



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
REGION I
475 ALLENDALE ROAD, SUITE 102
KING OF PRUSSIA, PA 19406-1415

August 31, 2022

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: UPDATED INSPECTION PLAN FOR PEACH BOTTOM ATOMIC POWER
STATION, UNITS 2 AND 3 (REPORT 05000277/2022005 AND
05000278/2022005)

Dear David Rhoades:

The enclosed inspection plan lists the inspections scheduled through June 30, 2024, for Peach Bottom Atomic Power Station, Units 2 and 3. The U.S. Nuclear Regulatory Commission (NRC) provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last twelve months of the inspection plan are tentative and may be revised. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes.

Beginning on January 1, 2023, the engineering inspection frequency will transition from a triennial (3-year) to a quadrennial (4-year) cycle. The new engineering inspection program will consist of a "Comprehensive Engineering Team Inspection (CETI)"¹ and three "Focused Engineering Inspections (FEIs)" that will be performed in each quadrennial cycle. For the cycle beginning in 2023, the FEIs will be: "Fire Protection Team Inspection," "Commercial Grade Dedication," and an engineering inspection that reviews age-related degradation and management².

In response to the COVID-19 public health emergency (PHE), the NRC adjusted inspection plans and schedules in order to safeguard the health and safety of both NRC and licensee staff while still effectively implementing the Reactor Oversight Process (ROP). While the PHE

¹ Aspects of the Design Basis Assurance Inspection (DBAI), Evaluations of Changes, Tests, & Experiments, and Heat Sink inspections will be included in the CETI inspection. Attached Report 22 will reference DBAI procedure until the CETI procedure is made publicly available. Previously scheduled Evaluation of Changes, Tests, & Experiments and Heat Sink inspections have been cancelled and removed from attached Report 22.

² The age-related degradation and management procedure is under development and will be publicly available by the end of calendar year 2022.

continues, overall conditions throughout the country support performance of our inspection and oversight activities to return to normal onsite presence by our resident and region-based inspectors and completion of nominal baseline inspection samples. We continue to monitor site-specific conditions, and it may be necessary to alter how and when we perform our inspection and oversight activities as we balance the importance of protecting the health and safety of our staff with the need to conduct effective oversight that supports the NRC's critical safety mission.³

For inspections requiring extensive coordination with offsite organizations, such as evaluated emergency preparedness exercises, NRC guidance and frequently asked questions for security and emergency preparedness can be found here: <https://www.nrc.gov/about-nrc/covid-19/security-ep/>. Similarly, the NRC has developed guidance if force-on-force inspections cannot be completed as scheduled due to an emergency, such as the COVID-19 PHE. These changes help ensure the health and safety of both NRC and licensee staff while maintaining the NRC's important safety and security mission during the COVID-19 PHE. The attached inspection plan is accurate on the date of issuance but remains subject to change based on approval of potential exemption requests or other changes needed due to changing conditions in the COVID-19 PHE. NRC staff will contact your appropriate regulatory affairs staff in order to coordinate inspection planning and scheduling.

In addition to baseline inspections, the NRC will conduct Inspection Procedure 37060, "10 CFR 50.69 Risk-Informed Categorization and Treatment of Structures, Systems, and Components Inspection," for Units 2 and 3 in January and February 2023.

In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) 2.390 of the NRC's "Rules of Practice," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Please contact me at 610-337-5337 with any questions you have regarding this letter.

Sincerely,

Jonathan E. Greives, Chief
Projects Branch 4
Division of Operating Reactor Safety

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

Enclosure:
Peach Bottom Inspection Plan

cc w/encl: Distribution via ListServ

³This is discussed in our memo, "Implementation of Inspection Programs Following Re-Entry from the Public Health Emergency for the Reactor Safety Program" (ML21295A302), dated November 2, 2021.

SUBJECT: UPDATED INSPECTION PLAN FOR PEACH BOTTOM ATOMIC POWER
STATION, UNITS 2 AND 3 (REPORT 05000277/2022005 AND
05000278/2022005) DATED AUGUST 31, 2022

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DOCUMENT NAME: <https://usnrc.sharepoint.com/teams/ROPAssessmentMeetings/Shared Documents/ROP-23 Second Quarter Process/Branch 4/Peach Bottom ROP-23 Inspection Plan Transmittal Letter.docx>

ADAMS Accession No. ML22242A023

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Site Inspection Activity Plan

Peach Bottom

07/01/2022 - 06/30/2024

Unit	Start	End	Activity	CAC	Title	Staff Count
RETS (71124.06)						1
2,3	7/18/2022	7/22/2022	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
Material Control and Accountability - Peach Bottom Units 2 and 3						1
2,3	9/12/2022	9/16/2022	IP 71130.11	000742	Material Control and Accounting (MC&A)	
Triennial Heat Sink - Peach Bottom Units 2 and 3						1
2,3	9/19/2022	9/23/2022	IP 71111.07T	000700	Heat Exchanger/Sink Performance	
Inservice Inspection - Peach Bottom Unit 2						1
2	10/24/2022	10/28/2022	IP 71111.08G	000701	Inservice Inspection Activities (BWR)	
Rad Hazards (71124.01) and Pls (71151)						1
2,3	10/24/2022	10/28/2022	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
10 CFR 50.69 - Risk Informed SSC Implementation - Peach Bottom						4
2,3	1/23/2023	1/27/2023	IP 37060	000521	10 CFR 50.69 Risk-Informed Categorization and Treatment of Structures, Systems, and Components Inspection	
2,3	2/6/2023	2/10/2023	IP 37060	000521	10 CFR 50.69 Risk-Informed Categorization and Treatment of Structures, Systems, and Components Inspection	
EP PROGRAM INSPECTION - PEACH BOTTOM						1
2,3	2/27/2023	3/3/2023	IP 71114.02	000717	Alert and Notification System Testing	
2,3	2/27/2023	3/3/2023	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
2,3	2/27/2023	3/3/2023	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
2,3	2/27/2023	3/3/2023	IP 71114.05	000720	Maintenance of Emergency Preparedness	
2,3	2/27/2023	3/3/2023	IP 71151	001397	Performance Indicator Verification	
PB Requal Inspection with P/F Results						2
2,3	3/5/2023	3/10/2023	IP 71111.11A	000703	Licensed Operator Requalification Program and Licensed Operator Performance	
2,3	3/5/2023	3/10/2023	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance	
AA, FFD-PB						2
2,3	3/6/2023	3/10/2023	IP 71130.01	000733	Access Authorization	
2,3	3/6/2023	3/10/2023	IP 71130.08	000740	Fitness For Duty Program	
Comprehensive Engineering Team Inspection - Peach Bottom Unit 2 and 3						7
2,3	4/10/2023	4/28/2023	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
HP Instrumentation (71124.05)						1
2,3	5/15/2023	5/19/2023	IP 71124.05	000729	Radiation Monitoring Instrumentation	
FY23 Peach Bottom Initial License Exam						4

Site Inspection Activity Plan

2,3	4/30/2023	5/5/2023	OV	000956	FB-OR-ONSITE VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
2,3	5/28/2023	6/9/2023	EXAD	000500	FB-OR-INITIAL LICENSE EXAM ADMINISTRATION (EXAD)	
ISFSI Loading Inspection (60855) - PB						2
2,3	6/26/2023	6/30/2023	IP 60855	001001	Operation Of An ISFSI	
PI&R Biennial Team Inspection - PB						4
2,3	7/17/2023	7/21/2023	IP 71152B	000747	Problem Identification and Resolution	
2,3	7/31/2023	8/4/2023	IP 71152B	000747	Problem Identification and Resolution	
HP Rad Waste (71124.08)						1
2,3	7/24/2023	7/28/2023	IP 71124.08	000732	Radioactive Solid Waste Processing & Radioactive Material Handling, Storage, & Transportation	
FORCE-ON-FORCE PLANNING AND EXERCISE - PB						4
2,3	7/24/2023	7/28/2023	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
2,3	8/14/2023	8/18/2023	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
HP REMF (71124.07)						1
2,3	9/18/2023	9/22/2023	IP 71124.07	000731	Radiological Environmental Monitoring Program	
Inservice Inspection - PB 3R24						1
3	10/23/2023	10/27/2023	IP 71111.08G	000701	Inservice Inspection Activities (BWR)	
HP Rad Hazards (71124.01) and Pls (71151)						1
2,3	10/30/2023	11/3/2023	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
Access Control, Equipment, Sec Trng, Sec Plan Review, PI, ISFSI-PB						3
2,3	12/11/2023	12/15/2023	IP 71130.02	000734	Access Control	
2,3	12/11/2023	12/15/2023	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
2,3	12/11/2023	12/15/2023	IP 71130.07	000739	Security Training	
2,3	12/11/2023	12/15/2023	IP 71130.09	001656	Security Plan Changes	
2,3	12/11/2023	12/15/2023	IP 71151	001338	Performance Indicator Verification	
2,3	12/11/2023	12/15/2023	IP 81311	000831	Physical Security Requirements for Independent Spent Fuel Storage Installations	
Cyber Security - Peach Bottom						4
2,3	2/5/2024	2/9/2024	IP 71130.10	000741	Cybersecurity	
FY24 Peach Bottom Initial License Examination						5
2,3	3/25/2024	3/29/2024	OV	000956	FB-OR-ONSITE VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
2,3	4/22/2024	4/26/2024	EXAD	000500	FB-OR-INITIAL LICENSE EXAM ADMINISTRATION (EXAD)	
RP – 71124.03 Airborne, 71124.04 Dose Assessment						1
2,3	4/8/2024	4/12/2024	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
2,3	4/8/2024	4/12/2024	IP 71124.04	000728	Occupational Dose Assessment	
EP Exercise Inspection - Peach Bottom						5
2,3	4/15/2024	4/19/2024	IP 71114.01	000716	Exercise Evaluation	

Site Inspection Activity Plan

2,3	4/15/2024	4/19/2024	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes
2,3	4/15/2024	4/19/2024	IP 71151	001397	Performance Indicator Verification

Access Control, Equipment Testing and Maintenance, Training, SPR**3**

2,3	5/13/2024	5/17/2024	IP 71130.02	000734	Access Control
2,3	5/13/2024	5/17/2024	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance
2,3	5/13/2024	5/17/2024	IP 71130.07	000739	Security Training
2,3	5/13/2024	5/17/2024	IP 71130.09	001656	Security Plan Changes
2,3	5/13/2024	5/17/2024	IP 71151	001338	Performance Indicator Verification