTION REPORT 05000334/2025420 AND 05000412/2025420

Dear Ken Peters:

On June 12, 2025, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Beaver Valley Power Station, Units 1 & 2 and discussed the results of this inspection with Barry Blair, Site Vice President 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 dark ink, appearing to read "Jeff K. Clark".

Signed by Clark, Jefferson
on 06/25/25

Jefferson K. Clark, Chief
Security Performance Evaluation Branch
Division of Security Operations

Docket Nos. 05000334 and 05000412
License Nos. DPR-66 and NPF-73

Enclosure:
As stated

cc w/ encl: Distribution via LISTSERV®
Barry Blair, Site Vice President
John Sharpless, Manager Nuclear Security

U.S. NUCLEAR REGULATORY COMMISSION
Inspection Report

Docket Numbers: 05000334 and 05000412

License Numbers: DPR-66 and NPF-73

Report Numbers: 05000334/2025420 and 05000412/2025420

Enterprise Identifier: I-2025-420-0014

Licensee: Vistra Operations Company LLC

Facility: Beaver Valley Power Station, Units 1 & 2

Location: Shippingport, Pennsylvania

Inspection Dates: May 19, 2025, to June 13, 2025

Inspectors: D. Bradfield, Team Leader, NSIR
J. Edwards, Physical Security Inspector, RI
S. McCarver, Physical Security Inspector, RI
P. Negrete, Physical Security Inspector, NSIR
C. Roundtree, Team Leader, NSIR
A. Woyansky, Senior Physical Security Inspector, NSIR

Approved By: Jefferson K. Clark, Chief
Security Performance Evaluation Branch
Division of Security Operations

Enclosure

SUMMARY

The U.S. Nuclear Regulatory Commission (NRC) continued monitoring the licensee's performance by conducting a security baseline inspection at Beaver Valley Power Station, Units 1 & 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

None.

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

71130.03 - Contingency Response - Force-On-Force Testing

Contingency Response - Force-On-Force Testing (1 Sample)

- (1) NRC inspectors completed the Contingency Response – Force-on-Force (FOF) Testing inspection procedure by evaluating the licensee's performance in implementing the physical protection program to detect, assess, interdict, and neutralize threats up to, and including, the design basis threat of radiological sabotage. Two NRC-evaluated FOF exercises were conducted for the evaluation.

REPORT ATTACHMENTS

Supplemental Information for the report is considered Safeguards Information and is located separately within the NRC's Safeguards Information Local Area Network and Electronic Safe database (SLES), under NS126196.

INSPECTION RESULTS

No findings were identified.

EXIT MEETINGS AND DEBRIEFS

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

- On June 12, 2025, the inspectors presented the security baseline inspection results to Barry Blair, Site Vice President and other members of the licensee staff.

DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71130.03	Corrective Action Documents Resulting from Inspection	CR-2025-03921	NRC FOF Planning Week: Site Protection Officer remediated for failing to demonstrate use of force proficiency	05/23/2025
		CR-2025-03922	NRC FOF Planning Week: Tactical decision not aligned with expected response during Tabletop Exercise	05/23/2025
		CR-2025-03924	NRC FOF Planning Week: Potential vulnerability identified for a section of the VBS	05/23/2025
		CR-2025-03926	NRC FOF Planning Week: Inconsistent response to medical event during Tabletop exercise	05/23/2025
		CR-2025-04314	NRC FOF Exercise Week: Safety Controllers not assigned to Compensatory Officers for Exercise 1	06/11/2025
		CR-2025-04322	NRC FOF Exercise Week: Officer neutralized during Exercise 1	06/12/2025
		CR-2025-04323	NRC FOF Exercise Week: Unprofessional conduct by Site Protection Officer	06/12/2025
		CR-2025-04324	NRC FOF Exercise Week: Unit 11 staged SAAB rifle incorrectly	06/12/2025
	Drawings	12241-NM(B)-242-IE	Stone & Webster Engineering Corporation Calculation Sheet	Revision 2
		12241-VT-35	Refueling Water Storage Tank	08/24/1981
		Beaver Valley Power Station - Unit 2 J.O. 12241	Demineralized Water Tank	09/04/1986
		Beaver Valley Power Station - Unit 2 J.O. 12241	Bottom and Shell Layout	09/04/1986
		D-77-101	Refueling Water Storage Tank	08/15/1986
		N/A	Beaver Valley Power Station Overhead Drawing	N/A
		N/A	Security Briefing PowerPoint	N/A
		S&W DWG. NO. 12241-RC-30D-7	MISC YARD STRUCTURE SHEET 4	05/16/1978
		S&W DWG. NO. 12241-RC-30K-4	MISC YARD STRUCTURES SH 10	11/15/1981

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
	Procedures	N/A	Beaver Valley Power Station Physical Security Plan	Revision 27
		N/A	Beaver Valley Power Station Protective Strategy Manual	02/22/2022
		N/A	Beaver Valley Power Station, Unit 1 & 2 Target Sets	Revision 9
		SP-16.13	Beaver Valley Power Station Security Communications	Revision 36

Beaver Valley Power Station, Units 1 & 2 - Security Baseline Inspection Report 05000334/2025420 And
05000412/2025420 DATE June 25, 2025

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*** via email**

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DATE	Jun 18, 2025	Jun 24, 2025	Jun 25, 2025	Jun 25, 2025

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