



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**

REGION III  
2443 WARRENVILLE ROAD, SUITE 210  
LISLE, ILLINOIS 60532-4352

May 24, 2022

Mr. David Rhoades  
Senior Vice President  
Constellation Energy Generation, LLC  
President and Chief Nuclear  
Officer (CNO)  
Constellation Nuclear  
4300 Winfield Road  
Warrenville, IL 60555

SUBJECT: CLINTON POWER STATION – SECURITY BASELINE INSPECTION REPORT  
05000461/2022401

Dear Mr. Rhoades:

On April 22, 2022, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Clinton Power Station and discussed the results of this inspection with Ms. Norha Plumey, Plant Manager, 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 black ink, appearing to read "S. Orth", is placed below the word "Sincerely,".

Signed by Orth, Steven  
on 05/24/22

Steven K. Orth, Chief  
Plant Support Branch  
Division of Reactor Safety

Docket No. 05000461  
License No. NPF-62

Enclosure:  
As stated

cc w/ encl: Distribution via LISTSERV®

Letter to David Rhoades from Steven K. Orth dated May 24, 2022.

SUBJECT: CLINTON POWER STATION – SECURITY BASELINE INSPECTION REPORT  
05000461/2022401

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

Docket Number: 05000461

License Number: NPF-62

Report Number: 05000461/2022401

Enterprise Identifier: I-2022-401-0028

Licensee: Constellation Nuclear

Facility: Clinton Power Station

Location: Clinton, IL

Inspection Dates: January 24, 2022 to April 22, 2022

Inspectors: A. Nguyen, Senior Resident Inspector  
M. Ziolkowski, Senior Physical Security Inspector

Approved By: Steven K. Orth, 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 Clinton Power 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**

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**

### 71130.14 - Review of Power Reactor Target Sets

The inspectors evaluated the Security Target Set Program. The following elements were evaluated:

#### Review of Power Reactor Target Sets (1 Sample)

- (1) 02.02 a-d, f; 02.03; 02.04 a-b; 02.05

## **INSPECTION RESULTS**

No findings were identified.

## **EXIT MEETINGS AND DEBRIEFS**

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

- On April 22, 2022, the inspectors presented the security baseline inspection results to Ms. Norha Plumey, Plant Manager, and other members of the licensee staff.

## DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71130.14	Corrective Action Documents Resulting from Inspection	AR 04473787	71130.14 NRC Issue	01/25/2022
	Engineering Evaluations	EC 397852	Flooding Evaluation for Security	0
	Miscellaneous		Corrective Action Document and Supporting Documents Associated with the 2022 Target Set Challenge	02/11/2022
			Target Set Analysis Response	08/15/2019
		CPS-11-005	Security Design Data for Target Sets	0
	Procedures	CPS 4304.01	Flooding	6e
		SY-CL-101-502	Clinton Power Station Security Target Sets	5