



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
REGION I
475 ALLENDALE RD, STE 102
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

March 27, 2023

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

**SUBJECT: PEACH BOTTOM ATOMIC POWER STATION, UNITS 2 AND 3 – SECURITY
BASELINE INSPECTION REPORT 05000277/2023401 AND 05000278/2023401**

Dear David Rhoades:

On March 21, 2023, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at Peach Bottom Atomic Power Station, Units 2 and 3, and discussed the results of this inspection with Dave Henry, 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,

Daniel L. Schroeder, Chief
Security, Emergency Preparedness and Incident
Response Branch
Division of Radiological Safety and Security

Docket Nos. 05000277 and 05000278
License Nos. DPR-44 and DPR-56

Enclosure:
As stated

cc w/ encl: Distribution via LISTSERV

SUBJECT: PEACH BOTTOM ATOMIC POWER STATION, UNITS 2 AND 3 – SECURITY
 BASELINE INSPECTION REPORT 05000277/2023401 AND 05000278/2023401
 DATED MARCH 27, 2023

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DOCUMENT NAME: <https://usnrc.sharepoint.com/teams/RIDRSPSBSEC/Shared Documents/Inspection Reports/2023 IR Final/Peach Bottom/Peach Bottom Sec IR 2023-401.docx>

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

Docket Numbers: 05000277 and 05000278

License Numbers: DPR-44 and DPR-56

Report Numbers: 05000277/2023401 and 05000278/2023401

Enterprise Identifier: I-2023-401-0044

Licensee: Constellation Energy Generation, LLC

Facility: Peach Bottom Atomic Power Station, Units 2 and 3

Location: Delta, PA

Inspection Dates: March 6, 2023 to March 21, 2023

Inspectors: K. Hussar, Senior Physical Security Inspector
M. Ordoyne, Physical Security Inspector

Approved By: Daniel L. Schroeder, 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 Peach Bottom Atomic Power Station, Units 2 and 3, 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

71130.01 - Access Authorization

The inspectors evaluated the access authorization program by completing the following inspection elements:

Access Authorization (1 Sample)

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

71130.08 - Fitness For Duty Program

The inspectors evaluated the fitness for duty program by completing the following inspection elements:

Fitness For Duty Program (1 Sample)

- (1)
 - Tier I: All Requirements
 - Tier II: 26 Requirements 02.05 (a - l), 02.06 (a, b, f, g), 02.07 (a - e), 02.08 (a, b), 02.09(a, d, e)
 - Tier III: 6 Requirements 02.10, 02.11 (a), 02.12 (a), 02.13 (a, c, e), 02.14 (b, c)

INSPECTION RESULTS

No findings were identified.

EXIT MEETINGS AND DEBRIEFS

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

- On March 21, 2023, the inspectors presented the security baseline inspection results to Dave Henry, Site Vice President and other members of the licensee staff.

DOCUMENTS REVIEWED

| Inspection Procedure | Type | Designation | Description or Title | Revision or Date | |
|----------------------|-----------------------------|-------------------|---|---|-------------|
| 71130.01 | Corrective Action Documents | 4549329 | | | |
| | | 4514731 | | | |
| | | 4520592 | | | |
| | | 4525928 | | | |
| | | 4527714 | | | |
| 71130.01 | Procedures | 4534284 | | | |
| | | SY-AA-103-500 | Access Authorization Program | Revision 17 | |
| | | SY-AA-103-507 | Review Criteria for Determining Trustworthiness and Reliability | Revision 9 | |
| | | SY-AA-103-511 | Access Authorization In-Processing/Out-Processing of Personnel | Revision 26 | |
| 71130.01 | Procedures | SY-AA-103-514 | Site Authorization for Unescorted Access | Revision 23 | |
| 71130.08 | Corrective Action Documents | 04505097 | | | |
| | | 04534516 | | | |
| | | 04500755 | | | |
| | | 04500742 | | | |
| | | 04501686 | | | |
| | | 04506223 | | | |
| | 71130.08 | Miscellaneous | | Nantel Generic Fitness-for-Duty and Behavior Observation | June 2021 |
| | 71130.08 | Procedures | | FFD Program Policy Statement | Revision 15 |
| | | | SY-AA-102-220 | Fitness For Duty Events Reporting | Revision 8 |
| | | | SY-AA-102-226 | Test Results and MRO Response | Revision 11 |
| | | | SY-AA-102-230 | Designated Collection Facility | Revision 9 |
| | | | SY-AA-102-240 | Collection of Specimens for Testing in an Exelon Facility | Revision 16 |
| | | | SY-AA-102-252 | Fitness for Duty Training and Qualification Requirements | Revision 5 |
| 71130.08 | Self-Assessments | NOSA-PEA-20-02 | Security Programs Audit Report | | |
| | | NOSA-PEA-21-01 | Security Programs Audit Report | | |
| | | NOSA-PEA-21-01-04 | FFD AA and PADS Audit Report | | |