



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

August 29, 2024

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 05000277/2024005 AND
05000278/2024005)

Dear David Rhoades:

The enclosed inspection plan lists the inspections scheduled through June 30, 2026, for Peach Bottom Atomic Power Station, Units 2 and 3. The 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 12 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.

This letter and its enclosure 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."

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

Sincerely,

Jonathan E. Grieves, 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

SUBJECT: UPDATED INSPECTION PLAN FOR PEACH BOTTOM ATOMIC POWER STATION, UNITS 2 AND 3 (REPORT 05000277/2024005 AND 05000278/2024005) DATED AUGUST 29, 2024

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 RidsNrrPMPeachBottom Resource
 RidsNrrDorlLpl1 Resource
 DORS Specialist Branch Chiefs
 DRSS Reactor Branch Chiefs
 DTiftt, RI, SLO
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 NSheehan, RI, PAO
 ROPassessment Resource

DOCUMENT NAME: <https://usnrc.sharepoint.com/teams/ROPAssessmentMeetings/Shared Documents/ROP-25 Second Quarter Process/Branch 4/ROP-25 Peach Bottom Inspection Plan Transmittal Letter.docx>
 ADAMS Accession No. ML24240A220

<input checked="" type="checkbox"/> SUNSI Review		<input checked="" type="checkbox"/> Non-Sensitive <input type="checkbox"/> Sensitive		<input checked="" type="checkbox"/> Publicly Available <input type="checkbox"/> Non-Publicly Available	
OFFICE	RI/DORS	RI/DORS			
NAME	JSchussler	JGreives			
DATE	8/27/24	8/27/24			

OFFICIAL RECORD COPY

Site Inspection Activity Plan

Peach Bottom

07/01/2024 - 06/30/2026

Unit	Start	End	Activity	CAC	Title	Staff Count
Fire Protection - Peach Bottom						3
2,3	7/22/2024	7/26/2024	IP 71111.21N.05	001646	Fire Protection Team Inspection (FPTI)	
2,3	8/5/2024	8/9/2024	IP 71111.21N.05	001646	Fire Protection Team Inspection (FPTI)	
Access Control, Equipment Testing and Maintenance, Training, SPR						3
2,3	9/23/2024	9/27/2024	IP 71130.02	000734	Access Control	
2,3	9/23/2024	9/27/2024	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
2,3	9/23/2024	9/27/2024	IP 71130.07	000739	Security Training	
2,3	9/23/2024	9/27/2024	IP 71130.09	001656	Security Plan Changes	
2,3	9/23/2024	9/27/2024	IP 71151	001338	Performance Indicator Verification	
RP - 71124.01 Rad Haz and 71151 PI Verification						1
2	10/21/2024	10/25/2024	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
2	10/21/2024	10/25/2024	IP 71151	000746	Performance Indicator Verification	
Inservice Inspection - Peach Bottom Unit 2						1
2	10/28/2024	11/1/2024	IP 71111.08G	000701	Inservice Inspection Activities (BWR)	
Material Control and Accounting - Peach Bottom						1
2,3	2/3/2025	2/7/2025	IP 71130.11	000742	Material Control and Accounting (MC&A)	
EP Program Inspection - Peach Bottom						2
2,3	2/24/2025	2/28/2025	IP 71114.02	000717	Alert and Notification System Testing	
2,3	2/24/2025	2/28/2025	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
2,3	2/24/2025	2/28/2025	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
2,3	2/24/2025	2/28/2025	IP 71114.05	000720	Maintenance of Emergency Preparedness	
2,3	2/24/2025	2/28/2025	IP 71151	001397	Performance Indicator Verification	
PB Requal Inspection with P/F Results						1
2,3	3/24/2025	3/28/2025	IP 71111.11A	000703	Licensed Operator Requalification Program and Licensed Operator Performance	
2,3	3/24/2025	3/28/2025	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance	
RP - 71124.06 RETS						1
2,3	4/7/2025	4/11/2025	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
Commercial Grade Dedication - Peach Bottom						3
2,3	4/21/2025	4/25/2025	IP 71111.21N.03	001808	Commercial Grade Dedication	
2,3	5/5/2025	5/9/2025	IP 71111.21N.03	001808	Commercial Grade Dedication	
RP - 71124.05 Rad. Instruments						1
2,3	5/5/2025	5/9/2025	IP 71124.05	000729	Radiation Monitoring Instrumentation	

Site Inspection Activity Plan

Access Control, Protective Strategy, TSR, SPR, PIs - PB						4
2,3	5/19/2025	5/23/2025	IP 71130.02	000734	Access Control	
2,3	5/19/2025	5/23/2025	IP 71130.05	000737	Protective Strategy Evaluation	
2,3	5/19/2025	5/23/2025	IP 71130.09	001656	Security Plan Changes	
2,3	5/19/2025	5/23/2025	IP 71130.14	000743	Review of Power Reactor Target Sets	
2,3	5/19/2025	5/23/2025	IP 71151	001338	Performance Indicator Verification	
PI&R Biennial Team Inspection - Peach Bottom						4
2,3	9/8/2025	9/12/2025	IP 71152B	000747	Problem Identification and Resolution	
2,3	9/22/2025	9/26/2025	IP 71152B	000747	Problem Identification and Resolution	
RP - 71124.08 Rad Waste and Part 37						1
2,3	9/15/2025	9/19/2025	IP 71124.08	000732	Radioactive Solid Waste Processing & Radioactive Material Handling, Storage, & Transportation	
Inservice Inspection - Peach Bottom Unit 3						1
3	10/27/2025	10/31/2025	IP 71111.08G	000701	Inservice Inspection Activities (BWR)	
RP - 71124.01 Rad. Hazards						1
3	10/27/2025	10/31/2025	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
Access Control, AA, FFD, Sec Plan Review, PI, ISFSI - PB						3
2,3	1/5/2026	1/9/2026	IP 71130.01	000733	Access Authorization	
2,3	1/5/2026	1/9/2026	IP 71130.02	000734	Access Control	
2,3	1/5/2026	1/9/2026	IP 71130.08	000740	Fitness-For-Duty Program	
2,3	1/5/2026	1/9/2026	IP 71130.09	001656	Security Plan Changes	
2,3	1/5/2026	1/9/2026	IP 71151	001338	Performance Indicator Verification	
2,3	1/5/2026	1/9/2026	IP 81311	000831	Physical Security Requirements for Independent Spent Fuel Storage Installations	
2,3	2/23/2026	2/27/2026	IP 71130.01	000733	Access Authorization	
2,3	2/23/2026	2/27/2026	IP 71130.08	000740	Fitness-For-Duty Program	
Age Related Degradation - Peach Bottom						3
2,3	1/26/2026	1/30/2026	IP 71111.21N.04	001832	Age-Related Degradation	
2,3	2/9/2026	2/13/2026	IP 71111.21N.04	001832	Age-Related Degradation	
Cyber Security - Peach Bottom						2
2,3	3/16/2026	3/20/2026	IP 71130.10	000741	Cybersecurity	
RP - 71124.03 Resp. Protection and 71124.04 Occupational Dose						1
2,3	4/20/2026	4/24/2026	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
2,3	4/20/2026	4/24/2026	IP 71124.04	000728	Occupational Dose Assessment	
EP Exercise Inspection - Peach Bottom						5
2,3	4/27/2026	5/1/2026	IP 71114.01	000716	Exercise Evaluation	
2,3	4/27/2026	5/1/2026	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	

Site Inspection Activity Plan

2,3 4/27/2026 5/1/2026 IP 71151 001397 Performance Indicator Verification

2026 Peach Bottom Initial Operator Licensing Exam

4

2,3 4/13/2026 4/17/2026 OV 000956 FB-OR-Onsite Validation Of Initial License Examination (OV)

2,3 5/11/2026 5/15/2026 EXAD 000500 FB-OR-Initial License Exam Administration (EXAD)

FORCE-ON-FORCE PLANNING AND EXERCISE WEEKS - PB

4

2,3 5/11/2026 5/15/2026 IP 71130.03 000735 Contingency Response - Force-On-Force Testing

2,3 6/1/2026 6/5/2026 IP 71130.03 000735 Contingency Response - Force-On-Force Testing
