



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

August 28, 2019

Mr. Bryan C. Hanson
Senior Vice President, Exelon Generation Company, LLC
President and Chief Nuclear Officer, Exelon Nuclear
4300 Winfield Road
Warrenville, IL 60555

SUBJECT: PEACH BOTTOM ATOMIC POWER STATION, UNITS 2 AND 3 – UPDATED
INSPECTION PLAN (INSPECTION REPORTS 05000277/2019005 AND
05000278/2019005)

Dear Mr. Hanson:

The enclosed inspection plan lists the inspections scheduled through June 30, 2021, 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 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.

NRC Region I plans to conduct inspections per Temporary Instruction 2515/194, "Inspection of the Licensees' Implementation of Industry Initiative Associated with the Open Phase Condition Design Vulnerabilities in Electric Power Systems," and Inspection Procedure 81311, "Physical Security Requirements for Independent Spent Fuel Storage Installations," at your facility during the period.

You should be aware that the agency is pursuing potential changes to the Reactor Oversight Process, including changes to engineering inspections (SECY-18-0113, "Recommendations for Modifying the Reactor Oversight Process Engineering Inspections"), and other changes to the baseline inspection program described in SECY-19-0067, "Recommendations for Enhancing the Reactor Oversight Process." Should these changes to the Reactor Oversight Process be implemented, the engineering and other region-based inspections are subject to change in scope, as well as schedule, beginning in January 2020.

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,

/RA/

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

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

Enclosure:
Inspection Plan

cc: Distribution via ListServ

SUBJECT: PEACH BOTTOM ATOMIC POWER STATION, UNITS 2 AND 3 – UPDATED
INSPECTION PLAN (INSPECTION REPORTS 05000277/2019005 AND
05000278/2019005) DATED AUGUST 28, 2019

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OFFICE	RI/DRP	RI/DRP			
NAME	LCasey	JGreives			
DATE	8/21/19	8/21/19			

OFFICIAL RECORD COPY

IP 22 Inspection Activity Plan Report

Peach Bottom

07/01/2019 - 06/30/2021

Unit	Start	End	Activity	CAC	Title	Staff Count
Peach Bottom 95001- Follow-up on Corrective Actions for E3 EDG Failure						2
2, 3	04/17/2019	07/02/2019	IP 71153	000749	Followup of Events and Notices of Enforcement Discretion	
2, 3	04/17/2019	07/02/2019	IP 95001	000938	Supplemental Inspection for One or Two White Inputs in a Strategic Performance Area	
PI&R BIENNIAL						4
2, 3	06/24/2019	07/12/2019	IP 71152B	000747	Problem Identification and Resolution	
PI&R (Security)						4
2, 3	06/24/2019	07/12/2019	IP 71152B	001339	Problem Identification and Resolution	
Radwaste						1
2, 3	07/29/2019	08/02/2019	IP 71124.08	000732	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
Material Control and Accountability						1
2, 3	08/19/2019	08/23/2019	IP 71130.11	000742	Material Control and Accounting (MC&A)	
50.59 Process						3
2, 3	09/22/2019	09/28/2019	IP 71111.17T	000709	Evaluations of Changes, Tests, and Experiments	
INSERVICE INSPECTION - UNIT 3						1
3	10/27/2019	11/02/2019	IP 71111.08G	000701	Inservice Inspection Activities (BWR)	
RAD HAZARD, ALARA, AIR ACT CNTRL Mod 01						1
2, 3	10/28/2019	11/01/2019	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
RAD SAFETY Mods 01, PI (OR01, PR01)						1
2, 3	12/02/2019	12/06/2019	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
Access Authorization and Fitness for Duty						2
2, 3	01/06/2020	01/10/2020	IP 71130.01	000733	Access Authorization	
2, 3	01/06/2020	01/10/2020	IP 71130.08	000740	Fitness For Duty Program	
2, 3	02/03/2020	02/07/2020	IP 71130.01	000733	Access Authorization	
2, 3	02/03/2020	02/07/2020	IP 71130.02	000734	Access Control	
2, 3	02/03/2020	02/07/2020	IP 71130.08	000740	Fitness For Duty Program	
2, 3	02/03/2020	02/07/2020	IP 71151	001338	Performance Indicator Verification	
2, 3	02/03/2020	02/07/2020	IP 81311	000831	Physical Security Requirements for Independent Spent Fuel Storage Installations	

This report does not include INPO and OUTAGE activities.

This report shows only on-site and announced inspection procedures.

IP 22 Inspection Activity Plan Report

Peach Bottom

07/01/2019 - 06/30/2021

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TI-194 Open Phase Condition Inspection-PB						2
2, 3	03/16/2020	03/20/2020	TI 2515/194	000512	Inspection of the Licensee's Implementation of Industry Initiative Associated With the Open Phase Condition Design Vulnerabilities In Electric Power Systems (NRC Bulletin 2012-01)	
RAD MONITORING INSTRUMENT Mod 05						1
2, 3	03/23/2020	03/27/2020	IP 71124.05	000729	Radiation Monitoring Instrumentation	
FY2020 Peach Bottom Initial Exam						3
2, 3	04/19/2020	04/25/2020	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
2, 3	05/24/2020	06/06/2020	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
PEACH BOTTOM EP EXERCISE INSPECTION						5
2, 3	04/20/2020	04/24/2020	IP 71114.01	000716	Exercise Evaluation	
2, 3	04/20/2020	04/24/2020	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
2, 3	04/20/2020	04/24/2020	IP 71151	001397	Performance Indicator Verification	
AIR ACTIVITY CNTRL, OCC DOSE ASSESS; Mod 03, 04						1
2, 3	04/27/2020	05/01/2020	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
2, 3	04/27/2020	05/01/2020	IP 71124.04	000728	Occupational Dose Assessment	
Design Basis Assurance Inspection - Team						4
2, 3	07/13/2020	07/19/2020	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
2, 3	07/27/2020	08/02/2020	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
FORCE-ON-FORCE PLANNING AND EXERCISE WEEKS						6
2, 3	07/27/2020	07/31/2020	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
2, 3	08/17/2020	08/21/2020	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
REMP Mod 07						1
2, 3	09/21/2020	09/25/2020	IP 71124.07	000731	Radiological Environmental Monitoring Program	
ISI - UNIT 2						1
2	10/26/2020	10/30/2020	IP 71111.08G	000701	Inservice Inspection Activities (BWR)	
RAD HAZARD, ALARA, AIR ACT CNTRL Mods 01, 02, 03						1
2, 3	10/26/2020	10/30/2020	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	

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Peach Bottom

07/01/2019 - 06/30/2021

Unit	Start	End	Activity	CAC	Title	Staff Count
RAD HAZARD, ALARA, AIR ACT CNTRL Mods 01, 02, 03						1
2, 3	10/26/2020	10/30/2020	IP 71124.02	000726	Occupational ALARA Planning and Controls	
2, 3	10/26/2020	10/30/2020	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
RAD HAZARD, ALARA, AIR ACT CNTRL Mods 01, 02, 03, PI						1
2, 3	12/07/2020	12/11/2020	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
2, 3	12/07/2020	12/11/2020	IP 71124.02	000726	Occupational ALARA Planning and Controls	
2, 3	12/07/2020	12/11/2020	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
PB Requal Inspection with P/F Results						2
2	03/08/2021	03/12/2021	IP 71111.11A	000703	Licensed Operator Requalification Program and Licensed Operator Performance	
2	03/08/2021	03/12/2021	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance	
TRIENNIAL FIRE PROTECTION						3
2, 3	03/15/2021	03/19/2021	IP 71111.05T	000696	Fire Protection	
2, 3	03/29/2021	04/02/2021	IP 71111.05T	000696	Fire Protection	
Access Control, Equipment Testing and Maintenance, Training						3
2, 3	04/05/2021	04/09/2021	IP 71130.02	000734	Access Control	
2, 3	04/05/2021	04/09/2021	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
2, 3	04/05/2021	04/09/2021	IP 71130.07	000739	Security Training	
2, 3	04/05/2021	04/09/2021	IP 71151	001338	Performance Indicator Verification	
RAD EFFLUENTS Mod 06						1
2, 3	04/12/2021	04/16/2021	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
FY2021 Peach Bottom Initial Examination						5
2, 3	05/02/2021	05/08/2021	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
2, 3	05/30/2021	06/05/2021	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	