



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

August 31, 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: UPDATED INSPECTION PLAN FOR PEACH BOTTOM ATOMIC POWER
STATION, UNITS 2 AND 3 (REPORT 05000277/2023005 AND
05000278/2023005)

Dear David Rhoades:

The enclosed inspection plan lists the inspections scheduled through June 30, 2025, 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.

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 Website at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Please contact me at (610) 337-6916 with any questions you have regarding this letter.

Sincerely,

Sarah H. Elkhiamy, Acting Chief
Projects Branch 4
Division of Operating Reactor Safety

Docket Nos. 50-277 and 50-278
License Nos. DPR-44 and DPR-56

Enclosure:
Peach Bottom Inspection Plan

cc: Distribution via ListServ

SUBJECT: UPDATED INSPECTION PLAN FOR PEACH BOTTOM ATOMIC POWER
STATION, UNITS 2 AND 3 (REPORT 05000277/2023005 AND
05000278/2023005) DATED AUGUST 31, 2023

DISTRIBUTION:

RLorson, RA (R1ORAMAIL RESOURCE)
DCollins, DRA (R1ORAMAIL RESOURCE)
BWellington, DORS (R1DORSMAIL RESOURCE)
RMckinley DORS (R1DORSMAIL RESOURCE)
PKrohn, DRSS (R1DRSSMAIL RESOURCE)
JQuichocho, DRSS (R1DRSSMAIL RESOURCE)
AZiedonis, DORS
SElkhiamy, DORS
NWarnek, DORS
SRutenkroger, DORS, SRI
CDukehart, DORS, RI
SSchmitt, DORS, AA
JJosey, RI OEDO
RidsNrrPMPeachBottom Resource
RidsNrrDorlLpl1 Resource
DORS Specialist Branch Chiefs
DRSS Reactor Branch Chiefs
DTifft, RI, SLO
DScrenci, RI, PAO
NSheehan, RI, PAO
RidsNrrDrolrib Resource

DOCUMENT NAME <https://usnrc.sharepoint.com/teams/ROPAAssessmentMeetings/Shared Documents/ROP-24 Second Quarter Process/Branch 4/Peach ROP-24 Region I Inspection Plan Transmittal Letter .docx>
ADAMS Accession No. ML23242A115

☒ SUNSI Review		☒ Non-Sensitive ☐ Sensitive		☒ Publicly Available ☐ Non-Publicly Available	
OFFICE	RI/DORS	RI/DORS			
NAME	N Warnek	S Elkhiamy			
DATE	8/28/23	8/28/23			

OFFICIAL RECORD COPY

Site Inspection Activity Plan

Peach Bottom

07/01/2023 - 06/30/2025

Unit	Start	End	Activity	CAC	Title	Staff Count
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	
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 REMP (71124.07)						1
2,3	9/18/2023	9/22/2023	IP 71124.07	000731	Radiological Environmental Monitoring Program	
Inservice Inspection - PB						1
3	10/23/2023	10/27/2023	IP 71111.08G	000701	Inservice Inspection Activities (BWR)	
HP Rad Hazards (71124.01) and PIs (71151)						1
2,3	10/30/2023	11/3/2023	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
2,3	10/30/2023	11/3/2023	IP 71151	000746	Performance Indicator Verification	
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 71114.04	000719	Emergency Action Level and Emergency Plan Changes	

Site Inspection Activity Plan

2,3	4/15/2024	4/19/2024	IP 71114.07	000722	Exercise Evaluation - Hostile Action (HA) Event
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

Fire Protection - Peach Bottom

3

2,3	7/15/2024	7/19/2024	IP 71111.21N.05	001646	Fire Protection Team Inspection (FPTI)
2,3	7/29/2024	8/2/2024	IP 71111.21N.05	001646	Fire Protection Team Inspection (FPTI)

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

PI&R Biennial Team Inspection - Peach Bottom

4

2,3	3/10/2025	3/14/2025	IP 71152B	000747	Problem Identification and Resolution
2,3	3/24/2025	3/28/2025	IP 71152B	000747	Problem Identification and Resolution

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	4/14/2025	4/18/2025	IP 71111.21N.03	001808	Commercial Grade Dedication
2,3	4/28/2025	5/2/2025	IP 71111.21N.03	001808	Commercial Grade Dedication

Site Inspection Activity Plan

RP - 71124.05 Rad. Instruments						1
2,3	5/5/2025	5/9/2025	IP 71124.05	000729	Radiation Monitoring Instrumentation	
2025 Peach Bottom Initial Operator Licensing Exam						4
2,3	4/14/2025	4/18/2025	OV	000956	FB-OR-ONSITE VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
2,3	5/19/2025	5/23/2025	EXAD	000500	FB-OR-INITIAL LICENSE EXAM ADMINISTRATION (EXAD)	
Access Control, Protective Strategy, TSR, SPR, Pls - 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	