



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**

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

December 6, 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 05000461/2022402

Dear Mr. David Rhoades:

On November 30, 2022, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Clinton Power Station and discussed the results of this inspection with Mr. T. Chalmers, 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 black ink, appearing to read "S. Orth".

Signed by Orth, Steven  
on 12/06/22

Steven K. Orth, Chief  
Security Emergency Preparedness  
and Incident Response Branch  
Division of Radiological Safety and Security

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 December 6, 2022.

SUBJECT: CLINTON POWER STATION – SECURITY BASELINE INSPECTION  
REPORT 05000461/2022402

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

Docket Number: 05000461

License Number: NPF-62

Report Number: 05000461/2022402

Enterprise Identifier: I-2022-402-0015

Licensee: Constellation Nuclear

Facility: Clinton Power Station

Location: Clinton, IL

Inspection Dates: October 03, 2022 to November 30, 2022

Inspectors: E. Bonano, Physical Security Inspector  
J. Kutlesa, Emergency Preparedness Inspector

Approved By: Steven K. Orth, Chief  
Security Emergency Preparedness  
and Incident Response Branch  
Division of Radiological Safety and Security

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

### 71130.02 - Access Control

The inspectors evaluated the access control program through completion of the following inspection elements:

#### Access Control (1 Sample)

- (1)
  - Tier I: All
  - Tier II: 02.06 (a-d); 02.07 (a); 02.08 (a,b,e)
  - Tier III: 02.09

### 71130.04 - Equipment Performance, Testing, and Maintenance

The inspectors evaluated the security equipment testing and maintenance program. The following elements were evaluated from this IP:

#### Equipment Performance, Testing, and Maintenance (1 Sample)

- (1)
  - Tier I: All
  - Tier II: All
  - Tier III: 02.15 (a,b)

### 71130.09 - Security Plan Changes

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

#### Security Plan Changes (1 Partial)

- (1) (Partial)  
The opportunity to apply this procedure was not available in accordance with Inspection Manual Chapter 0306. This sample was not available because the licensee did not conduct the activity covered by this IP. Specifically, the licensee

has not initiated a physical security plan (PSP) change in accordance with 10 CFR 50.54(p)(2) since the last performance of this IP and PSP Revision 21 remains current.

## **OTHER ACTIVITIES – BASELINE**

### 71151 - Performance Indicator Verification

The inspectors verified licensee performance indicators submittals listed below:

#### PP01: Protected Area Security Equipment Performance Index Sample (IP Section 02.17) (1 Sample)

(1) October 2019 through October 2022

## **INSPECTION RESULTS**

No findings were identified.

## **EXIT MEETINGS AND DEBRIEFS**

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

- On November 30, 2022, the inspectors presented the security baseline inspection results to Mr. T. Chalmers, Site Vice President and other members of the licensee staff.

## DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
71130.02	Corrective Action Documents Resulting from Inspection	AR 04534357	NRC Observation of Warehouse Enhancement	11/02/2022
	Miscellaneous	AR 04436676	Pre-NRC Security Inspection 71130.02 & 71151	10/03/2022 - 10/07/2022
	Procedures	SY-AA-101-106	Control and Classification of Safeguards Information (SGI) and Sensitive Unclassified Non-Safeguards Information (SUNSI)	22
		SY-AA-101-112	Exelon Security Search Processes	38
		SY-AA-101-112-1004	Protected Area Search Process	5
		SY-AA-101-117	Processing and Escorting of Personnel and Vehicles	34
		SY-AA-101-120	Control of Security Access Control Devices	9
		SY-AA-101-130	Security Responsibilities for Station Personnel	28
		SY-AA-103-514	Site Authorization for Unescorted Access	22
SY-CL-101-119	OCA Warehouse Search Activities	7		
71130.04	Corrective Action Documents Resulting from Inspection	AR 04534639	NRC Observation Regarding Attention to Detail	11/03/2022
	Engineering Changes	EC 636095	CPS Metal Detector Replacement	0
	Miscellaneous	N/A	Security Baseline Inspection UPS Questions	11/22/2022
		SY-AA-150-103-F-01	Record of Semi-Annual Functionality and Accuracy Tests and Maintenance Log (57 Weapons)	01/2021 - 11/2022
	Procedures	SY-AA-101-122	Testing Security Equipment	23
		SY-AA-150-103	Firearms Maintenance, Testing and Accountability	2
SY-CL-101-122		Clinton Site Specific Equipment Testing	13	
71130.09	Miscellaneous	N/A	Clinton Power Station Security Plan	21
71151	Miscellaneous	N/A	IRIS-INPO (NRC PI Database)	10/2019 - 10/2022

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
	Procedures	LS-AA-2001	Collecting and Reporting of NRC ROP Performance Indicator Data	17