



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
2100 RENAISSANCE BOULEVARD, SUITE 100
KING OF PRUSSIA, PA 19406-2713

September 1, 2021

Mr. David P. Rhoades
Senior Vice President
Exelon Generation Company, LLC
President and Chief Nuclear Officer
Exelon Nuclear
4300 Winfield Road
Warrenville, IL 60555

SUBJECT: UPDATED INSPECTION PLAN FOR THE PEACH BOTTOM ATOMIC POWER STATION, UNITS 2 AND 3 (REPORT 05000277/2021005 AND 05000278/2021005)

Dear Mr. Rhoades:

The enclosed inspection plan lists the inspections scheduled through June 30, 2023, 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.

In response to the COVID-19 public health emergency (PHE), the NRC is adjusting 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). Each planned inspection is being carefully reviewed in order to determine if any portions of the inspection can be performed remotely, determine how best to perform on-site portions to minimize personnel health risks, and adjust inspection schedules if needed. This is done in accordance with guidance contained in the February 1, 2021 memo, "Calendar Year 2021 Inspection Guidance During COVID-19 Telework Restrictions" (ML21027A274). 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.

The NRC will also be performing baseline inspections of licensee cyber security programs. The specific schedule and procedure to be used for these inspections is being developed by the NRC staff. The staff expects to communicate the schedule for these inspections to each utility separately.

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®

SUBJECT: UPDATED INSPECTION PLAN FOR THE PEACH BOTTOM ATOMIC POWER STATION, UNITS 2 AND 3 (REPORT 05000277/2021005 AND 05000278/2021005) DATED SEPTEMBER 1, 2021

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DOCUMENT NAME: <https://usnrc.sharepoint.com/teams/ROPAssessmentMeetings/Shared Documents/ROP-22 Second Quarter Process/Branch 4/Peach Bottom ROP-22 Inspection Plan Transmittal Letter.docx>

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IP 22b Site Inspection Activity Plan

Peach Bottom

07/01/2021 - 06/30/2023

Unit	Start	End	Activity	CAC	Title	Staff Count
Annual PIR Sample: 2B RHR MOV Anti-rotation Key Failure						1
2	7/19/2021	7/23/2021	IP 71152	000748	Problem Identification and Resolution	
Radwaste (71124.08)						1
2, 3	7/26/2021	7/30/2021	IP 71124.08	000732	Radioactive Solid Waste Processing & Radioactive Material Handling, Storage, & Transportation	
PI&R BIENNIAL - PB						4
2, 3	7/26/2021	7/30/2021	IP 71152B	000747	Problem Identification and Resolution	
2, 3	8/2/2021	8/6/2021	IP 71152B	000747	Problem Identification and Resolution	
2, 3	8/9/2021	8/13/2021	IP 71152B	000747	Problem Identification and Resolution	
HP Instrumentation (71124.05)						1
2, 3	9/13/2021	9/17/2021	IP 71124.05	000729	Radiation Monitoring Instrumentation	
INSERVICE INSPECTION - UNIT 3						1
3	10/31/2021	11/6/2021	IP 71111.08G	000701	Inservice Inspection Activities (BWR)	
Rad Hazards (71124.01) and PIs (71151)						1
2, 3	11/1/2021	11/5/2021	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
2, 3	11/1/2021	11/5/2021	IP 71151	000746	Performance Indicator Verification	
ALARA (71124.02)						1
2, 3	11/29/2021	12/3/2021	IP 71124.02	000726	Occupational ALARA Planning and Controls	
Design Basis Assurance Inspection - Power Operated Valves - Peach Bottom Units 2 and 3						3
2, 3	3/21/2022	4/8/2022	IP 71111.21N.02	001645	Design-Basis Capability of Power-Operated Valves Under 10 CFR 50.55a Requirements	
Resp Protection & Dose Assessment (71124.03/71124.04)						1
2, 3	4/18/2022	4/22/2022	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
2, 3	4/18/2022	4/22/2022	IP 71124.04	000728	Occupational Dose Assessment	
EP EXERCISE INSPECTION - PEACH BOTTOM						4
2, 3	4/25/2022	4/29/2022	IP 71114.07	000722	Exercise Evaluation - Hostile Action (HA) Event	
2, 3	4/25/2022	4/29/2022	IP 71151	001397	Performance Indicator Verification	
Access Control, Protective Strat, TSR, SPR, PI-PB						4
2, 3	5/16/2022	5/20/2022	IP 71130.02	000734	Access Control	
2, 3	5/16/2022	5/20/2022	IP 71130.05	000737	Protective Strategy Evaluation	
2, 3	5/16/2022	5/20/2022	IP 71130.09	001656	Security Plan Changes	
2, 3	5/16/2022	5/20/2022	IP 71130.14	000743	Review of Power Reactor Target Sets	
2, 3	5/16/2022	5/20/2022	IP 71151	001338	Performance Indicator Verification	
FY22 Peach Bottom Initial License Examination						4

IP 22b Site Inspection Activity Plan

2, 3	4/24/2022	4/29/2022	OV	000956	FB-OR-ONSITE VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
2, 3	5/22/2022	5/27/2022	EXAD	000500	FB-OR-INITIAL LICENSE EXAM ADMINISTRATION (EXAD)	
50.59 Inspection - Peach Bottom Units 2 and 3						3
2, 3	6/13/2022	6/17/2022	IP 71111.17T	000709	Evaluations of Changes, Tests, and Experiments	
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	8/22/2022	8/26/2022	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 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 PIs (71151)						1
2, 3	10/24/2022	10/28/2022	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
2, 3	10/24/2022	10/28/2022	IP 71151	000746	Performance Indicator Verification	
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	
Design Basis Assurance Inspection Teams - Peach Bottom						6
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
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)	